HUBBELL

120 YEARS
HUBBELL
INNOVATION

Wiring Device-Kellems

INDUSTRIAL

COMMERCIAL

RESIDENTIAL

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HUBBELL
Wiring Device-Kellems

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INDUSTRIAL

COMMERCIAL

HUBBELL

Our customers don't do their jobs half way, so neither do we.

Drawing on well over a century of commitment to innovation and quality, Hubbell Wiring Device-Kellems has enhanced our

product offering to provide a breadth of solutions for the industrial, commercial and residential markets. Not only do we offer the broadest product offering for today's markets, but at Hubbell, we understand what our distributors, contractors and specifying customers need. Distributors strive to stock the products customers need most. Contractors aspire to save labor while simultaneously ensuring quality on every job. Specifying engineers look for new products and innovation to improve designs.

So whether it's industrial, commercial or residential, we've got you covered. Whether it's devices, delivery systems or data communications we've got you covered. Whether it's long-standing reliable performers or advantage-building innovation, we've got you covered.

And because Hubbell never does our job half way, we ensure that distributors get product, sales, and training support with the flexibility to meet all the needs of their customer base. Contractors get guaranteed quality, safety, and ease of installation on every job. Specifiers get innovation and revolutionary products to improve efficiency and productivity for every application.

With a history of setting industry standards for quality and safety, Hubbell also ensures that our products meet the latest standards and requirements. For example, in response to the 2008 National Electric Code requiring tamper resistant receptacles for all dwellings units, Hubbell now offers a broader line of tamper and weather resistant devices to meet every application. In fact,

Hubbell played a key role in initiating the proposal that lead to this new code requirement.

The industrial leader continues to innovate

The innovations that power industrial locations throughout the world have always been and continue to be conceived,

created and improved by Hubbell engineers. In fact, we helped create the very ways power is delivered and controlled in industrial applications. And we're committed to continually developing products that

improve the performance, safety and functionality of industry throughout the world.

The only complete commercial line with devices and delivery systems

Nobody delivers commercial solutions like Hubbell. Only Hubbell customers can count on a single source of innovative, safety-engineered devices, delivery systems and voice/data/video products that are all designed to be compatible with each other. With new metal raceway, practical innovations like Hubbell SystemOne floor boxes and fire-rated poke-throughs, and the latest audio/video and data components, we don't just talk about commercial solutions, we deliver them.

II HUBBELL Wiring Device-Kellems www.hubbell-wiring.com

We've Got You Covered
Complete solutions for your market.

Redefining power, voice and data for the residential marketplace

When is the last time someone brought real innovation to residential products? Hubbell did in 2007 when we introduced an entirely new line of residential products with a new level of performance, functionality and aesthetics for the home. Whether it's for maximum convenience, essential energy savings, or the latest Internet and entertainment technologies, we now deliver innovative residential solutions like multi-function under-cabinet

modules and wall outlets. Add in higher quality for all of our plugs, covers and devices, and you have residential redefined.

Always there to help our customers compete

Hubbell Wiring Device-Kellems customers are never on their own. With Hubbell, our customers get a dedicated, long-term partner that helps them choose the best products to meet specifications, grow their business and maintain an advantage over the competition. We provide online gateways to

service, support, ordering, tracking and product information. We provide in-person or online training for our customers and

their employees. Hubbell's redesigned web site is more user-friendly and intuitive than ever so customers quickly and easily find the product, application and specification information they need. We understand that our customers need more than the best products to compete – they also need the best service and support. That's why we've got you covered on all fronts.

Environmentally conscience for a better world

All around the globe, there is a powerful shift towards "green" thinking, made evident by the continuous grassroots movements and more stringent legislation. As a leader in the industry, Hubbell recognizes our role and responsibility in protecting people and safeguarding the environment. From product development and packaging to internal and external operations, Hubbell is doing their part. Our occupancy sensors maximize energy

conservation and may contribute to LEED certification. Hubbell SystemOne components are configurable for multiple use and easily redeployed to reduce waste. We're striving to make the majority of our products RoHS compliant. In all our facilities, we're moving towards more environmentally friendly and renewable resources, we're using more recycled packing materials, and we're aspiring for more paperless and energy-efficient operations. To ensure a better world for generations to come, Hubbell is committed to participating in "green" initiatives and continuing to develop quality products that monitor, manage and save energy.

Add it all up, and nobody delivers like Hubbell Wiring Device–Kellems

Products. People. Solutions. That's what's behind what we do every day. Hubbell has invested to build you the most complete product offering anywhere. And we're committed to continue our industry-leading dedication to innovation – both in better products, better ways to do business, and a better world. Because our customers deserve nothing less.

How to Use this Catalog

This catalog has been revised and updated to include the most current information on the complete line of Hubbell Wiring Device-Kellems products. Selecting the right product is simple. Everything you need—including description, catalog number, dimensions (including metric), and specifications are in the listing.

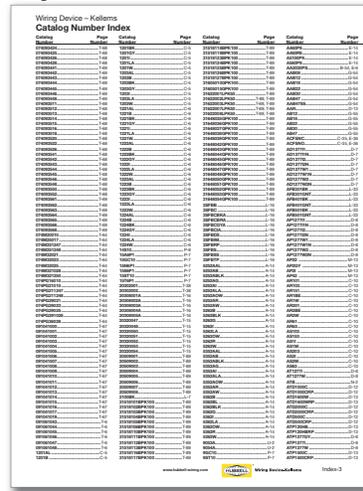## Three easy ways to find what you need quickly

Table of Contents

Each product section is color-coded to guide you to the exact information you want. Each section describes a specific product group category. Bullets offer a brief product overview for that section.

Section Index

Quickly turn to the section you need with the help of the color-coded pages. The first page of each section provides a detailed index of products. General descriptions are bold and sub-categories with rating and/or type information help to speed the selection process.
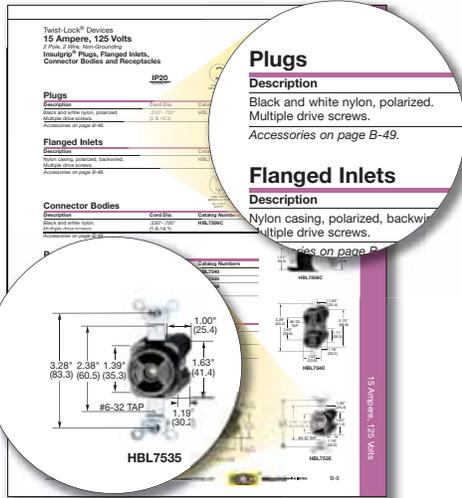
Alphanumeric Index

The alphanumeric index at the back of the catalog allows you to easily locate specific catalog numbers and the pages on which they appear.

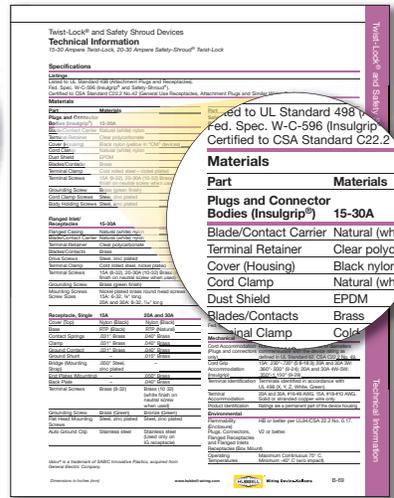## Catalog Pages

Feature Pages

Feature pages are located throughout the catalog sections. These pages offer detailed photos or illustrations and highlight the benefits of each featured product.
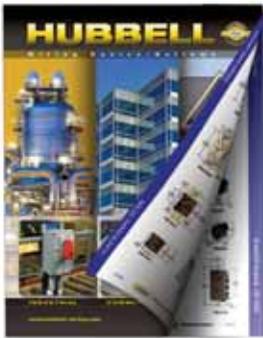
Product Information

These pages provide valuable product details such as photos, ratings, dimensions, NEMA configurations, and catalog numbers, as well as important ordering information.

Technical Information

Technical information pertaining to each product group is located at the back of each section and is listed in the index. In addition, Section X's General Technical Information provides useful information on industry standards.

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com

Hubbell Wiring Device-Kellems Virtual Catalog

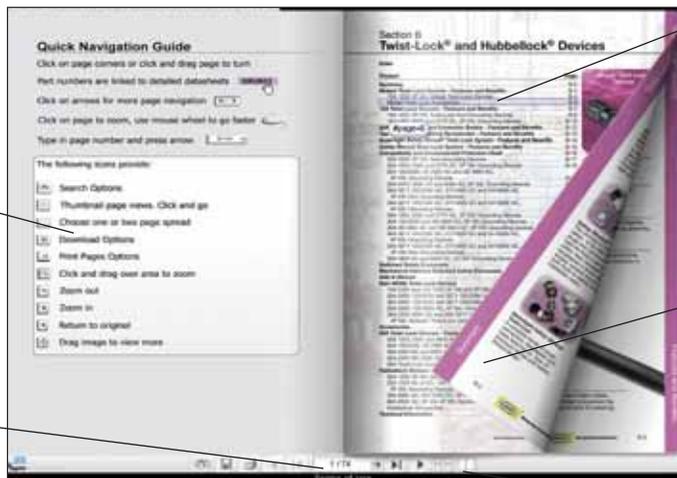## How to get the most functionality from Hubbell's newest online tool.

Users can click on the table of contents to quickly jump to specific catalog pages. For those that prefer to browse, pages can be easily flipped just like a paper catalog with a simple click of the mouse. Our virtual catalog also offers full-text searching capabilities, and clicking on any part number takes you directly to product data sheets or corresponding e-catalog pages on the Hubbell website.

Navigation

Several user-friendly options make navigating the catalog easy:

Quick navigation guide in the beginning of each section offers an overview of the virtual catalog functionality.

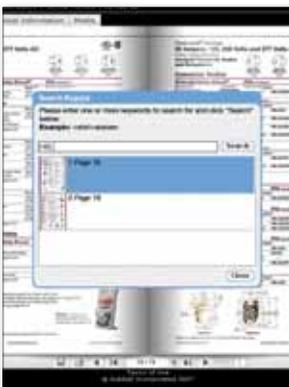Use the navigation bar located at the bottom of the page.

Click anywhere on the section index to go directly to that product page.

Flip pages as you would a paper catalog by clicking on any corner and dragging your cursor across the page.

The interface is intuitive and the page index offers quick access to any of the pages within the booklet, including a thumbnail preview of all pages.
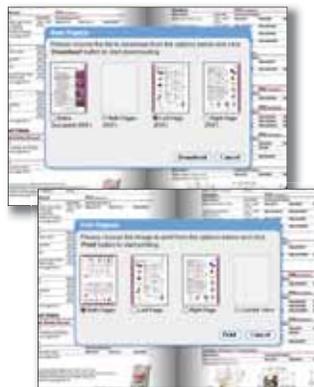
Functionality

Search Capabilities

Full-text search functions make it simple to find what you're looking for.

PDF and Print Capabilities

Download either the entire catalog or just the left or right pages as a PDF for offline reference. Print only what you need.

Zoom Capabilities

These online PDF catalogs allow examining of product detail by zooming and panning pages—click anywhere on a page to get a closer look.

Link to Product Data Sheets

Catalog sections may additionally contain hyperlinks on the pages referring directly to the corresponding product data sheets in our e-catalog.

Table of Contents – Sections Overview

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com

Hubbell Wiring Device-Kellems
General Information

Industrial and Commercial Wiring Devices & Systems
Residential Products
Kellems Wire Management Products
Marine Products

MEMBER NEMA Setting Standards for Excellence	**NAED ASSOCIATE**	**RoHS**	**U.S. GREEN BUILDING COUNCIL MEMBER**	**ISO 9001 : 2001 QMI REGISTERED**
National Electrical Manufacturers Association	***National Association of Electrical Distributors***	***Restriction of Hazardous Substances***	***U.S. Green Building Council Member***	***International Organization for Standardization***
NEMA promotes the competitiveness of its member companies by providing a forum for the development of technical standards that are in the best interests of the industry and the users of its products.	Since 1908, NAED has served as the trade association for the electrical distribution industry. To be an NAED associate member, your company must be a manufacturer or value-added reseller.	The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".	Hubbell is a US Green Building Council (USGBC) member dedicated to advancing buildings that are environmentally responsible in the way they are designed, built and operated.	ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.

Precautions have been taken to assure accuracy of the information in this catalog. Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. Hubbell reserves the right to make product changes from time to time, without prior notification, which may change the dimensions shown. We, therefore, recommend they be checked before using for customer projects or product development and specification.

The designs and dimensions of the products listed in this catalog, were correct at the date of publication and are subject to change without notice.

All configuration diagrams shown in the various sections of the catalog are female devices (receptacles, connector bodies, etc.) unless otherwise indicated.

No material will be accepted for return unless permission is granted in writing by this Company. All orders received for special items and engraved plates are accepted as firm orders and are non-cancelable by the customer.

Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

The following trademarks of Hubbell Incorporated, are your assurance of the highest quality wiring devices and wiring management products in the Industry.

- 2CLICK™
- 4-PLEX®
- Acceptor®
- AccessTrak®
- ADD-A-SHROUD™
- AUTOGUARD™
- BaseTrak®
- CableTrak®
- Chem Marine®
- CircuitGuard®
- Circuit-Lock®
- Dua-Pull®
- Elastogrip®
- Ergo®
- FloorTrak®
- Gotcha®

- HBL®
- HI-IMPACT™
- H-MOSS®
- HomeGuard™
- homeSELECT™
- Hubbell®
- Hubbell Guard®
- Hubbell Handi-Screw®
- Hubbell Juniors®
- Hubbellock®
- Hubbellnet™
- Insulgrip®
- Insulgrip Twist-Lock®
- iSTATION™
- JACK-PACK®

- JLOAD™
- Kellems®
- LANTrak®
- LINKOSITY®
- Micro-Quick®
- Mini-Quick®
- MotorQuick®
- Nano-Quick®
- netSELECT™
- OptiChannel™
- OPTISOK™
- PANEL-SAFE™
- PLUG-CHECK™
- PLUGOUT®
- PlugTrak®
- Portable PlugTrak®

- PolyTrak®
- PolyTuff®
- PremiseTrak®
- PresSwitch®
- QUADCAB®
- RACO®
- RE-BOX®
- Safety-Shroud®
- ScrubShield™
- Seal-Tite®
- Secure-IT™
- SignalPlex™
- Signal-Quick™
- SNAPConnect™
- Speakon®
- Spider®

- SpikeShield®
- Style Line®
- Super BaseTrak®
- Super Twist-Lock®
- SWITCHOUT®
- SwivelLok®
- TredTrak®
- TrukTrak®
- Twist-Lock®
- Valise®
- Variload®
- VARI-SIZE®
- WallTrak®
- Xcelerator®

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HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

HBL® Extra Heavy Duty
Industrial Series

WR

SNAP*Connect*™
Receptacles

Commercial Specification
Grade

TR
WR

Insulgrip® Plugs and
Connectors

Index

Straight Blade Devices
Hospital Grade

Straight Blade Devices
Hospital Grade Duplex Receptacles
Features and Benefits

One-piece nickel-plated brass integral ground strap for greater corrosion resistance.

Barbed assembly arms reduce possibility of face/base separation.

Unique bypass contact design results in greater contact force and reduced heat buildup.

Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion.

I.D. marking surface provides quick, sure circuit identification.

Patented ground contact provides redundant grounding.

Back wired ground terminal allows faster, easier installation.

RTP base offers greater heat resistance plus contact stability.

External bundling terminals contain wire strands and are designed for quick inspection.

Deep body design increases impact and chemical resistance.

HBL8200GY

Hubbell "Hospital Grade" Devices
To qualify for the "Hospital Grade" designation and use of the associated green dot symbol, UL requires that the manufacturer design its devices to perform to specific levels. These levels form an established baseline below which no manufacturer can fall and still carry a green dot.

Hubbell sets their standards high. Each product is built to withstand the severe conditions of abuse that are unique to the hospital environment. Hubbell receptacles have exclusive design features that set them apart from the competition.

• Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature.

• Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas.

• High tech reinforced thermoplastic polyester (RTP) back is tough and heat resistant.

Because of these features and others, the benefit is performance, reliability, and value for any health care facility.

One piece, nickel plated brass mounting strap with integral ground contacts, along with secondary ground contact, provides superior grounding for low resistance flow of fault currents as well as corrosion resistance. Barbed locking arms keep the face locked in place to diminish potential for face/base separation. Back wired ground screw reduces installation time.

Reinforced thermoplastic back provides superior thermal, electrical and mechanical properties. By providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance.

Exclusive bypass contacts are made of nickel-plated brass alloy. This design increases blade retention forces, insuring a reliable uninterrupted flow of power.

External wiring clamps allow for visual inspection of the terminals. A unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination.

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Hospital Grade – HBL® Extra Heavy Duty Duplex, Illuminated Face Duplex, Tamper-Resistant Duplex and Isolated Ground Duplex Receptacles

IP20
SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

1.63"
(41.4)
3.28"
(83.3)
2.72"
(69.0)
.97"
(24.6)
HBL8200GY

1.63"
(41.9)
3.28"
(83.3)
2.75"
(69.8)
1.04"
(26.4)
HBL8300SGA

1.33"
(33.8)
3.28"
(83.3)
2.72"
(69.0)
.80"
(20.3)
HBL8200ILW

1.36"
(34.5)
3.28"
(83.3)
2.75"
(69.9)
.80"
(20.3)
HBL2172

Hospital Grade ● Receptacles

HBL® Extra Heavy Duty, Duplex

Description	Color	Catalog Numbers	
Flush, thermoplastic polyester face, back and side wired, multiple drive screws.	Brown	**HBL8200**	**HBL8300**
	Gray	**HBL8200GY**	**HBL8300GY**
	Ivory	**HBL8200I**	**HBL8300I**
	Light Almond	**HBL8200LA**	**HBL8300LA**
	Red	**HBL8200R**	**HBL8300R**
	White	**HBL8200W**	**HBL8300W**
Flush, illuminated face, back and side wired, multiple drive screws.	Gray	**HBL8200ILGY**	**HBL8300ILGY**
	Ivory	**HBL8200ILI**	**HBL8300ILI**
	Red	**HBL8200ILR**	**HBL8300ILR**
	White	**HBL8200ILW**	**HBL8300ILW**
Tamper-resistant receptacle with wire leads.	Brown	**HBL8200SGA**	**HBL8300SGA**
	Gray	**HBL8200SGGYA**	**HBL8300SGGYA**
	Ivory	**HBL8200SGIA**	**HBL8300SGIA**
	Light Almond	**HBL8200SGLA**	**HBL8300SGLA**
	Red	**HBL8200SGRA**	**HBL8300SGRA**
	White	**HBL8200SGWA**	**HBL8300SGWA**
Isolated ground.[1]	Orange	**IG8200**	**IG8300**
	Red	**IG8200R**	**IG8300R**

Slender/Compact, Duplex

Description	Color	Catalog Numbers	
Flush, thermoplastic polyester face, back, and side wired, multiple drive screws, Fed. Spec. verified.	Brown	**HBL8200H**	**HBL8300H**
	Gray	**HBL8200HG**	**HBL8300HG**
	Ivory	**HBL8200HI**	**HBL8300HI**
	Light Almond	**HBL8200HLA**	**HBL8300HLA**
	Red	**HBL8200HR**	**HBL8300HR**
	White	**HBL8200HW**	**HBL8300HW**

Style Line® Decorator, Duplex*

Description	Color	Catalog Numbers	
Flush, nylon face, back and side wired.	Brown	**HBL2172**	**HBL2182**
	Gray	**HBL2172GY**	**HBL2182GY**
	Ivory	**HBL2172I**	**HBL2182I**
	Office White	**–**	**HBL2182OW**
	Red	**HBL2172R**	**HBL2182R**
	White	**HBL2172WA**	**HBL2182WA**
Isolated ground.[1]	Ivory	**–**	**IG2182I**
	Orange	**–**	**IG2182**
	White	**–**	**IG2182WA**

Notes: (1) See Section J for complete line of isolated ground devices.
*Style Line duplex devices are not Fed. Spec. Listed.
See page A-44 for accessories.
See Section K for wallplates.
See page A-15 for NEC® Tamper and Weather Resistant Code Requirements.
See Section I for complete Hospital Grade products.

HUBBELL®
Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Hospital Grade – SNAP*Connect*™, Single and 4-PLEX® Receptacles

IP20 SUITABILITY

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL Listed 1 HP

Hubbell-Pro Series
Hospital Grade ● SNAP*Connect*™

Duplex

Description	Color	Catalog Numbers	
Hospital grade, flush, nylon face modular receptacle which requires pigtailed terminal below.	Almond	SNAP8200AL	SNAP8300AL
	Black	SNAP8200BK	SNAP8300BK
	Brown	SNAP8200	SNAP8300
	Gray	SNAP8200GY	SNAP8300GY
	Ivory	SNAP8200I	SNAP8300I
	Light Almond	SNAP8200LA	SNAP8300LA
	Office White	SNAP8200OW	SNAP8300OW
	Red	SNAP8200R	SNAP8300R
	White	SNAP8200W	SNAP8300W

Pigtailed Terminal

Description	Catalog Numbers
Clear terminal with 6-inch leads solid wire.	SNAP6R1
Clear terminal with 6-inch leads stranded wire.	SNAP6R2

Notes: See page A-44 for accessories.
See Section K for wallplates.
See page A-53 for technical information.

1.56" (39.7)
3.28" (83.3)
2.62" (66.5)
.86" (21.9)
SNAP8200I

SNAP6R2

IP20 SUITABILITY

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL Listed 1 HP

Hospital Grade ● Receptacles

HBL® Extra Heavy Duty, Single

Description	Color	Catalog Numbers	
Flush, nylon face, back and side wired Fed. Spec. verified.	Almond	–	HBL8310AL
	Brown	HBL8210	HBL8310
	Gray	HBL8210GY	HBL8310GY
	Ivory	HBL8210I	HBL8310I
	Red	HBL8210R	HBL8310R
	White	HBL8210W	HBL8310W
Panel mount on 1.94 in. (49.2) centers.	Brown	HBL8284	–
	Ivory	HBL8284I	HBL8384I
Isolated ground.[1]	Orange	IG8210	IG8310

Note: (1) See Section J for complete line of isolated ground devices.

1.63" (41.4)
3.28" (83.3)
1.94" (49.3)
.94" (23.9)
HBL8210

.92" (23.4)
.1" (2.5)
4.30" sq. (109.2)
3.02" (76.7)
3.38" (85.9)
HBL415HI

4-PLEX®

Description	Color	Catalog Numbers	
4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box.	Brown	HBL415H	HBL420H
	Gray	–	HBL420HGY
	Ivory	HBL415HI	HBL420HI
	Red	HBL415HR	HBL420HR
	White	HBL415HW	HBL420HW
4-PLEX adapter plates for 1- and 2-gang, device boxes.	Brown	HBL4AP	HBL4AP
	Gray	HBL4APGY	HBL4APGY
	Ivory	HBL4API	HBL4API
	Red	HBL4APR	HBL4APR
	White	HBL4APW	HBL4APW

Notes: See pages A-20 and A-21 for more information on 4-PLEX devices.
4-PLEX devices are not Fed. Spec. Listed.

.38" (9.7)
4.78" (121.4)
3.28" (83.3)
.19" (4.8)
2.75" (69.9)
1.75" (44.5)
3.38" sq. (85.9)
HBL4API

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Hospital Grade – Plugs and Connector Bodies

1.97"
(50.0)

1.53"
(38.9)

HBL8215C

1.53 "
(38.9)

2.11"
(53.6)

1.22"
(30.9)

HBL8215CAT

IP20
SUITABILITY

G
W
15A 125V
NEMA 5-15P
UL CSA

G
W
20A 125V
NEMA 5-20P
UL CSA

Hospital Grade ● Plugs

Insulgrip®

Description	Cord Diameter	Catalog Numbers	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8215C**	**HBL8315C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8215CT**	**HBL8315CT**
8 position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	**HBL8215CAT***	**HBL8315CAT***

Valise®

Description	Cord Diameter	Catalog Numbers	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8115V**	**HBL8364V**
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	**HBL8013V***	**–**

*Notes: *Not Fed. Spec. Listed.*
See page A-45 for accessories.

1.88"
(47.75)

1.25"
(31.8)

1.13"
(28.7)

HBL8115V

2.78"
(70.6)

1.53"
(38.9)

1.40"
(35.6)

HBL8219C

IP20
SUITABILITY

G
W
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

G
W
20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● Connector Bodies

Insulgrip®

Description	Cord Diameter	Catalog Numbers	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8219C**	**HBL8319C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8219CT**	**HBL8319CT**

Note: See page A-45 for accessories.

2.78"
(70.6)

1.53"
(38.9)

1.40"
(35.6)

HBL8219CT

Valise®

Description	Cord Diameter	Catalog Numbers	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8119V**	**–**

2.63"
(66.8)

1.25"
(31.8)

1.13"
(28.7)

HBL8119V

Straight Blade Devices
15 and 20 Ampere, 250 Volts
2 Pole, 3 Wire Grounding
**Hospital Grade – Heavy Duty, Specification Grade Plugs,
Receptacles and Connector Bodies**

IP20
SUITABILITY

15A 250V
NEMA 6-15P
UL CSA
1.5 HP

20A 250V
NEMA 6-20P
UL CSA
2 HP

Hospital Grade ● Plugs

Valise®

Description	Cord Diameter	Catalog Numbers	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	**HBL8666V**	**HBL8464V**

Note: HP ratings listed above are based on 208 to 240V AC only.

1.88" (47.75)
1.25" (31.8)
1.13" (28.7)
HBL8666V

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Receptacles

HBL® Extra Heavy Duty, Duplex

Description	Color	Catalog Numbers	
Flush, thermoplastic polyester face, back and side wired, multiple drive screws.	Brown	**HBL8600**	**HBL8400**
	Ivory	**HBL8600I**	**HBL8400I**

*Notes: See page A-44 for accessories.
          See Section K for wallplates.*

1.63" (41.4)
3.28" (83.3)
2.72" (69.0)
.97" (24.6)
HBL8600I

Hospital Grade ● Connector Bodies

Valise®

Description	Cord Diameter	Catalog Numbers	
White nylon.	.300"-.660" (7.6-16.8)	–	**HBL8469V**

2.63" (66.8)
1.25" (31.8)
1.13" (28.7)
HBL8469V

Straight Blade Devices
Straight Blade Receptacles
Including Weather Resistant

Straight Blade Devices
HBL® Extra Heavy Duty Industrial Series
Features and Benefits

One-piece brass integral ground strap for low resistance of fault currents.

Ground retention clips for longer, more consistent contact pressure.

Exclusive bypass contact design results in greater contact force and reduced heat buildup.

Square head, 10-thread brass center rivet won't rotate, reduces stripping and resists corrosion.

I.D. marking surface provides quick, sure circuit identification.

Barbed assembly arms reduce possibility of face/base separation.

Back wired ground terminal allows faster, easier installation.

RTP base offers greater heat resistance, plus contact stability.

External bundling terminals contain wire strands and are designed for quick inspection.

Deep nylon body design delivers increased impact resistance.

HBL5262

Quality in Design

Hubbell's commitment to quality continually reinforces a philosophy of unrivaled performance. No Hubbell device exemplifies this philosophy more than the HBL5262. While all Hubbell receptacles are designed and manufactured to withstand even the harshest environments, none match the total performance of the HBL5262. Whether in a factory, office building, school, hotel or shopping center, the Hubbell HBL5262 is the receptacle of choice when people are depending on the safety and reliability of a receptacle.

One piece, all brass, mounting strap with integral ground contacts. The safest, most reliable design for a low resistance flow of fault currents. Oversized "bell" shaped ground contacts, along with nickel plated steel retaining shields, help minimize damage to the grounding system during abrupt pullout. Barbed brass locking arms keep the faced locked in place to diminish potential for face/base separation. Back wired ground terminal reduces installation time and increases convenience.

The patented "bypass" contact design incorporates high-conductivity materials with superior spring characteristics for increased contact force and secure connections. Improved contact performance reduces heat buildup and ensures a reliable, uninterrupted flow of power.

Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties. By providing contact stability this high tech material will reduce heat buildup, giving you long lasting performance.

External wiring clamps feature large head brass screws (#10) for superior torque values. Visible brass terminal screws and clamps, with a unique strand containment feature, ensure 100% clamping of wire strands, reducing heat buildup.

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
HBL® Extra Heavy Duty, Specification Grade, Weather Resistant, Single and Special Purpose Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

Receptacles

HBL5262

HBL® Extra Heavy Duty, Specification Grade, Duplex

Description	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws.	Black	HBL5262BK	HBL5362BK
	Blue	–	HBL5362BL
	Brown	HBL5262	HBL5362
	Gray	HBL5262GY	HBL5362GY
	Ivory	HBL5262I	HBL5362I
	Red	HBL5262R	HBL5362R
	White	HBL5262W	HBL5362W
Isolated ground.[1]	Gray	IG5262GY	IG5362GY
	Ivory	IG5262I	IG5362I
	Orange	IG5262	IG5362
	Red	IG5262R	IG5362R
	White	–	IG5362W
Non-isolated ground, bulk pack of 100.	Orange	–	HBL5362M4
Weather resistant, flush, nylon face, back and side wired, multiple drive screws.	Black	HBL5262BKWR	HBL5362BKWR
	Brown	HBL5262WR	HBL5362WR
	Gray	HBL5262GYWR	HBL5362GYWR
	Ivory	HBL5262IWR	HBL5362IWR
	Red	HBL5262RWR	HBL5362RWR
	White	HBL5262WWR	HBL5362WWR
Corrosion resistant.	Ivory	HBL52CM62I	–
	Yellow	HBL52CM62	HBL53CM62
Weather resistant, Isolated ground.[1]	Gray	IG5262GYWR	IG5362GYWR
	Ivory	IG5262IWR	IG5362IWR
	Orange	IG5262WR	IG5362WR
	Red	IG5262RWR	IG5362RWR
	White	–	IG5362WWR
On 4 in. (101.6) round cover.	Brown	HBL5282	–

HBL5362IWR

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

HBL® Extra Heavy Duty, Specification Grade, Single

Description	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws.	Black	HBL5261BK	HBL5361BK
	Brown	HBL5261	HBL5361
	Gray	–	HBL5361GRY
	Ivory	HBL5261I	HBL5361I
	White	–	HBL5361W
Isolated ground.[1]	Orange	IG5261	IG5361
Weather resistant, Isolated ground.[1]	Orange	IG5261WR	IG5361WR
Ring terminal connection.	Brown	HBL5261RT	HBL5361RT
	White	HBL5261WRT	–
	Yellow	HBL5261YRT	–
Weather resistant, flush, nylon face, back and side wired, multiple drive screws.	Brown	HBL5261WR	HBL5361WR
	Gray	HBL5261GYWR	HBL5361GYWR
	Ivory	HBL5261IWR	HBL5361IWR
Corrosion resistant.	Yellow	HBL52CM61	HBL53CM61
Panel mount on 1.94 in. (49.3) centers.	Brown	HBL5284	HBL5357

HBL5261

HBL5284

Notes: See page A-44 for accessories.
See Section K for wallplates.
(1) See Section J for complete line of isolated ground devices.
See page A-15 for NEC® Tamper and Weather Resistant Code Requirements.

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
HBL® Extra Heavy Duty Compact and Style Line® Decorator Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

Fed.Spec.

Receptacles

HBL® Extra Heavy Duty Compact, Back and Side Wired, Duplex

Description	Color	Catalog Numbers	
Flush, nylon face, back and side wired.	Black	**HBL5252BK**	**HBL5352BK**
	Blue	–	**HBL5352BL**
	Brown	**HBL5252**	**HBL5352**
	Gray	**HBL5252GY**	**HBL5352GY**
	Ivory	**HBL5252I**	**HBL5352I**
	Red	**HBL5252R**	**HBL5352R**
	White	**HBL5252W**	**HBL5352W**
On a 4 in. (101.6) round cover.	Brown	**HBL5253**	–

1.33"
(33.8)

3.28"
(83.3)

2.73"
(69.3)

.80"
(20.3)

HBL5252

HBL® Extra Heavy Duty Compact, Side Wired Only, Duplex

Description	Color	Catalog Numbers	
Flush, nylon face, side wired only.	Brown	**HBL5242**	**HBL5342**
	Gray	**HBL5242GY**	**HBL5342GY**
	Ivory	**HBL5242I**	**HBL5342I**
	White	**HBL5242W**	**HBL5342W**
Ring terminal connection.	Brown	**HBL5242RT**	**HBL5342RT**

1.33"
(33.8)

3.28"
(83.3)

2.73"
(69.3)

.80"
(20.3)

HBL5242

Heavy Duty, Single

Description	Color	Catalog Numbers	
Flush, side wired only.	Brown	**HBL5251**	–
	Ivory	**HBL5251I**	–
Panel mount 1.75 in. (44.5) centers.	Brown	**HBL5258**	**HBL5358**
	Ivory	**HBL5258I**	–

3.28"
(83.3)

1.39"
(35.3)

.92"
(23.3)

HBL5251

Heavy Duty Style Line® Decorator*

Description	Color	Catalog Numbers	
Flush, nylon face, back and side wired.	Almond	**HBL2152AL**	**HBL2162AL**
	Black	**HBL2152BK**	**HBL2162BK**
	Brown	**HBL2152**	**HBL2162**
	Gray	**HBL2152GY**	**HBL2162GY**
	Ivory	**HBL2152I**	**HBL2162I**
	Office White	**HBL2152OW**	**HBL2162OW**
	White	**HBL2152WA**	**HBL2162WA**
Isolated ground.[1]	Gray	–	**IG2162GY**
	Orange	**IG2152**	**IG2162**

1.75"
(44.5)

1.39"
(35.3)

1.47"
(37.3)

#8-32
TAP

1.13"
(28.7)

HBL5258

Notes: See page A-44 for accessories.
See Section K for wallplates.
(1) See Section J for complete line of isolated ground devices.
*Style Line Duplex devices are not Fed. Spec. Listed.

1.36"
(34.5)

3.28"
(83.3)

2.75"
(69.9)

.80"
(20.3)

HBL2152

Straight Blade Devices

HBL® Extra Heavy Duty Compact and Style Line® Decorator Receptacles

Straight Blade Devices
Hubbell-Pro Series SNAP*Connect*™ Receptacles
Features and Benefits

NEW

Installation ease.

• Self-grounding clip.

Audible SNAP, indicates solid connection.

• Secure, easy grip latch.

Inspection of power contacts.

• Clear terminal housing.
• No exposed metal.

Requires minimal box space.

• Compact size.
• Clean finished look.

SNAP*Connect*™ Time Savings

Hubbell's new SNAP*Connect* receptacles make installation fast, easy and consistent so you can complete projects sooner—*saving more than three minutes per device.*

• Consistent installation every time.

• Compact in wallbox.

• Meet deadlines.
 – No stripping
 – No looping
 – No terminals
 – No tape

Rough-in the SNAP*Connect* terminal instead of pigtails.
Save One Minute!

Remove protective packaging. Snap the duplex to the circuit.
Save Over Three Minutes!

Tighten mounting screws, attach wallplate and trim out complete.
Less Than One Minute!

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Hubbell-Pro Series SNAP*Connect*™ Receptacles

NEW

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

Receptacles

Hubbell-Pro Series Heavy Duty SNAP*Connect*™ Duplex

Description	Color	Catalog Numbers	
Specification grade, flush, nylon face, modular receptacle which requires pigtailed terminal below.	Almond	SNAP5262AL	SNAP5362AL
	Black	SNAP5262BK	SNAP5362BK
	Brown	SNAP5262	SNAP5362
	Gray	SNAP5262GY	SNAP5362GY
	Ivory	SNAP5262I	SNAP5362I
	Light Almond	SNAP5262LA	SNAP5362LA
	Office White	SNAP5262OW	SNAP5362OW
	Red	SNAP5262R	SNAP5362R
	White	SNAP5262W	SNAP5362W
Hospital grade, flush, nylon face modular receptacle which requires pigtailed terminal below.	Almond	SNAP8200AL	SNAP8300AL
	Black	SNAP8200BK	SNAP8300BK
	Brown	SNAP8200	SNAP8300
	Gray	SNAP8200GY	SNAP8300GY
	Ivory	SNAP8200I	SNAP8300I
	Light Almond	SNAP8200LA	SNAP8300LA
	Office White	SNAP8200OW	SNAP8300OW
	Red	SNAP8200R	SNAP8300R
	White	SNAP8200W	SNAP8300W

1.56" (39.7) / 3.28" (83.3) / 2.62" (66.5) / .86" (21.9)
SNAP5362I

1.56" (39.7) / 3.28" (83.3) / 2.62" (66.5) / .86" (21.9)
SNAP8200I

Straight Pigtailed Terminal

Description	Catalog Numbers
Clear terminal with 6-inch leads solid wire.	SNAP6R1
Clear terminal with 6-inch leads stranded wire.	SNAP6R2

Note: See page A-53 for technical information.
See page A-44 for accessories.

Available late 2008

SNAP6R2

Hubbell-Pro Series Heavy Duty SNAP*Connect*™ Style Line® Decorator*

Description	Color	Catalog Numbers	
Specification grade, flush, nylon face, modular receptacle which requires pigtailed terminal.	Almond	SNAP2152AL	SNAP2162AL
	Black	SNAP2152BK	SNAP2162BK
	Brown	SNAP2152	SNAP2162
	Gray	SNAP2152GY	SNAP2162GY
	Ivory	SNAP2152I	SNAP2162I
	Light Almond	SNAP2152LA	SNAP2162LA
	Red	SNAP2152R	SNAP2162R
	White	SNAP2152W	SNAP2162W
Hospital grade, flush, nylon face modular receptacle which requires pigtailed terminal.	Almond	SNAP2172AL	SNAP2182AL
	Black	SNAP2172BK	SNAP2182BK
	Brown	SNAP2172	SNAP2182
	Gray	SNAP2172GY	SNAP2182GY
	Ivory	SNAP2172I	SNAP2182I
	Light Almond	SNAP2172LA	SNAP2182LA
	Red	SNAP2172R	SNAP2182R
	White	SNAP2172W	SNAP2182W

SNAP2162I

Right Angle Pigtailed Terminal*

Description	Catalog Numbers
Clear terminal with 6-inch leads solid wire.	SNAP1R
Clear terminal with 6-inch leads stranded wire.	SNAP2R

*Note: *Available late 2008. Hubbell is continuing to expand the SNAPConnect line—check our website for updates.*

SNAP1R

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Hubbell-Pro Series Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

5262

1.41"
(35.8)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

5362IWR

1.41"
(35.8)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

CR5252IG

1.32"
(33.78)

3.28"
(83.3)

2.73"
(69.3)

.80"
(20.32)

1.05"
(26.67)

Receptacles

Hubbell-Pro Heavy Duty, Specification Grade, Duplex, Back and Side Wired

Description	Color	Catalog Numbers	
Finder groove nylon face.	Almond	**5262AL**	**5362AL**
	Black	**5262BLK**	**5362BLK**
	Blue	**–**	**5362BL**
	Brown	**5262B**	**5362B**
	Gray	**5262G**	**5362G**
	Ivory	**5262I**	**5362I**
	Light Almond	**5262LA**	**5362LA**
	Office White	**5262OW**	**5362OW**
	Red	**5262R**	**5362R**
	White	**5262W**	**5362W**
Weather resistant, finder groove nylon face.	Black	**5262BKWR**	**5362BKWR**
	Brown	**5262WR**	**5362WR**
	Gray	**5262GYWR**	**5362GYWR**
	Ivory	**5262IWR**	**5362IWR**
	White	**5262WWR**	**5362WWR**
Smooth nylon face.	Almond	**5252AAL**	**5352AAL**
	Black	**5252ABLK**	**5352ABLK**
	Brown	**5252AB**	**5352AB**
	Gray	**5252AG**	**5352AG**
	Ivory	**5252AI**	**5352AI**
	Light Almond	**5252ALA**	**5352ALA**
	Office White	**5252AOW**	**5352AOW**
	Red	**5252AR**	**5352AR**
	White	**5252AW**	**5352AW**
Isolated ground.[1]	Black	**CR5252IGBK**	**CR5352IGBK**
	Blue	**–**	**CR5352IGBL**
	Gray	**CR5252IGGY**	**CR5352IGGY**
	Ivory	**CR5252IGI**	**CR5352IGI**
	Orange	**CR5252IG**	**CR5352IG**
	Office White	**CR5252IGOW**	**CR5352IGOW**
	White	**CR5252IGW**	**CR5352IGW**

Notes: (1) See Section J for complete line of isolated ground devices.
See page A-44 for accessories.
See Section K for wallplates.
Horsepower ratings listed above are AC only.
See pages A-54 and A-55 for technical information.

Straight Blade Devices
2008 NEC® Receptacle Code Compliance

New
Tamper-Resistant Duplex Receptacles

Comply with NEC 406.11
Comply with NEC 210.52

All 125V, 15A and 20A receptacles shall be listed tamper-resistant receptacles per NEC Article 406.11, "Tamper-Resistant Receptacles in Dwelling Units".

Tamper Resistant

New
Weather-Resistant Duplex Receptacles

Comply with NEC 406.8(A)

All 125V and 250V, 15A and 20A receptacles shall be listed as weather resistant type per NEC Article 406.8, "Receptacles in Damp and Wet Locations".

Weather Resistant

These symbols appear throughout this catalog for easy identification.

What Do These Code Requirements Mean?

Tamper-Resistant (TR) receptacles incorporate internal mechanisms to limit access to energized internal components.

This new TR requirement is mandatory for use in dwelling unit outlets. There are also many other applications where the use of TR receptacles can provide an additional level of electrical safety.

Weather-Resistant (WR) receptacles installed outdoors and in other wet and damp locations are subject to more demanding temperature variations, direct sunlight and unusual mechanical abuse than those in a typical dry environment. Hubbell's WR receptacles are designed to withstand these environments and conditions.

Homes

Hotels

Waiting Rooms

Day Care Centers

Washdown Areas

Transit Centers

Amusement Parks

Open Air Markets

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Straight Blade Devices
Commercial Specification Grade Receptacles
Features and Benefits

Installation ease.
• Self-grounding staple.

Durable construction.
• Nylon face and base.

Installation ease.
• Easy access split circuit tab.
• Fork terminal capable.

Modern architectural appearance.
• Style Line® Decorator Face.

Sturdy construction.
• Wrap-around galvanized steel straps.

DR20I

Tamper Resistant

DR20GRYTR

Installation ease.
• Single tab breakoff ears.
• Self-grounding staple.

Durable construction.
• Nylon face and base.

Installation ease.
• Easy access split circuit tab.
• Fork terminal capable.
• Oversized terminal screws.

Sturdy construction.
• Wrap-around galvanized steel straps.

BR15I

CR15TR

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Commercial Specification Grade Duplex Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

Receptacles

Commercial, Specification Grade, Duplex, Side and Back Wired

Description	Color	Catalog Numbers	
Side and back wired, commercial.	Almond	**BR15AL**	**BR20AL**
	Black	**BR15BLK**	**BR20BLK**
	Brown	**BR15**	**BR20**
	Gray	**BR15GRY**	**BR20GRY**
	Ivory	**BR15I**	**BR20I**
	Light Almond	**BR15LA**	**BR20LA**
	Office White	**BR15OW**	**BR20OW**
	White	**BR15WHI**	**BR20WHI**
Tamper Resistant.*	Almond	**BR15ALTR**	**BR20ALTR**
	Black	**BR15BLKTR**	**BR20BLKTR**
	Brown	**BR15TR**	**BR20TR**
	Gray	**BR15GRYTR**	**BR20GRYTR**
	Ivory	**BR15ITR**	**BR20ITR**
	Light Almond	**BR15LATR**	**BR20LATR**
	White	**BR15WHITR**	**BR20WHITR**
Weather Resistant.	Almond	**BR15ALWR**	**BR20ALWR**
	Black	**BR15BLKWR**	**BR20BLKWR**
	Brown	**BR15WR**	**BR20WR**
	Gray	**BR15GRYWR**	**BR20GRYWR**
	Ivory	**BR15IWR**	**BR20IWR**
	Light Almond	**BR15LAWR**	**BR20LAWR**
	White	**BR15WHIWR**	**BR20WHIWR**
Weather and Tamper Resistant.*	Almond	**BR15ALWRTR**	**BR20ALWRTR**
	Black	**BR15BLKWRTR**	**BR20BLKWRTR**
	Brown	**BR15WRTR**	**BR20WRTR**
	Gray	**BR15GRYWRTR**	**BR20GRYWRTR**
	Ivory	**BR15IWRTR**	**BR20IWRTR**
	Light Almond	**BR15LAWRTR**	**BR20LAWRTR**
	White	**BR15WHIWRTR**	**BR20WHIWRTR**

Notes: See page A-44 for accessories.
See Section K for wallplates.
See page A-15 for NEC® Tamper and Weather Resistant Code Requirements.
See page A-55 for technical information.
*Tamper-resistant devices are not Fed. Spec. Listed.

1.32"
(33.6)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

BR15I

1.32"
(33.6)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

BR20TR

1.32"
(33.6)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

BR15IWR

1.32"
(33.6)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

BR20WRTR

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Commercial Style Line® Decorator Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

DR20GRY

1.30" (32.9)
3.28" (83.3)
2.73" (69.4)
1.07" (27.1)

DR20ITR

1.30" (32.9)
3.28" (83.3)
2.73" (69.4)
1.07" (27.1)

DR20GRYWRTR

1.30" (32.9)
3.28" (83.3)
2.73" (69.4)
1.07" (27.1)

Receptacles

Commercial Specification Grade
Duplex, Side and Back Wired

Description	Color	Catalog Numbers	
Side and back wired.	Almond	**DR15AL**	**DR20AL**
	Black	**DR15BLK**	**DR20BLK**
	Brown	**DR15**	**DR20**
	Gray	**DR15GRY**	**DR20GRY**
	Ivory	**DR15I**	**DR20I**
	Light Almond	**DR15LA**	**DR20LA**
	Office White	**DR15OW**	**DR20OW**
	White	**DR15WHI**	**DR20WHI**
Tamper Resistant.*	Almond	**DR15ALTR**	**DR20ALTR**
	Black	**DR15BLKTR**	**DR20BLKTR**
	Brown	**DR15TR**	**DR20TR**
	Gray	**DR15GRYTR**	**DR20GRYTR**
	Ivory	**DR15ITR**	**DR20ITR**
	Light Almond	**DR15LATR**	**DR20LATR**
	White	**DR15WHITR**	**DR20WHITR**
Weather and Tamper Resistant.*	Almond	**DR15ALWRTR**	**DR20ALWRTR**
	Black	**DR15BLKWRTR**	**DR20BLKWRTR**
	Brown	**DR15WRTR**	**DR20WRTR**
	Gray	**DR15GRYWRTR**	**DR20GRYWRTR**
	Ivory	**DR15IWRTR**	**DR20IWRTR**
	Light Almond	**DR15LAWRTR**	**DR20LAWRTR**
	White	**DR15WHIWRTR**	**DR20WHIWRTR**

Notes: See page A-44 for accessories.
See Section K for wallplates.
See page A-15 for NEC® Tamper and Weather Resistant Code Requirements.
See page A-55 for technical information.
**Tamper-resistant devices are not Fed. Spec. Listed.*

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Commercial Specification Grade Duplex Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

Receptacles

Commercial, Specification Grade,
Duplex, Side Wired Only

Description	Color	Catalog Numbers	
Smooth nylon face.	Almond	**CR15AL**	**CR20AL**
	Black	**CR15BLK**	**CR20BLK**
	Brown	**CR15**	**CR20**
	Gray	**CR15GRY**	**CR20GRY**
	Ivory	**CR15I**	**CR20I**
	Light Almond	**CR15LA**	**CR20LA**
	Office White	**CR15OW**	**CR20OW**
	White	**CR15WHI**	**CR20WHI**
Tamper resistant.*	Almond	**CR15ALTR**	**CR20ALTR**
	Black	**CR15BLKTR**	**CR20BLKTR**
	Brown	**CR15TR**	**CR20TR**
	Gray	**CR15GRYTR**	**CR20GRYTR**
	Ivory	**CR15ITR**	**CR20ITR**
	Light Almond	**CR15LATR**	**CR20LATR**
	White	**CR15WHITR**	**CR20WHITR**
Finder groove.	Almond	**CRF15AL**	**CRF20AL**
	Black	**CRF15BLK**	**CRF20BLK**
	Brown	**CRF15**	**CRF20**
	Gray	**CRF15GRY**	**CRF20GRY**
	Ivory	**CRF15I**	**CRF20I**
	Light Almond	**CRF15LA**	**CRF20LA**
	Office White	**CRF15OW**	**CRF20OW**
	White	**CRF15WHI**	**CRF20WHI**

Notes: See page A-44 for accessories.
See Section K for wallplates.
See page A-15 for NEC® Tamper and Weather Resistant Code Requirements.
See page A-55 for technical information.
*Tamper-Resistant devices are not Fed. Spec. Listed.

1.32"
(33.6)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

CR15I

1.32"
(33.6)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

CR15TR

1.32"
(33.6)

3.28"
(83.3)

2.73"
(69.3)

.83"
(21.1)

CRF15I

Straight Blade Devices
4-PLEX® Receptacles
Features and Benefits

Mounts directly to 4-inch square box.

Unique face design accepts up to four straight, angle or molded plugs.

Heavy duty, impact resistant housing.

Heavy duty, triple wipe, brass power and ground contacts.

"A" and "B" circuit identification molded into face.

Removable knockouts for mounting to octagon concrete ring or box.

Snub hole for fast, easy terminations.

Easily accessible break-off tabs for split circuit wiring.

Three conductors energize all four outlets.

Large #8 combination Robertson head terminal screws for ease of wiring.

Four-in-One Receptacle

4-PLEX is a perfect solution for outlet scarce locations. This receptacle can be mounted on a single or 2-gang flush outlet box or on a non-metallic portable box for temporary power applications. If mounted on a 4-inch square box, this product complies with NEC® Article 406.4 (B). Available in industrial grade, hospital grade, isolated ground and surge protected versions. Accessories include mounting plates and portable outlet boxes.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL Listed
1 HP

4-PLEX® Receptacles

Over Size Robertson/Slotted Head Terminal Screws

Description	Color	Catalog Numbers	
Specification grade.	Black	**HBL415BK**	**HBL420BK**
	Brown	**HBL415**	**HBL420**
	Gray	**HBL415GY**	**HBL420GY**
	Ivory	**HBL415I**	**HBL420I**
	White	**HBL415W**	**HBL420W**
Isolated ground.[1]	Orange	**IG415**	**IG420**
Surge suppression.	Blue	**HBL415S**	**HBL420S**
	Ivory	**HBL415IS**	**HBL420IS**

Notes: Horsepower ratings are AC only.
See page A-56 for technical information.
4-PLEX Receptacles are of a non-metallic design. Product is supplied with isolated ground symbol stickers. Apply if needed.
Mounts to 4-inch square box.
(1) See Section J for complete line of isolated ground devices.

.92"
(23.4)

.1"
(2.5)

4.30" sq.
(109.2)

3.02" (76.7)
3.38" (85.9)

HBL415I

.92"
(23.4)

.1"
(2.5)

4.30" sq.
(109.2)

3.02" (76.7)
3.38" (85.9)

HBL415S

Accessories

Description	Color	Catalog Numbers
4-PLEX Adapter Plates for 1- and 2- gang.	Blue	**HBL4APBL**
	Brown	**HBL4AP**
	Gray	**HBL4APGY**
	Ivory	**HBL4API**
	Orange	**HBL4APO**
	Red	**HBL4APR**
	White	**HBL4APW**
4-PLEX Portable Box. Portable 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Black	**HBL4PBBK**
	Brown	**HBL4PB**
	Ivory	**HBL4PBI**

Notes: 4-PLEX Box is not UL listed. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.

3.38" sq. (85.9)

.84"
(21.3)

4.30" sq.
(109.2)

4.05" sq.
(102.9)

2 Punchouts

.66" (16.8)
Dia. Wire Hole

3.28" (83.3)

HBL4PBI

.38" (9.7)

4.78"
(121.4)

3.28"
(83.3)

.19" (4.8)

2.75"
(69.9)

1.75"
(44.5)

3.38"sq. (85.9)

HBL4API

Straight Blade Devices

Valise® Plugs and Connectors

Features and Benefits

Two captive multiple drive assembly screws.

Totally insulated impact and crush resistant nylon body.

Nylon webs are provided to make wiring quick and easy
by joining the three sections together during assembly.

Unique patented clamp type terminals provide
a superior electrical connection by "bundling" the
conductor strands when clamps are tightened.

Eight specially designed load bearing locking lugs insure a
positive fit as the blade holder and sides are closed.

Powerful cord grips prevent conductor slippage
and strain on wiring terminals.

Removable cord inserts. Device accommodates a
wide range of cord sizes – .220" -.660" (5.6-16.8).

Straight Blade Devices
Elastogrip® High Visibility Yellow Plugs and Connectors
Features and Benefits

Watertight Plug

Multiple drive "U-Drive" fast lead body assembly screws.

Neoprene bushing keeps water and dust out.

Color coded Kellems GOTCHA® rings
provide increased cord retention.

Thermoplastic elastomer housing resists weathering
caused by ultraviolet rays and ozone better than rubber.
Also oil and chemical resistant.

Three separate transparent wiring chambers
allow for visual inspection.

Watertight Connector Body

Closure plug seals connector body
when disconnected from plug.

Integral weatherproofing shroud seals
connection between plug and connector.

Pretensioned "bypass" design female contacts
for abuse resistance and reliability.

Nylon compression nut keeps water and dust
from getting into the body around the cord.

Dust Tight Plug

Thermoplastic elastomer housing.

Powerful nylon cord grip prevents
strain on terminals.

Dust and moisture seal keeps out liquids,
metal filings and other foreign materials.

Multiple drive "U-Drive" fast lead body assembly screws.

Straight Blade Devices

Elastogrip® Plugs and Connectors

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Insulgrip®, Elastogrip® and Valise® Plugs

HBL5266C

HBL5266CA

HBL1447

HBL14W47

HBL5965VY

HBL5966VBLK

IP20
SUITABILITY

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Plugs

Insulgrip

Description	Cord Diameter	Catalog Numbers	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266C**	**HBL5366C**
Blue and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266CBL**	–
Black nylon extra large cord clamp.	.360"-.720" (9.1-18.3)	**HBL5266EBK**	**HBL5366EBK**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM66C**	**HBL53CM66C**
8-position angle plug, black and white nylon.	.325"-.655" (8.3-16.6)	**HBL5266CA**	**HBL5366CA**
8-position angle plug, transparent enclosure.	.325"-.655" (8.3-16.6)	**HBL5266CAT**	–
Anchor lock, black & white nylon.[1]	.230"-.720" (5.8-18.3)	**HBL5280C**	–
Anchor lock, corrosion resistant yellow nylon.[1]	.230"-.720" (5.8-18.3)	**HBL52CM80C**	–
Finger grip, black neoprene, combination screws. CSA only.	.312"-.468" (7.9-11.9)	**HBL5921**	–
Fusible, black vinyl housing, slotted screws. CSA only.	.296"-.625" (7.5-15.9)	**HBL5299**	–

IP20 and IP55
SUITABILITY

Elastogrip®

Description	Cord Diameter	Catalog Numbers	
Yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	**HBL1447**	**HBL1433**
Yellow elastomer, watertight.	.300"-.655" (7.6-16.6)	**HBL14W47***	**HBL14W33***

IP20
SUITABILITY

Valise®

Description	Cord Diameter	Catalog Numbers	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5965VY**	**HBL5364VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5965VBLK**	**HBL5364VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5965VGY**	–
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515PVO**	–
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5966VBLK**	–
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5966VY**	–

Notes: Horsepower ratings listed are AC only.
Watertight plugs IP55 suitability when installed and used properly with mating Elastogrip watertight connector bodies.
See page A-45 for accessories.
(1) UL Component Listed only. Not for general use applications.

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Insulgrip®, Elastogrip® and Valise® Connector Bodies

IP20
SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

2.78"
(70.6)

1.53"
(38.9)

1.41"
(35.6)

HBL5269C

Connector Bodies

Insulgrip®

Description	Cord Diameter	Catalog Numbers	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5269C**	**HBL5369C**
Black nylon extra large cord clamp.	.360"-.720" (9.1-18.3)	**HBL5269EBK**	**HBL5369EBK**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM69C**	**HBL53CM69C**

Notes: See page A-45 for accessories.

4.00"
(101.6)

1.61"
(40.9)

HBL1547

IP20 and IP55
SUITABILITY

Elastogrip®

Description	Cord Diameter	Catalog Numbers	
Yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	**HBL1547**	**HBL1533**
Yellow elastomer, watertight.	.300"-.655" (7.6-16.6)	**HBL15W47***	**HBL15W33***

3.00"
(76.2)

1.61"
(40.9)

HBL15W47

IP20
SUITABILITY

Valise®

Description	Cord Diameter	Catalog Numbers	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5969VY**	**HBL5369VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5969VBLK**	**HBL5369VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5969VGY**	–
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515CVO**	–
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5963VBK**	–
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5963VY**	–

Notes: Connector bodies are not HP rated.
   *Watertight connectors IP55 suitability when closure plug inserted or when installed
    and used properly with mating Elastogrip watertight plug.
   See page A-45 for accessories.

2.63"
(66.8)

1.25"
(31.8)

1.13"
(28.7)

HBL5969VY

1.25"
(31.8)

2.25"
(57.2)

1.17"
(29.7)

HBL5963VY

15 and 20 Ampere, 125 Volts

Straight Blade Devices
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Insulgrip® Flanged Inlets and Receptacles

HBL5278C

HBL61CM64

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Flanged Inlets

Description	Catalog Numbers	
Nylon casing, back wired.	**HBL5278C**	**HBL5378C**
Weatherproof, gray, with lift cover and multiple drive screws.	**HBL61CM64**	
Weatherproof, black, with lift cover and boot, multiple drive screws.	**HBL61CM64BK**	–
Stainless steel flange, phenolic body, miniature style, for molded on connectors only, multiple drive screws.	**HBL5240***	–

*Notes: *Specially designed to accept "molded-on" connector bodies. Catalog number HBL5240 will not accept re-wireable size connector bodies listed in this catalog or molded connectors having a "rejection obstruction" as required by Underwriters Laboratories Inc. standard #817 cord sets and power supply cords" effective 7/1/81.
See page A-45 for accessories.*

HBL5279C

HBL5256

HBL61CM65

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Flanged Receptacles

Description	Catalog Numbers	
Nylon casing, back wired.	**HBL5279C**	**HBL5379C**
Stainless steel flange, phenolic body, covered terminals, multiple drive screws.	**HBL5279**	–
Stainless steel flange, brown phenolic (mounting screws packed separately).	**HBL5256**	–
Weatherproof, gray nylon, with lift cover and boot, multiple drive screws.	–	**HBL61CM65***

*Notes: *Not CSA Certified.
See page A-45 for accessories.*

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Straight Blade Devices
15 and 20 Ampere, 250 Volts
2 Pole, 3 Wire Grounding
HBL® Extra Heavy Duty, Specification Grade Receptacles

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

Receptacles

HBL® Extra Heavy Duty, Specification Grade, Duplex

Description	Color	Catalog Numbers	
Flush, nylon face,	Black	–	HBL5462BK
back and side wired,	Brown	HBL5662	HBL5462
multiple drive screws.	Gray	–	HBL5462GY
	Ivory	HBL5662I	HBL5462I
	Red	–	HBL5462R
Isolated ground.[1]	Orange	IG5662	IG5462

1.65" (41.9)
3.28" (83.3)
2.72" (69.1)
.96" (24.4)

HBL5662I

HBL® Extra Heavy Duty, Specification Grade, Single

Description	Color	Catalog Numbers	
Flush, nylon face, back & side wired.	Brown	HBL5661	HBL5461
	Ivory	HBL5661I	HBL5461I
Isolated ground.[1]	Orange	IG5661	IG5461
Panel mount 1.94 in. (49.3) centers.	Brown	HBL5684	–
Ring terminal connection.	Brown	HBL5661RT	–

1.65" (41.9)
3.28" (83.3)
2.72" (69.1)
.96" (24.4)

HBL5462I

HBL® Extra Heavy Duty, Specification Grade
Duplex and Panel Mount, Single

Description	Color	Catalog Numbers	
Flush, nylon face, side wired only.	Brown	HBL5652	–
	Ivory	HBL5652I	–
Panel mount 1.75 in. (44.5) centers.	Brown	HBL5658	–

Notes: HP ratings are AC only.
See page A-44 for accessories.
(1) See Section J for full line of isolated ground devices.

1.19" (30.2)
1.94" (49.3)
1.39" (35.3)
1.63" (41.4)

HBL5661

1.63" (41.4)
1.94" (49.3)
1.39" (35.3)
.875" (22.2)

HBL5684

1.75" (44.5)
1.39" (35.3)
1.47" (35.3)
1.13" (28.7)
#8-32 Tap

HBL5658

15 and 20 Ampere, 250 Volts
2 Pole, 3 Wire Grounding
Insulgrip® Plugs and Flanged Inlets

15A 250V
NEMA 6-15P
UL CSA
1.5 HP

20A 250V
NEMA 6-20P
UL CSA
2 HP

1.97"
(50.0)

1.53"
(38.9)

HBL5666C

Plugs

15 and 20 Ampere

Description	Cord Diameter	Catalog Numbers	
Insulgrip® Plug, black and white nylon.	.230"-.720" (5.8-18.3)	HBL5666C	HBL5466C
Insulgrip® Plug, corrosion resistant, yellow nylon.	.230"-.720" (5.8-18.3)	HBL56CM66C	HBL54CM66C
8-Position Insulgrip® Angle Plug, black and white nylon.	.325"-.655" (8.3-16.6)	HBL5666CA	HBL5466CA
Valise® Plug, yellow nylon.	.220"-.660" (5.6-16.8)	HBL5666VY	HBL5464VY

Note: See page A-45 for accessories.

1.22"
(30.9)

2.11"
(53.6)

1.53"
(38.9)

HBL5666CA

15A 250V
NEMA 6-15P
UL CSA

20A 250V
NEMA 6-20P
UL CSA

1.88"
(47.8)

1.5"
(38.1)

1.13"
(28.7)

HBL5666VY

Insulgrip® Flanged Inlets

Description	Catalog Numbers	
Nylon casing, back wired.	HBL5678C	HBL5478C

Notes: Flanged inlets are not HP rated.
See page A-45 for accessories.

2.56"
(65.0)

2.19"
(55.6)

.16" (4.1)
Dia.

1.72"
(43.7)

1.72"
(43.7)

HBL5678C

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Straight Blade Devices
15 and 20 Ampere, 250 Volts
2 Pole, 3 Wire Grounding
Insulgrip® and Valise® Connector Bodies and Flanged Receptacles

NEMA 6-15R
15A 250V
UL CSA

NEMA 6-20R
20A 250V
UL Listed

Connector Bodies

Insulgrip®

Description	Cord Diameter	Catalog Numbers	
Insulgrip® Connector Body, black and white nylon, multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL5669C**	**HBL5469C**
Valise® Connector Body, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5669VY**	**HBL5469VY**

Note: See page A-45 for accessories.

2.78" (70.6)
1.53" (38.9)
1.41" (35.8)
HBL5669C

2.63" (66.88)
1.50" (38.1)
1.13" (28.7)
HBL5669VY

Flanged Receptacles

Description	Catalog Numbers	
Nylon casing, multiple drive screws.	**HBL5679C**	**HBL5479C**
Stainless steel flange, brown phenolic housing (mounting screws packaged separately).	**HBL5656**	–

Notes: Connector bodies are not HP rated.
*Watertight connectors IP55 suitability when closure plug inserted or when installed and used properly with mating Elastogrip watertight plug.
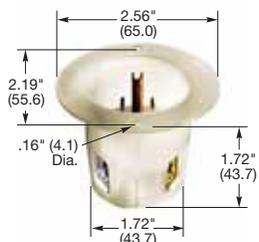*See page A-45 for accessories.*

2.56" (65.0)
2.19" (55.63)
.16" (4.1) Dia.
1.72" (43.7)
1.72" (43.7)
HBL5679C

.20" Dia. (5.1)
1.47" (37.3)
2.06" (52.3)
1.09" (27.7)
HBL5656

Straight Blade Devices
15 and 20 Ampere, 125, 250 Volts and 277 Volts AC
2 Pole, 2 Wire Non-Grounding and 2 Pole, 3 Wire Grounding
Plugs, Connector Bodies and Receptacles

1.68"
(42.7)

1.25"
(31.8)

.88"
(22.4)

HBL5865VY

2.38"
(60.5)

1.25"
(31.8)

.88"
(22.4)

HBL5869VY

3.28"
(83.3)

2.63"
(66.8)

1.33"
(33.8)

1.19"
(30.2)

HBL5302

1.50"
(38.1)

1.63"
(41.4)

HBL5929

1.50"
(38.1)

1.88"
(47.8)

HBL9758VY

3.28" 1.39"
(83.3) (35.3)

1.14"
(29.0)

HBL5552B

15A, 125V
2 Pole, 2 Wire
Valise® Plugs

IP20
SUITABILITY

15A 125V
NEMA 1-15R
UL CSA
0.5 HP

15A 125V
NEMA 1-15P
UL CSA
0.5 HP

Description	Cord Diameter	Catalog Numbers	
Yellow nylon, non-polarized.	.218"-.385" (5.5-9.8)	–	**HBL5865VY**
Yellow nylon, polarized.	.218"-.385" (5.5-9.8)	–	**HBL5866VY**

Valise® Connector Bodies

Description	Cord Diameter	Catalog Numbers	
Yellow nylon.	.218"-.385" (5.5-9.8)	**HBL5869VY**	–

15A, 277V
2 Pole, 3 Wire
Plug

15A 277V AC
NEMA 7-15R
UL CSA
2 HP

15A 277V AC
NEMA 7-15P
2 HP

Description	Cord Diameter	Catalog Numbers	
Finger grip, black elastomer.	.312"-.468" (7.9-11.9)	–	**HBL5929***

Receptacle, Duplex

Description	Catalog Numbers	
Flush, brown, back & side wired.	**HBL5302**	–

Notes: Horsepower ratings are AC only.
*Not UL listed.
See page A-44 for accessories.

20A, 250V
2 Pole, 2 Wire
Valise® Plugs

IP20
SUITABILITY

20A 250V
NEMA 2-20R
UL Listed
2 HP

20A 250V
NEMA 2-20P
UL Listed
2 HP

Description	Cord Diameter	Catalog Numbers	
Yellow nylon.	.220"-.660" (5.6-16.8)	–	**HBL9758VY**

Receptacle, Single

Description	Catalog Numbers	
Black phenolic.	**HBL5552B**	–

Notes: Horsepower ratings are AC only and apply to plugs and receptacles only.
See page A-44 for accessories.

Straight Blade Devices
20 Ampere, 125/250 Volts and 3Ø 250 Volts AC
3 Pole, 3 Wire Non-Grounding; 3 Pole, 4 Wire Grounding; 4 Pole 4 Wire Non-Grounding
Receptacles and Plugs

20A, 125/250V
3 Pole, 3 Wire Non-Grounding
Receptacles and Plugs

IP20
SUITABILITY

20A 125V/250V
NEMA 10-20R
UL Listed
2(1) HP

20A 125V/250V
NEMA 10-20P
UL Listed
2(1) HP

3.28" 1.39"
(83.3) (35.3)

.97"
(24.6)

HBL6810

Description	Cord Diameter	Catalog Numbers	
Receptacle, black phenolic.	–	**HBL6810**	–
Plug, Insulgrip®, nylon.	.385"-.780" (9.8-19.8)	–	**HBL9977C**

Notes: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Those in parentheses are phase to neutral (120V AC).
See page A-44 for accessories.

2.50"
(63.5)

1.94"
(49.2)

HBL9977C

20A, 125/250V
3 Pole, 4 Wire Grounding
Receptacles and Plugs

IP20
SUITABILITY

20A 125V/250V
NEMA 14-20R
UL CSA
2(1) HP

20A 125V/250V
NEMA 14-20P
UL CSA
2(1) HP

2.38" 1.39"
(60.5) (35.3)

1.19"
(30.2)

HBL8410

Description	Cord Diameter	Catalog Numbers	
Receptacle, black nylon body, back & side wired.	–	**HBL8410**	–
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	–	**HBL8411C**

Note: See page A-44 for accessories.

20A, 3Ø 250V AC
3 Pole, 4 Wire Grounding
Receptacles and Plugs

IP20
SUITABILITY

20A 3Ø 250V AC
NEMA 15-20R
UL CSA
3 HP

20A 3Ø 250V AC
NEMA 15-20P
UL CSA
3 HP

2.34"
(59.4)

1.61"
(40.9)

3.64"
(92.5)

HBL8411C

Description	Cord Diameter	Catalog Numbers	
Receptacle, black nylon body, back & side wired.	–	**HBL8420**	–
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	–	**HBL8421C**

Notes: See page A-44 for accessories.
Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Horsepower ratings in parentheses are phase to neutral (120V AC).

2.38" 1.39"
(60.5) (35.3)

1.19"
(30.2)

HBL7250

20A, 3ØY 120/208V AC
4 Pole, 4 Wire Non-Grounding
Receptacles and Plugs

IP20
SUITABILITY

20A 3ØY 120/208V AC
NEMA 18-20R
UL Listed
2 HP

20A 3ØY 120/208V AC
NEMA 18-20P
UL Listed
2 HP

Description	Cord Diameter	Catalog Numbers	
Receptacle, black nylon body.	–	**HBL7250**	–
Plug, nylon, angle, 4-position.	.390"-.775" (9.9-19.7)	–	**HBL7251C**

Notes: Horsepower ratings are phase to phase (208 to 240V AC).
Weatherproof boots for plugs not available.
See page A-44 for accessories.

2.34"
(59.4)

1.61"
(40.9)

3.64"
(92.5)

HBL7251C

Straight Blade Devices
16 Ampere, 250 Volts AC International
2 Pole, 3 Wire Grounding
20 Ampere, 250 Volts AC North American Rated
IEC 320 Appliance Couplers

IEC

H320P

1.52" (38.6)
2.75" (69.9)
1.36" (34.5)

IP20
SUITABILITY

Plug IEC 320 Compatible

Description	Catalog Numbers
20/16A 250V AC IEC straight blade.	**H320P**

H320B

.22" (5.6)
1.47" (37.3)
1.19" (30.2)
1.28" (32.5)
1.64" (41.7)

Inlets

Description	Catalog Numbers
20/16A 250V AC IEC straight blade.	**H320B**
20/16A 250V AC IEC straight blade with retention clamp.	**H320BL**

H320BL

1.28" (32.5)
.22" (5.6)
1.47" (37.3)
1.19" (30.2)
1.64" (41.7)

Connector

IP20
SUITABILITY

Description	Catalog Numbers
20/16A 250V AC IEC straight blade.	**H320C**

H320C

1.42" (36.1)
1.95" (49.5)
.41" (10.4)

Receptacle IEC 320 Compatible

Description	Catalog Numbers
20/16A 250V AC IEC straight blade.	**H320R**
For Ring Terminal connection.	**H320RRT**†

Note: See page A-59 for technical information.
†Not UL Listed.

H320R

1.55" (39.4)
1.41" (35.8)
1.52" (38.6)
1.89" (48.0)

Straight Blade Devices
15 and 20 Ampere, 125 and 250 Volts
2 Pole, 3 Wire Grounding
Hazardous Location Receptacles, Plugs, Boxes and Accessories

20A 125V
NEMA 5-20R
UL CSA

Acceptor®
Hazardous Location Receptacles

Description	Catalog Numbers
Explosion and dust ignition proof. Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups F, G Class III NEMA® 3, 7 B C D, 9 F G	**UGRO20231** **UGRA20231***

*UGRA version includes an adapter plate for mounting to Crouse-Hinds® EDS series and Appleton® EFD series back boxes. UL Listed for Class 1, Div. 2, Groups B, C, D.

UGRO20231

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Acceptor
Hazardous Location Plugs

Description	Catalog Numbers	
Explosion and dust ignition proof. Class I, Div. 1 & 2, Groups B, C, D Class II, Div. 1 & 2, Groups E, F, G Class III NEMA® 3, 7 B C D, 9 F G	**UGP15231**	**UGP20231**

UGP15231

SWB Series Boxes

Hub Size	Catalog Numbers	
	1-Gang Dead End	1-Gang Feed Thru
½ in. N.P.T	**SWB1**	**SWB4**
¾ in. N.P.T.	**SWB2**	**SWB5**
Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups E, F, G Class III NEMA® 7 C D, 9 E F G		

Note: SWB series boxes will only accommodate Acceptor Series receptacles, not standard weatherproof covers.

SWB1

SWB5

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Straight Blade Devices
Heavy Duty Insulgrip®
30, 50, 60 Amp
Plugs and Receptacles

Heavy duty cable grips handle a wide range of cable sizes to prevent conductor movement that can cause strain on the terminals.

Neoprene dust shields fit a variety of cable diameters to provide a reliable seal to keep dust out.

Supertough nylon housing provides high impact resistance.

Gripping ribs provide secure gripping area.

Reinforced thermoplastic polyester provides high impact and heat resistance.

Captive Allen head terminal screws are user-ready.

Catalog number, NEMA number, ratings and certifications molded in face.

Plated steel mounting plate provides corrosion resistance. Unit mounts in a 2-gang box.

One piece design power and ground contacts provide low operating temperatures.

Sequenced contacts assure protection for people and equipment.

Catalog number, NEMA number, ratings and certifications molded in face.

Four-wire receptacles: Floating "V" bottom contact lugs bundle strands to provide high contact pressure and low operating temperatures.

Captive Allen head terminal screws permit high torque and clamping pressure required for larger size conductors. User-ready.

Straight Blade Devices
30 Ampere, 125, 250 Volts, 277 Volts AC and 125/250 Volts
2 Pole, 3 Wire Grounding and 3 Pole, 3 Wire Non-Grounding
Single Receptacles and Plugs

IP20
SUITABILITY

30A 125V
NEMA 5-30R
UL CSA
2 HP

30A 125V
NEMA 5-30P
UL CSA
2 HP

30A, 125V
2 Pole, 3 Wire Grounding
Receptacles and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL9308**	–
Receptacle, orange, isolated ground.[1]	–	**IG9308**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9309***

1.79" (45.64)
2.38" (60,33) 2.12" (53,84)
2.35" (59.93)

HBL9308

IP20
SUITABILITY

30A 250V
NEMA 6-30R
UL CSA
2 HP

30A 250V
NEMA 6-30P
UL CSA
2 HP

30A, 250V
2 Pole, 3 Wire Grounding
Receptacles and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL9330**	–
Receptacle, orange, isolated ground.[1]	–	**IG9330**	–
Plug, nylon, angle, 4-position	.625"-1.187" (15.9-30.1)	–	**HBL9331***

2.25" (57.15)
3.28" (83.30) 2.12" (53.8) 3.68" (93.47)
1.81" (45.97)

IG9308

IP20
SUITABILITY

30A 277V AC
NEMA 7-30R
UL CSA
3 HP

30A 277V AC
NEMA 7-30P
UL CSA
3 HP

30A, 277V
2 Pole, 3 Wire Grounding
Receptacles and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL9315**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9319***

IP20
SUITABILITY

30A 125/250V
NEMA 10-30R
UL Listed
2(2) HP

30A 125/250V
NEMA 10-30P
UL Listed
2(2) HP

30A, 125/250V
3 Pole, 3 Wire Non-Grounding
Receptacles and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black phenolic.	–	**HBL9350**	–
Receptacle, surface mount aluminum housing.	–	**HBL9395**	–
Plug, Insulgrip®, nylon.	.625"-1.00" (15.9-25.4)	–	**HBL9337C**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9333**

2.75" (69.9)
1.88" (47.8)
4.33" (110.0)

HBL9331

Notes: (1) See Section J for complete line of isolated ground devices.
*Not Fed. Spec. Listed.
See page A-46 for accessories.

2.75" (69.9)
1.88" (47.8)
4.33" (110.0)

HBL9333

2.50" (63.5) 2.09" (53.1)
1.69" (42.9)

HBL9350

2.50" (63.5)
2.13" (54.1)
5.06" (128.5)
2.0 (52.

HBL9395

Straight Blade Devices
30 Ampere, 125/250 Volts, 3Ø 250 and 120/208 Volts AC
3 Pole, 4 Wire Grounding and 4 Pole, 4 Wire Non-Grounding
Single Receptacles and Plugs

HBL9430A

30A, 125/250V
3 Pole, 4 Wire Grounding
Receptacles and Plugs

IP20 SUITABILITY

30A 125/250V NEMA 14-30R 2(2) HP
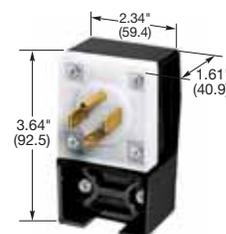30A 125/250V NEMA 14-30P 2(2) HP

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL9430A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9431C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9432C**

HBL9431C

30A, 3Ø 250V AC
3 Pole, 4 Wire Grounding
Receptacles and Plugs

IP20 SUITABILITY

30A 3Ø 250V AC NEMA 15-30R 3 HP
30A 3Ø 250V AC NEMA 15-30P 3 HP

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL8430A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8431C**
Plug, nylon, angle, 4-position	.625"-1.310" (15.9-33.3)	–	**HBL8432C**

HBL9432C

30A, 3ØY 120/208V AC
4 Pole, 4 Wire Non-Grounding
Receptacles and Plugs

IP20 SUITABILITY

30A 3ØY 120/208V AC NEMA 18-30R UL Listed 3 HP
30A 3ØY 120/208V AC NEMA 18-30P UL Listed 3 HP

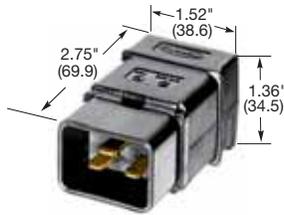| Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL8330A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8331C**

Note: See page A-47 for accessories.

HBL8330A

HBL8331C

HUBBELL *Wiring Device-Kellems* www.hubbell-wiring.com *Dimensions in Inches (mm)*

Straight Blade Devices
50 Ampere, 125, 250 Volts, 277 Volts AC and 125/250 Volts
2 Pole, 3 Wire Grounding and 3 Pole, 3 Wire Non-Grounding
Single Receptacles and Plugs

IP20
SUITABILITY

50A 125V
NEMA 5-50R
UL CSA
2 HP

50A 125V
NEMA 5-50P
UL CSA
2 HP

50A, 125V
2 Pole, 3 Wire Grounding
Receptacles and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	HBL9360*	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	–	HBL9361

*Note: *For dimensions, see HBL9308 on page A-37.*

2.75" (69.9)
4.33" (110.0)
1.88" (47.8)

HBL9361

IP20
SUITABILITY

50A 250V
NEMA 6-50R
UL CSA
3 HP

50A 250V
NEMA 6-50P
UL CSA
3 HP

50A, 250V
2 Pole, 3 Wire Grounding
Receptacles and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	HBL9367	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	–	HBL9368

2.50" (63.5) 2.09" (53.1)
1.69" (42.9)

HBL7962

IP20
SUITABILITY

50A 277V AC
NEMA 7-50R
UL CSA
5 HP

50A 277V AC
NEMA 7-50P
UL CSA
5 HP

50A, 277V AC
2 Pole, 3 Wire Grounding
Receptacles and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	HBL9365	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	–	HBL9379

2.50" (63.5)
2.13" (54.1)
5.06" (128.5)
2.06" (52.3)

Representative of surface mount receptacle

IP20
SUITABILITY

50A 125/250V
NEMA 10-50P
UL Listed
3(2) HP

50A 125/250V
NEMA 10-50P
UL Listed
3(2) HP

50A, 125/250V
3 Pole, 3 Wire Non-Grounding
Receptacles, Connector Body and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black phenolic.	–	HBL7962	–
Receptacle, surface mount aluminum housing.	–	HBL7940	–
Connector body, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	HBL7515C	–
Plug, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	–	HBL7513C
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	–	HBL7977

Note: See page A-46 for accessories.

2.88" (73.2)
5.75" (146.1)

HBL7515C

2.88" (73.2)
4.13" (104.9)

HBL7513C

Straight Blade Devices
50 Ampere, 125/250 Volts, 3Ø 250 and 120/208 Volts AC
3 Pole, 4 Wire Grounding and 4 Pole, 4 Wire Non-Grounding
Single Receptacles and Plugs

2.75" (69.9) · **1.81" (46.0)**
1.81" (46.0)
#6-32 TAP
2.44" (61.9)
3.28" (83.3)
2.37" (60.3)

HBL9450A

50A, 125/250V
3 Pole, 4 Wire Grounding
Receptacles and Plugs

IP20 SUITABILITY

50A 125/250V
NEMA 14-50R
UL CSA
3(2) HP

50A 125/250V
NEMA 14-50P
UL CSA
3(2) HP

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL9450A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9452C**

2.88" (73.2)
4.13" (104.9)

HBL9451C

50A, 3Ø 250V AC
3 Pole, 4 Wire Grounding
Receptacles and Plugs

IP20 SUITABILITY

50A 3Ø 250V AC
NEMA 15-50R
UL CSA
7.5 HP

50A 3Ø 250V AC
NEMA 15-50P
UL CSA
7.5 HP

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL8450A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8452C**

3.38" (85.8)
4.5" (114.3)
2.38" (60.5)

HBL9452C

(UL)

IP20 SUITABILITY

50A 3ØY
120/208V AC
NEMA 18-50R
UL Listed
7.5 HP

50A 3ØY
120/208V AC
NEMA 18-50P
UL Listed
7.5 HP

50A, 3ØY 120/208V AC
4 Pole, 4 Wire Non-Grounding
Receptacles and Plugs

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL8350A**	–
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8352C**

Notes: See page A-47 for accessories.
RTP is an abbreviation for reinforced thermoplastic polyester.

2.75" (69.9) · **1.81" (46.0)**
1.81" (46.0)
#6-32 TAP
2.44" (61.9)
3.28" (83.3)
2.37" (60.3)

HBL8350A

Straight Blade Devices
60 Ampere, 125/250 Volts, 3Ø 250 and 120/208 Volts AC
3 Pole, 4 Wire Grounding and 4 Pole, 4 Wire Non-Grounding
Single Receptacles and Plugs

60A, 125/250V
3 Pole, 4 Wire Grounding
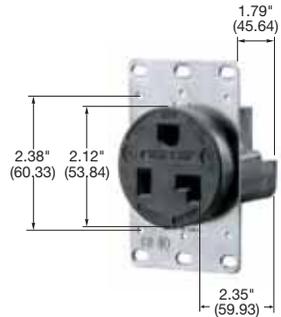### Receptacles and Plugs

IP20
SUITABILITY

60A 125/250V
NEMA 14-60R
UL CSA
3(2) HP

60A 125/250V
NEMA 14-60P
UL CSA
3(2) HP

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL9460A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9462C**

2.88" (73.2)

4.13" (104.9)

HBL9461C

60A, 3Ø 250V AC
3 Pole, 4 Wire Grounding
Receptacles and Plugs

IP20
SUITABILITY

60A 3Ø 250V AC
NEMA 15-60R
UL CSA
10 HP

60A 3Ø 250V AC
NEMA 15-60P
UL CSA
10 HP

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL8460A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8462C**

3.38" (85.8)

4.5" (114.3)

2.38" (60.5)

HBL9462C

60A, 3ØY 120/208V AC
4 Pole, 4 Wire Non-Grounding
Receptacles and Plugs

IP20
SUITABILITY

60A 3ØY
120/208V AC
NEMA 18-60R
UL Listed
7.5 HP

60A 3ØY
120/208V AC
NEMA 18-60P
UL Listed
7.5 HP

Description	Cord Diameter	Catalog Numbers	
Receptacle, black RTP.	–	**HBL7301A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL7303C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL7302C**

Note: See page A-47 for accessories.
RTP is an abbreviation for reinforced thermoplastic polyester.

2.75" (69.9)

1.81" (46.0)

1.81" (46.0)

#6-32 TAP

2.44" (61.9)

2.37" (60.3)

3.28" (83.3)

HBL7301A

DIN Rail Utility Box
15 & 20 Ampere
Complete Units and Component Parts

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

15A 125V NEMA 5-15F UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

3.31" (84.1) 2.54" (64.5) 4.97" (126.2)

DRUB15

Duplex Receptacles

Description	Color	Catalog Numbers	
Complete unit	Gray	DRUB15	DRUB20
Complete unit, horizontal mount	Gray	DRUB15H	–
Complete unit with 5A circuit breaker	Gray	DRUB15CB5	–
Complete unit with 5A circuit breaker, horizontal	Gray	DRUB15HCB5	–
Complete unit with aux	Gray	–	DRUB20AC
Complete unit with aux and 5A circuit breaker	Gray	–	DRUB20ACCB5
Complete unit with NEMA® 6-15R duplex (250V)	Gray	–	DRUB5462*

*Notes: *DRUB5462 configuration not pictured.*
NEMA® is a registered trademark of the National Electrical Manufacturers Association.

GFCI Duplex Receptacles

Description	Color	Catalog Numbers	
Complete unit	Gray	DRUBGFI15	DRUBGFI20
Complete unit, horizontal	Gray	DRUBGFI15H	–
Complete unit with 5A circuit breaker	Gray	DRUBGFI15CB5	–
Complete unit with 5A circuit breaker, horizontal	Gray	DRUBGFI15HCB5	–
Complete unit with aux GFCI contacts	Gray	DRUBGFI15AC	DRUBGFI20AC
Complete unit, faceless with aux GFCI contacts	Gray	–	DRUBGFI20BFAC

DRUBGFI15AC

TVSS Duplex Receptacles

Description	Color	Catalog Numbers	
Complete unit	Gray	DRUBTVSS15	–

Isolated Ground[1] Duplex Receptacles

Description	Color	Catalog Numbers	
Complete unit	Gray	DRUBIG15	–

Toggle Switch Unit

Description	Color	Catalog Numbers	
CS1221 in complete unit with aux	Gray	DRUB1221AC	–
Complete unit with SW/REC	Gray	DRUB6404	–

DRUBTVSS15

DIN Rail Utility Box Components

Description	Color	Catalog Numbers
Pre-wired kit without circuit breaker	Gray	DRUBKIT
Pre-wired kit with circuit breaker	Gray	DRUBKITCB5
Pre-wired kit with aux	Gray	DRUBKITAC
Pre-wired kit with circuit breaker and aux	Gray	DRUBKITACCB5
Switch plate only	Gray	KP1GY*
Rectangular opening plate only	Gray	KP26GY*
1.60 in. opening plate only	Gray	KP720GY*
1.40 in. opening plate only	Gray	KP7GY*
Duplex receptacle plate only	Gray	KP8GY*

Notes: (1) See Section J for complete line of isolated ground devices.
UL Listed, CSA Certified.

Straight Blade Devices
Miscellaneous and Combination Receptacles
2 Pole, 3 Wire Grounding
15 and 20 Ampere

15A 125V
NEMA 5-15R
UL CSA

Miscellaneous Receptacles

Description	Catalog Numbers
Receptacle, display type, brown phenolic, with .060 in. brass plate and blank flush plug.	**HBL5236**
Replacement receptacle for HBL5236.	**HBL5236M2**
Replacement threaded plug for HBL5236.	**D5590401***
Receptacle, wooden floors, brown phenolic with .060 in. brass plate, blank flush plug and box.	**HBL6236**
Receptacle, clock hanger, brown with stainless steel plate.	**HBL5235**
Four outlet cluster, brown phenolic, steel cover, swivel hook. Cord grip range .296–.562 in. (7.5–14.3) cord not supplied.	**HBL9259***

*Note: *Not UL Listed or CSA certified.*

HBL5236

HBL5235

Special Combination Duplex Receptacles

Description		Catalog Numbers
15A, 125V	Brown RTP, 1 feed, 1 return, back/side wired	**HBL4792**
	Brown RTP, 2 feeds, 1 return, side wired	**HBL4794**
15A, 125V	Brown RTP, 2 feeds, 2 returns, side wired	**HBL4795**
15A, 250V	Brown nylon face, 2 circuit, back and side wired	**HBL5292**
	Ivory nylon face, 2 circuit, back and side wired	**HBL5292I**
15A, 125V		
20A, 250V	Brown nylon face, 2 circuit, back and side wired	**HBL5492**
	Ivory nylon face, 2 circuit, back and side wired	**HBL5492I**
20A, 125V		
15A, 125V	Brown RTP, 2 feeds, 1 return, common ground	**HBL7371**
10A, 250V	*Note: This device is not listed by Underwriters*	
15A, 125V	*Laboratories Inc. nor CSA certified.*	
20A, 125V	Brown nylon, side and back wired	**HBL5392**
20A, 125V	*Note: This device will only accept 20A grounding plugs.*	

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page A-44 for accessories.

3.00" (76.2)
3.69" (93.7)
2.00" (50.8)

HBL9259

1.50" (38.1)
3.28" (83.3)
2.75" (69.9)
.88" (22.4)

HBL5292

Straight Blade Devices
Accessories
For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices

NP8I

NP7

SS7

HBL52CM22

HBL5206WO

HBL7423WO

Wallplates, 1-Gang

Description	Color	Duplex Receptacles	Style Line® Receptacles	Single Receptacles with Face Dia. 1.39 in. (35.3)
Smooth nylon.	Almond	–	NP26AL	–
	Black	NP8BK	NP26BK	NP7BK
	Brown	NP8	NP26	NP7
	Gray	NP8GY	NP26GY	NP7GY
	Ivory	NP8I	NP26I	NP7I
	Light Almond	–	NP26LA	–
	Office White	NP8OW	NP26OW	NP7OW
	Orange	NP8OR	–	–
	Red	NP8R	NP26R	NP7R
	White	NP8W	NP26W	NP7W
Stainless steel 302/304 satin, smooth, 1-gang.		SS8	SS26	SS7
Brass .040 in. (1.02) smooth, 1-gang		SB8	SB26	SB7
Aluminum, anodized, smooth.		SA8	–	SA7

Weatherproof Covers

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.39 in. (35.3)
RTP, gray, for FS/FD box mounting.	HBL5221	HBL7423WO
RTP, yellow, for FS/FD box mounting.	HBL52CM21	HBL74CM23WO
RTP, gray, for device mounting.	HBL5222	–
RTP, yellow, for device mounting.	HBL52CM22	–
Cast aluminum for FS/FD box mounting.	HBL5206WO	HBL7420
Cast aluminum for device mounting.	HBL5205WO	–

Notes: All weatherproof plates are UL Listed for Wet Locations.
Those with suffix WO are listed for use with cover open, all others with
cover closed. Refer to Section K for more details on cover plates.
RTP is an abbreviation for reinforced thermoplastic polyester.

Straight Blade Devices
Accessories
For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices

®ㅣ⑤®

IP44
SUITABILITY

Weatherproof Covers
For Nylon Flanged Inlets & Flanged Receptacles

Description	Catalog Numbers
RTP, gray, for FS/FD box mounting.	WP1

Notes: Refer to Section K for more details on cover plates.
RTP is an abbreviation for reinforced thermoplastic polyester.

WP1

IP55*
SUITABILITY

Weatherproof Boots

Description	Catalog Numbers
Seal-Tite® triple seal, black elastomer cover for Insulgrip® plugs (HBL5266C style), when used in a cord set, and connector bodies (HBL5269C style), when used with flanged inlets.	HBL6017
Same as above except yellow.	HBL60CM17
Seat-Tite® triple seal black elastomer cover for Insulgrip® connector bodies when used in a cord set.	HBL6018
Same as above except yellow.	HBL60CM18
Closure plug, black.	HBL6019
Closure plug, yellow.	HBL60CM19

Notes: Boots are not UL Listed or CSA Certified.
*IP55 when installed and used properly with mating components.

HBL6017

HBL6018

HBL60CM19
Shown with HBL6018

PLUGOUT® Device

Description	Catalog Numbers
Electrical plug lockout devices for 15 and 20A straight blade plugs.	HLDMP**
PLUGOUT® Lockout device for 20 & 30A Hubbell plugs and others.	HLD**

Notes: See Section U for complete details on lockout devices.
**Not UL Listed or CSA Certified.

3.14" (79.8)
4.22" (107.2)
HLDMP

Inserts

Description	Catalog Numbers
Replacement cord grip inserts for Valise® device, (bag of 40).	HBLVCGBK**

Note: **Not UL Listed or CSA Certified.

4.27" (108.5)
7.27" (184.7)
HLD

Accessories

For 3 Wire 30 and 50 Ampere, 125 and 250 Volts and 277 Volts AC

SS723

SS703

HBL9420

IP44
SUITABILITY

Wallplates

Description	Catalog Numbers
Stainless steel, 302/304, smooth, 1-gang.	**SS723**
Stainless steel, 302/304, satin, smooth, 2-gang.	**SS703**
Aluminum, smooth, 1-gang.	**SA723**
Nylon, black, smooth, 1-gang.	**NP724BK**
Nylon, black, smooth, 2-gang.	**NP703BK**

Weatherproof Lift Covers

Description	Catalog Numbers
Cast aluminum for FS/FD box mounting for 30 amp.	**HBL9420**
Cast aluminum for FS/FD box mounting for 50 amp.	**HBL9425**

PLUGOUT® Device

Description	Catalog Numbers
Electrical plug lockout device for 30A, 50A and 60A devices.	**HLD2**
Note: See Section U for complete details on lockout devices.	

6.31"
(160.3)

12.5"
(317.5)

HLD2

HUBBELL® *Wiring Device-Kellems*   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Straight Blade Devices
Accessories
For 4 Wire 30, 50 and 60 Ampere, 125/250 Volts, 3Ø250 and 3ØY120/208 Volts AC

Wallplates, 2-Gang

Description	Catalog Numbers
Brass .04 in. (1.0), brushed, smooth.	SB701

SS701

IP44
SUITABILITY

Weatherproof Lift Covers

Description	Catalog Numbers
RTP, gray, lift cover plate. Will fit FS/FD boxes having plate mounting hole 3.25 in. x 3.75 in. (82.5 x 95.2), centers. Only for use with receptacles on pages A-38 to A-41 with "A" suffix.	HBL7777A
Same as above except yellow.	HBL77CM77A

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

HBL7777A

PLUGOUT® Device

Description	Catalog Numbers
Electrical plug lockout device for 30A, 50A and 60A devices.	HLD2

Note: See Section U for complete details on lockout devices.

6.31"
(160.3)

12.5"
(317.5)

HLD2

Technical Information
Tamper Resistant (TR) and Weather Resistant (WR)
NEC® Code Requirements

CR15TR

Tamper-Resistant Receptacles

Per the 2008 National Electrical Code (NEC®) Article 406.11; All 125 volt, 15 and 20 amp receptacles in dwelling units shall be a listed tamper resistant type. Dwelling units are defined as a single unit, providing complete and independent living facilities for one or more persons, including permanent provisions for living, sleeping, cooking and sanitation. Listed devices are required to have a TR marking on the face visible when installed without a cover plate.

Tamper-Resistant (TR) receptacles incorporate internal mechanisms to limit access to energized internal components.

This new TR requirement is mandatory for use in dwelling unit outlets. There are also many other applications where the use of TR receptacles can provide an additional level of electrical safety.

HBL52CM62I

Weather-Resistant Receptacles

Per the 2008 National Electrical Code (NEC®) Article 406.8; All 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.

Weather-Resistant (WR) receptacles installed outdoors and in other wet and damp locations are subject to more demanding temperature variations, direct sunlight and unusual mechanical abuse than those in a typical dry environment.

DR20GRYWR

Note: The above TR and WR symbols appear throughout this section for easy identification of Tamper and Weather Resistant receptacles.

BR15IWR

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Straight Blade Devices
Technical Information

HBL8200GY

Hospital Grade, Straight Blade Duplex Receptacles

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL8200.	Receptacle	15A
Manufacturer's Identification – Hubbell HBL8200.	Top	PBT*
Description – Hospital Grade, Straight Blade Duplex Receptacle.	Base	RTP**
Type – 2 Pole, 3 Wire, Grounding.	By-Pass Power Contacts	.037 in. (.9) Brass – Nickel Finish
Rating – 15A, 125V.	Clamping Plate	.031 in. (.8) Brass – Nickel Finish
Certification: UL Listed to UL 498 File E2186, Fed. Spec. WC596	Mounting Strap	.050 in. (1.3) Brass – Nickel Finish
Hospital Grade, NEMA® WD-6 requirement	Line Terminal Screws	#10-32 Silicone Bronze, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285.		
	Hex Head Grounding Screw	#10-32 (Green) Silicon Bronze, Multiple Drive
	Center Assembly Rivet	Silicon Bronze
	Automatic Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Stainless Steel

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

Flammability	UL 94V-0 and UL 94-5 VA.
Operating Temperatures	Maximum continuous 75°C; minimum -40°C (w/o impact).

Notes: *Polybutylene Terephthalate.
**Reinforced Thermoplastic Polyester.

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Straight Blade Devices
Technical Information

HBL® Extra Heavy Duty, Specification Grade Duplex Receptacles

HBL5262

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL5262.	Receptacle	15A
Manufacturer's Identification – Hubbell HBL5262.	Top	Nylon
Description – Heavy Duty Straight Blade Duplex Receptacle.	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding.	By-Pass Power Contacts	.037 in. (.9) Brass
Rating – 15A, 125V.	Wire Clamps	.031 in. (.8) Brass
Certification: UL Listed to UL498 File E2186, Guide RTRT	Mounting Strap	.050 in. (1.3) Brass
Fed. Spec. WC596, Meets NEMA® WD-6 requirements	Line Terminal Screws	#10-32 Brass, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285.	Ground Screw	#10-32 Brass, Multiple Drive (Green)
	Center Assembly Rivet	Brass
	Automatic Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Steel-Zinc Plated
	Ground Tension Clips	Steel-Nickel Finish

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

Flammability	Top: UL 94V-2. Base: UL 94V-0 and UL 94-5 VA.
Operating Temperatures	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Straight Blade Devices
Technical Information

HBL® Compact Extra Heavy Duty, Specification Grade Receptacles

HBL5252

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL5252.	Receptacle	15A
Manufacturer's Identification – Hubbell HBL5252.	Top	Nylon
Description – Straight Blade Duplex Receptacle.	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding.	Triple Wipe Power Contacts	.032 in. (.8) Brass
Rating – 15A, 125V.	Wire Clamps	.062 in. (1.8) Steel
Certification – UL Listed to UL 498 File E2186,	Mounting Strap	.050 in. (1.3) Brass
Fed. Spec. WC596, Certified to CSA 22.2, No. 42 File 285.	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Center Assembly Rivet	Brass
	Automatic Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Steel-Zinc Plated

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

Flammability	UL 94V-2.
Operating Temperatures	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Notes: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Straight Blade Devices
Technical Information

HBL2152   HBL2172

HBL® Compact Heavy Duty Style Line® Specification Grade and Hospital Grade Straight Blade Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. HBL2152. Manufacturer's Identification – Hubbell HBL2152 Receptacle. Description – Straight Blade Duplex Receptacle. Type – 2 Pole, 3 Wire Grounding. Rating – 15A, 125V. Certification – UL File No. E2186. Certified to CSA File No. 285.	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Center Assembly Staple Ground Staple Mounting Screws	15A Nylon Nylon .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Steel (Galvanized) .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive .040 in. (1) Steel (Galvanized) Stainless Steel Zinc Plated Steel

Receptacle	Part	Description
Typical Specification – Catalog No. HBL2172. Manufacturer's Identification – Hubbell HBL2182 Receptacle. Description – Straight Blade Duplex Receptacle. Type – 2 Pole, 3 Wire Grounding. Rating – 15A, 125V. Certification – UL listed to UL498 File E2186, Fed. Spec. WC596, Certified to CSA File No. 285.	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Center Assembly Staple Ground Staple Mounting Screws	15A Nylon RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Steel (Galvanized) .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive .040 in. (1) Steel (Galvanized) Stainless Steel Zinc Plated Steel

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75° C; minimum -40°C (w/o impact).

Notes: *Reinforced Thermoplastic Polyester.
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Straight Blade Devices
Technical Information

SNAP*Connect*™ Straight Blade Duplex Receptacles

SNAP5362I

Specifications

Terminal	Contact	Terminal Body	Wire
SNAP6R1	Brass	Clear Polycarbonate	Solid copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90C (min).
SNAP6R2	Brass	Clear Polycarbonate	Stranded copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90C (min).

Receptacle	Part	Description
Typical Specification – Catalog No. SNAP5262.	Receptacle	15A
Manufacturer's Identification – Hubbell SNAP5262.	Top	Nylon
Description – Straight Blade Duplex Receptacle.	Base	Nylon
Type – 2 Pole, 3 Wire, Grounding.	Triple Wipe Power Contacts	Brass
Rating – 15A, 125V.	Mounting Strap	Galvanized Steel
Certification – UL Listed to UL 498.	Automatic Grounding Clip	Stainless Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42.	Flat Head Mounting Screws	Steel-Zinc Plated/Self Tapping

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V as rated.
Current Interrupting	Receptacle certified for current interrupting at full rated current with equivalently rated NEMA® plug.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated DC current.

Mechanical

Terminal Wire Leads Identification	Terminal wire leads identified in accordance with UL 498 (Black, White, Green).
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

Flammability	UL 94V-2.
Operating Temperatures	Maximum continuous 75°C; minimum -40°C (without impact).

Dimensions

Green Dot on Hospital Grade Only

.24" (6.1)
.86" (21.9)
1.56" (39.7)
2.62" (66.5)
3.28" (83.3)
1.25" (31.8)

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Straight Blade Devices
Technical Information

5252 **5262**

Hubbell-Pro, Heavy Duty, Straight Blade Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. 5252. Manufacturer's Identification – Hubbell 5252 Receptacle. Description – Straight Blade Duplex Receptacle. Type – 2 Pole, 3 Wire Grounding. Rating – 15A, 125V. Certification – UL File No. E2186. Certified to CSA File No. 285	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Center Assembly Staple Ground Staple Mounting Screws	15A Nylon Nylon .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Steel (Galvanized) .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive .040 in. (1) Steel (Galvanized) Stainless Steel Zinc Plated Steel

Receptacle	Part	Description
Typical Specification – Catalog No. 5262. Manufacturer's Identification – Hubbell 5262 Receptacle. Description – Straight Blade Duplex Receptacle. Type – 2 Pole, 3 Wire Grounding. Rating – 15A, 125V. Certification – UL listed to UL498 File E2186, Fed. Spec. WC596, Certified to CSA C22.2, No. 42.	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Center Assembly Staple Ground Staple Mounting Screws	15A Nylon RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Steel (Galvanized) .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive .040 in. (1) Steel (Galvanized) Stainless Steel Zinc Plated Steel

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

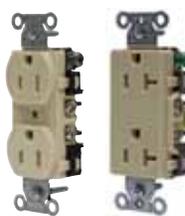|	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Notes: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Straight Blade Devices
Technical Information

CR15, CR20
CR15TR, CR20TR
CRF15, CRF20

BR15, BR20
BR15TR, BR20TR
DR15, DR20
DR15TR, DR20TR

BR15WR, BR20WR
BR15WRTR, BR20WRTR
DR15WR, DR20WR
DR15WRTR, DR20WRTR

Commercial Specification Grade Receptacles

Specifications

Description	Type – 2 Pole, 3 Wire Grounding	Type – 2 Pole, 3 Wire Grounding	Type – 2 Pole, 3 Wire Grounding
Part			
Top	Nylon	Nylon	**Nylon (UV Rated)**
Base	Nylon	Nylon	Nylon
Double Wipe Power Contacts	.030 in. (.8) Brass	.030 in. (.8) Brass	.030 in. (.8) Brass
Wire Clamp	–	.062 in. (1.6) Steel-Nickel Plated	.062 in. (1.6) Steel-Nickel Plated
Finish			
Mounting Strap	.040 in. (1) Steel (Galvanized)	.040 in. (1) Steel (Galvanized)	.040 in. (1) Steel (Galvanized)
Ground Contact	.031 in. (.8) Brass	.031 in. (.8) Brass	.031 in. (.8) Brass
Line Terminal Screws	#8-32 Plated Steel, Multiple Drive	#8-32 Plated Steel, Multiple Drive	**#8-32 Stainless Steel,** Multiple Drive
Ground Screw	#8-32 Plated Steel, Multiple Drive	#8-32 Plated Steel, Multiple Drive	**#8-32 Stainless Steel,** Multiple Drive
Ground Staple	Stainless Steel	Stainless Steel	Stainless Steel
Mounting Screws	Zinc Plated Steel	Zinc Plated Steel	**Stainless Steel**
Certification			
UL Listed	UL498	UL498	UL498
Fed. Spec.	WC596*	WC596*	WC596*
Certified to CSA	C22.2, No. 42	C22.2, No. 42	C22.2, No. 42

Performance

Electrical			
Dielectric Voltage	Withstands 2,000V minimum.	Withstands 2,000V minimum.	Withstands 2,000V minimum.
Max. Working Voltage	125V	125V	125V
Current Interrupting	Certified for current interrupting at full rated current.	Certified for current interrupting at full rated current.	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.
Mechanical			
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.	#14-10 AWG stranded or solid copper conductor only.	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.	Ratings are a permanent part of the device.	Ratings are a permanent part of the device.
Environmental – Material			
Flammability	UL 94V-2.	UL 94V-2.	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).	Maximum continuous 75°C; minimum -40°C (w/o impact).	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Decorator and Commercial Tamper-Resistant devices are not Fed. Spec. Listed.*

Straight Blade Devices
Technical Information

HBL415I

4-PLEX® Receptacles

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. HBL415.	Receptacle	15 or 20A
Manufacturer's Identification – Hubbell 4-PLEX HBL415.	Top	Polycarbonate
Description – Straight Blade, Multiple Outlet Receptacle.	Base	Polycarbonate
Type – 2 Pole, 3 Wire, Grounding.	Power Contacts	.032 in. (.8) Brass
Rating 15A, 125V.	Ground Contacts	.031 in. (.8) Brass
Certification – Listed to UL Standard 498 File E2186	Ground Plate	.032 in. (.8) Plated Steel
Certified to CSA 22.2, No. 42 File 285.	(Hospital Grade)	.050 in. (1.3) Plated Steel
	Line & Neutral Terminal Plate	.031 in. (.8) Brass
	Line Terminal Screw	#8-32 Brass
	Ground Screw	#8-32 Brass (Green)

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Capable of withstanding a fault level of 1000A, per UL498.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload current at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-12 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental

Flammability	UL 94V-2.
Operating Temperatures	Maximum continuous 75°C; minimum -40°C (w/o impact).

HUBBELL

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Straight Blade Devices
Technical Information

HBL5266C　　　　**HBL5269C**

Insulgrip® Plugs and Connector Bodies

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. HBL5266C.	Plug	15A
Manufacturer's Identification – Hubbell HBL5266C.	Housing	Nylon – Black
Description – Straight Body Plug.	Blade Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding.	Retainer	Polycarbonate – Clear
Rating – 15A, 125V.	Cord Clamp	Nylon – Natural
Verified to Federal Spec W-C-596	Contact Blades	.060 in. (1.5) Brass
Certification – UL Listed to UL498 File E1706, CSA	Ground Contact Blade	.040 in. (1.0) Copper Alloy
Certified to C22.2 No. 42 File 280.	Line Terminal Screws	#8-32 Brass, Multiple Drive
IP Suitability – IP20.	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Connector Bodies	Part	Description
Typical Specification – Catalog No. HBL5269C.	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5269C.	Housing	Nylon – Black
Description – Straight Body Connector.	Contact Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding.	Retainer	Polycarbonate – Clear
Rating – 15A, 125V.	Cord Clamp	Nylon – Natural
Verified to Federal Spec W-C-596	Power Contacts	.040 in. (1.0) Copper Alloy
Certification – UL Listed to UL498 File E1706, CSA	Line Terminal Screws	#8-32 Brass, Multiple Drive
Certified to C22.2 No. 42 File 280.	Ground Screw	#8-32 Brass, Multiple Drive (Green)
IP Suitability – IP20.	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#18-10 AWG copper conductors only.
Product Identification	Ratings are a permanent part of the device.
Torque Range	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	.230–.720 in. (5.8–18.3) integral cord grip.

Environmental – Material

Flammability	UL 94HB or better.
Operating Temperatures	Maximum continuous 75°C; minimum – 40°C (w/o impact).

Straight Blade Devices
Technical Information

HBL5965VY   **HBL5969VY**

Valise® Plugs and Connectors

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. HBL5965VY.	Plug	15A
Manufacturer's Identification – Hubbell HBL5965VY.	Housing	Nylon
Description – Straight Body Plug.	Contact Blades	Brass
Type – 2 Pole, 3 Wire, Grounding.	Ground Blade	Brass
Rating – 15A, 125V.	Line Terminal Screws	Steel-Copper, Multiple Drive
Verified to Federal Spec W-C-596	Ground Screw	Steel (Green), Multiple Drive
Certification – UL Listed to UL 498 File E1706, CSA Certified	Cable Inserts	Poly Phenylene Oxide
to C22.2 No. 42 File 280C.	Wire Clamps	Steel
IP Suitability – IP20.	Body Holding Screws	Steel, Multiple Drive

Connector Bodies	Part	Connector
Typical Specification – Catalog No. HBL5969VY.	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5969VY.	Housing	Nylon
Description – Straight Body Connector.	Contact and Ground Springs	Brass
Type – 2 Pole, 3 Wire, Grounding.	Line Terminal Screws	Steel-Copper, Multiple Drive
Rating – 15A, 125V	Ground Screw	Steel (Green), Multiple Drive
Verified to Federal Spec W-C-596	Cable Inserts	Poly Phenylene Oxide
Certification – UL Listed to UL 498 File E1706, CSA Certified	Wire Clamps	Steel
to C22.2 No. 42 File 280C.	Body Holding Screws	Steel, Multiple Drive
IP Suitability – IP20.		

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	Copper conductors only.
	2 Wire 15A #18-14 AWG,
	2 Wire 20A & 3 Wire 15A #18-12 AWG,
	Hospital Grade #16-12 AWG,
	I.D. Valise #18-16 AWG.
Product Identification	Molded Rating on Device Face.
Torque	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	2-Wire 15A Only .218–.385 in. (5.5–9.8),
	2-Wire 20A & 3-Wire .220–.660 in. (5.6–16.8),
	Hospital Grade .300–.660 in. (7.6–16.8),
	I.D. Valise .230–.360 in. (5.8–9.1).

Environmental – Material

Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Standards

NEMA® WD1
NEMA Configurations
Listed to UL Standard UL498
Certified to CSA Standard C22.2 No. 42
Verified to Federal Spec W-C-596

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Straight Blade Devices
Technical Information

H320B   **H320C**   **H320P**   **H320R**

IEC 320 Devices

Specifications

Plug

Catalog Numbers	H320P
Description	IEC Configuration compatible straight blade Valise® plug.
Type	2-pole + earth.
Rating	16A 250V AC for European service;
	20A 250V AC for North American service.
Certification	UL listed 20A 250V AC – File No. E1706;
	CSA Certified 20A 250V AC – File No. 17337.
Cord Accommodation	North American – 16/3 SJ-12/3SJ (.325–.475 in. dia.);
	International – (HAR cord) 3x1.5mm^2 3x2.5mm^2 (8–12mm dia.).
IP Suitability	IP20.

Receptacle

Catalog Numbers	H320R
Description	IEC Configuration compatible straight blade panel mount receptacle.
Type	2-pole + earth.
Rating	16A 250V AC for European service;
	20A 250V AC for North American service.
Certification	UL listed 20A 250V AC – File No. E2186;
	CSA certified 20A 250V AC – File No 17337.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper
	conductor only.
	International – 1.55mm^2–2.5mm^2.

Connector

Catalog Numbers	H320C.
Description	IEC Detachable straight blade connector.
Type	2-pole + earth.
Rating	16A 250V AC for European service;
	20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C19.
Certification	UL listed 20A 250V AC – File No. E1706;
	CSA Certified 20A 250V AC – File No. 17337;
	UL classified to IEC 320, 16A 250V AC – File No. E111246;
Cord Accommodation	North American – 16/3SJ-12/3SJ (.325–.475 in. dia.);
	International – (HAR cord) 3x1.5mm^2–3x2.5mm^2 (8mm–12mm dia.).
IP Suitability	IP20.

Inlet

Catalog Numbers	H320B & H320BL.
Description	IEC Straight blade panel mount power inlet.
Type	2-pole + earth.
Rating	16A 250V AC for European service;
	20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C20.
Certification	UL listed 20A 250V AC – File No. E1706;
	CSA certified 20A 250V AC – File No. 17337;
	UL classified to IEC 320, 16A 250V AC – File No. E111246;
	VDE certified at 16A 250V AC – File No. 12469 1550 1002.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper
	conductor only.
	International – 1.5mm^2–2.5mm^2.

Straight Blade Devices
Technical Information

HBL9431C **HBL9430A**

Heavy Duty Insulgrip® Plugs and Receptacles

Specifications

Plug	Part	Description
Typical Specification - Catalog No. HBL9431C	**Plug**	**30A**
Manufacturer's identification - Hubbell HBL9431C	Housing	Supertough Nylon
Description - Straight Body Plug	Blade Holder & Retainer	Reinforced Thermoplastic Polyester
Type - 3 Pole, 4 Wire, Grounding	Blades	Brass
Rating - 30A, 125/250V	Terminal Screws	⅜ in. Allen Head, Plated Steel
Certification - UL Listed File E1706, CSA Certified*	Box Terminals	Copper
IP Suitability - IP20	Cord Clamps	Reinforced Thermoplastic Polyester
	Mounting and Clamp Screws	Stainless Steel
	Cord Grip Range	.625–1.310 in. (15.9–33.3)

Receptacle	Part	Description
Typical Specification - Catalog No. HBL9430A	**Receptacle**	**30A**
Manufacturer's Identification - Hubbell HBL9430A	Housing Construction	Reinforced Thermoplastic Polyester
Description - Single Receptacle	Mounting Plate	.062 in. (1.5) Pre-Plated Steel
Type - 3 Pole, 4 Wire, Grounding	Contacts	Brass
Rating - 30A, 125/250V	Ground Shunt	Brass
Certification - UL Listed File E2186, CSA Certified	Terminal Screws	⅜ in. Allen Head, Plated Steel
	Box Terminals	Copper

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interruption	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green)
Terminal Accommodation	#12 AWG through #4 AWG copper wire only.
Production Identification	Ratings are a permanent part of the device.

Environmental

Flammability	Receptacle: UL 94 VO. Plug: UL 94 HB (Housing), UL 94 VO (Blade Holder and Retainer).
Operating Temperatures	Maximum continuous 60°C, minimum -40°C (w/o impact).

*Note: *Listed to UL Standard 498 (Attachment Plugs and Receptacles), Certified to CSA Standard 42M (General Use Receptacles, Attachments, Plugs and Singular Wiring Devices) where applicable.*

Section B
Twist-Lock® and Hubbellock® Devices

Index

Midget Twist-Lock® Devices

Twist-Lock® Devices

Watertight Safety-Shroud® & Circuit-Lock®

50 Amp Devices & Hubbellock®

Twist-Lock® Devices

Index

Twist-Lock® Devices
Summary

Insulgrip® Plugs, Connectors, Receptacles and Inlets
The widest range of singularly rated NEMA devices available. Designed to last from engineered thermoplastic materials and high performing alloys.

Safety-Shroud® Twist-Lock
The ultimate in Twist-Lock safety. A full offering of plugs and connectors that lead the field in personnel safety. Also included are receptacles in three styles, angled, surface mount and semi-flush to satisfy every installation need.

Watertight Safety-Shroud Twist-Lock
A complete family of plugs, connectors, receptacles and inlets featuring UL Type 4X enclosure ratings and Safety-Shroud design.

There's only one manufacturer of Twist-Lock…Hubbell.

There's no company more synonymous with a tradition of excellence in the electrical industry than Hubbell. Having introduced the Twist-Lock device in the early 20th century Hubbell has been the market leader ever since.

Hubbell Insulgrip® Twist-Lock's rugged construction features highly engineered materials, roomy wiring chambers, superior strain relief and powerful cord grip designs. Insulgrip Twist-Lock products are the foundation of the broadest breadth of line available. Hubbell offers Twist-Lock for minimum space applications (Midget), and all other applications from 15 Amp to 50 Amp. Hubbell's design expertise assures the best performing products available.

Hubbell Re-Defines Excellence
The Insulgrip Twist-Lock product line now features a complete offering of 20A and 30A Safety Shroud Twist-Lock devices. Current carrying blades are protected by a fixed shroud, shielding them from deformation. Even more importantly, the shroud virtually eliminates user contact with a partially engaged, energized plug. For wet environments, Hubbell offers the Watertight Safety-Shroud Twist-Lock series. These products incorporate the shrouding technology with a UL Type 4X enclosure rating.

Watertight Mechanical Interlock for Safety-Shroud Twist-Lock
Hubbell's Circuit-Lock enclosure products virtually eliminate making or breaking the circuit under load.

50 Amp Insulgrip Twist-Lock
An exclusive Hubbell design delivering Insulgrip features, insulated housing and superior strain relief. They are tough and rugged enough for the most demanding construction or industrial applications.

Midget Twist-Lock
These 2 wire and 3 wire products offer the same quality as their larger counterparts – but the size to go where they can't. The optional Valise design makes for fast, simple wiring.

Hubbellock® Devices
Hubbellock devices are the proven choice to reduce problems resulting from arcing, lazy connections, loosening terminals, moisture, corrosion and rough use.

Twist-Lock® Devices

Midget Twist-Lock

Features and Benefits

Hubbell's Valise® insulation displacement terminal for Midget Twist-Lock Plugs and Connector Bodies are the right choice for economy, wiring speed and long life.

Assembly screws have multiple drive heads for screwdriver versatility. Only two assembly screws are needed to close this device, make the wire terminations and retain the cord.

Totally insulated body adds extra measure of safety.

Abuse resistant nylon housing.

Nylon webs join two sections together which makes assembly of the device quick and easy.

Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly, even in the most abusive environments.

The insulation displacement terminal reduces the time required for wire preparation and provides uniformity in the quality of termination.
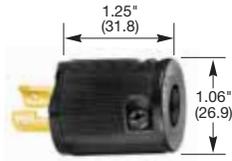
Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals.

"TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking.

Twist-Lock® Devices
15 Ampere, 125, 125/250 Volts
Midget Twist-Lock Plugs and Flanged Inlets

1.25" (31.8)
1.06" (26.9)

HBL7465V

1.61" (40.9)
1.19" (30.2)

HBL7594V

2.00" (50.8)
1.59" (40.4)
1.17" (29.7)
1.13" (28.7)

HBL7594

IP20 SUITABILITY

W
15A 125V
NEMA ML-1P

W   GR
15A 125V
NEMA ML-2P

X
W   Y
15A 125/250V
NEMA ML-3P

Plugs

Description	Cord Dia.	Catalog Numbers		
Valise® plug, black nylon.	.220"-.385" (5.6-9.8)	**HBL7465V**	–	–
Valise® plug, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	**HBL7594V**	–
Black nylon cover, phenolic body, multiple drive screw terminals.	.281"-.421" (7.1-10.7)	–	**HBL7594**	–
Angle plug, black nylon cover, phenolic body, multiple drive screw terminals.	.335"-.421" (8.5-10.7)	–	**HBL7570**	–
Valise® plug, black nylon, with insulation displacement terminals, multiple drive screws.	.300"-.430" (7.6-10.9)	–	–	**HBL7485V**
Black nylon body, phenolic base, multiple drive screw terminals, cord grip.	.281"-.421" (7.1-10.7)	–	–	**HBL7485**
Same as above, except angle cord grip.	.335"-.421" (8.5-10.7)	–	–	**HBL7432**

Accessories on page B-6.

1.69" (42.9)
.86" (21.8)
1.17" (29.7)

HBL7570

Flanged Inlets

Description	Catalog Numbers		
Stainless steel flange, polarized, exposed terminals.	**HBL7467**	–	–
Stainless steel flange, not polarized, exposed terminals.	**HBL7466**	–	–
Exposed terminals, black nylon flange.	–	**HBL7595N**	–
Exposed terminals, stainless steel flange.	–	**HBL7595**	–
Covered terminals, stainless steel flange, accepts cord .500" (12.7) dia.	–	**HBL7551**	–
Exposed terminals, black nylon flange.	–	–	**HBL7486N**
Exposed terminals, stainless steel flange.	–	–	**HBL7486**

Accessories on page B-6.

Notes: Male ML-2P devices have hollow center ground sleeves.
Male ML-3P devices have solid center neutral pins.

1.63" (41.4)
1.38" (35.1)
.16" (4.1) DIA.
.94" (23.9)
1.06" (26.9)

HBL7466, HBL7467

2.06" (52.3)
1.75" (44.5)
1.00" (25.4)
.15" (3.8) DIA.
1.28" (32.5)

HBL7595N

2.06" (52.3)
1.75" (44.5)
.16" (4.1) DIA.
1.00" (25.4)
1.22" (31.0)

HBL7595

2.06" (52.3)
1.75" (44.5)
1.00" (25.4)
.15" (3.8) DIA.
1.27" (32.3)

HBL7486N

2.06" (52.3)
1.75" (44.5)
.16" (4.1) DIA.
1.00" (25.4)
1.22" (31)

HBL7486

Twist-Lock® Devices
15 Ampere, 125, 125/250 Volts
Midget Twist-Lock Connector Bodies
and Flanged Receptacles

IP20 SUITABILITY

15A 125V
NEMA ML-1R

GR

15A 125V
NEMA ML-2R

15A 125/250V
NEMA ML-3R

Connector Bodies

Description	Cord Dia.	Catalog Numbers		
Valise® connector body, black nylon, polarized.	.220"-.385" (5.6-9.8)	**HBL7464V**	–	–
Valise® connector body, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	**HBL7593V**	–
Black nylon cover, phenolic body, screw terminals.	.281"-.421" (7.1-10.7)	–	**HBL7593**	–
Angle connector body, black nylon cover, phenolic body, screw terminals.	.335"-.421" (8.5-10.7)	–	**HBL7571**	–
Valise® type, black nylon, with insulation displacement terminals, multiple drive screws.	.300"-.430" (7.6-10.9)	–	–	**HBL7484V**
Black nylon body, phenolic base, multiple drive screws, cord grip.	.281"-.421" (7.1-10.7)	–	–	**HBL7484**
Same as above, except for angle cord grip.	.335"-.421" (8.5-10.7)	–	–	**HBL7433**

Accessories on page B-6.

Flanged Receptacles

Description	Catalog Numbers		
Stainless steel flange, exposed terminals.	**HBL7468**	–	–
Exposed terminals, black nylon flange.	–	**HBL7596N**	–
Exposed terminals, stainless steel flange.	–	**HBL7596**	–
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in dia.	–	**HBL7598**	–
Exposed terminals, black nylon flange.	–	–	**HBL7487N**
Exposed terminals, stainless steel flange.	–	–	**HBL7487**
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in diameter.	–	–	**HBL7489**

Accessories on page B-6.

Notes: Male ML-2R devices have solid center ground pins.
Male ML-3R devices have hollow center neutral sleeves.

1.77" (45.0)
.97" (24.6)
1.06" (26.9)
HBL7464V

1.98" (50.4)
1.19" (30.2)
HBL7593V

2.42" (61.5)
1.13" (28.7)
1.17" (29.7)
HBL7593

1.69" (42.9)
1.28" (32.5)
1.17" (29.7)
HBL7571

1.97" (50.0)
1.19" (30.2)
HBL7484V

2.02" (51.3)
1.13" (28.7)
1.17" (29.7)
HBL7484

2.06" (52.3)
1.75" (44.5)
.16" (4.1) DIA.
.97" (24.6)
1.17" (29.7)
HBL7596

2.06" (52.3)
1.75" (44.5)
.16" (4.1) DIA.
1.25" (31.8)
1.17" (29.7)
HBL7598

2.06" (52.3)
1.75" (44.5)
1.00" (25.4)
.15" (3.8) DIA.
1.14" (29.0)
HBL7596N

1.63" (41.4)
1.38" (35.1)
.16" (4.1) DIA.
.78" (19.8)
1.03" (26.2)
HBL7468

HBL7490V

HBL7459V

HBL4890

HBL7495V

HBL7440V

HBL4889

15A 125V NEMA ML-1R   **15A 125V** NEMA ML-1P

Weatherproof Accessories

Description	Catalog Numbers
Seal-tite® cover, black elastomer, for use with a HBL7465V plug when used with a HBL7464V connector body or a HBL7464V connector when used with a flanged inlet.	HBL7490V** †
Seal-tite cover, black elastomer, for use with a HBL7464V connector body and combination of HBL7465V plug and HBL7490V cover.	HBL7459V** †
Closure cover for use with HBL7466 or HBL7467. Bead chain is nickel-plated.	HBL4890†

15A 125V NEMA ML-2R   **15A 125V** NEMA ML-2P

Weatherproof Accessories

Description	Catalog Numbers
Seal-Tite® cover, black elastomer, for use with a HBL7594V plug when used with a HBL7593V connector body or a HBL7593V connector body when used with a flanged inlet.	HBL7495V†
Seal-Tite® cover, black elastomer, for use with a HBL7593V connector body and a combination of HBL7594V plug and HBL7495V cover.	HBL7440V†
Closure cover for use with HBL7595 or HBL7595N.	HBL4889†

15A 125/250V NEMA ML-3R   **15A 125/250V** NEMA ML-3P

Weatherproof Accessories

Description	Catalog Numbers
Seal-Tite® cover, black elastomer, for use with a HBL7485V or HBL7485 plug when used with a HBL7484V or HBL7484 connector body when used with a flanged inlet.	HBL7495V** †
Seal-Tite® cover, black elastomer, for use with a HBL7484V or HBL7484 connector body and a combination of HBL7485V or HBL7485 plug and HBL7495V cover.	HBL7440V** †
Closure cover for use with HBL7486 or HBL7486N.	HBL4889†

*Notes: ** IP55 suitability when installed and used properly with plug and connector body combinations.*
† Not UL Listed.

Twist-Lock® Devices
Insulgrip® 15 Ampere Plugs and Connector Bodies
Featuring Integral VARI-SIZE® Cord Grip

Individually molded face for each blade configuration keeps debris out of plug interior.

Roomy wiring chamber provides ample space for wiring.

Powerful, offsetting cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminals.

Individual wiring terminals are completely enclosed in their own separate chambers.

Ribbed nylon housing provides a secure grip that's impact and chemical resistant.

Beveled housing prevents snagging when dragged across uneven surfaces.

Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230"-.720" (5.8-18.3).

Multiple drive screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver.

VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230"-.360" (5.8-9.0). Accepts slotted and Phillips head drivers.

Transparent angled wiring entrance holes permit "straight in" conductor insertion and quick visual verification for terminations.

Catalog number is visible on the device while in use for easy identification.

Powerful offsetting cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations.

Twist-Lock® Devices
15 Ampere Duplex Twist-Lock® Receptacles
Including Isolated Ground and Corrosion Resistant Devices

Brass mounting strap with stainless steel grounding clip.

Reinforced thermoplastic construction.

Single piece, all brass contacts.

All terminals are back and side wired including the ground.

Single point break-off tabs.

High performance internal wiring clamps and open terminal design provide for the use of forked terminals.

Mounting strap tabs lock the body and base together.

Hubbell Wiring Device-Kellems line of duplex Twist-Lock receptacles are designed to deliver premium service and longer life. This rugged product design establishes a new standard for 15 amp locking receptacles. A reinforced thermo-plastic top and base encapsulates the brass alloy contacts that are locked together by tabs on the mounting strap for unequaled assembly strength. Wiring and installation is simplified with back and side wire terminations, integral wire restraints, and combination head screws. The integral split circuit capability offers flexibility. Available in 2 Pole, 3 Wire configurations including isolated ground and corrosion resistant versions.

Benefits
• High impact and heat resistance provides maximum safety and longer life.
• Superior spring characteristics for increased contact force, secure connections and longer life.
• High-conductivity, corrosion resistant material for reliable, low resistance to fault currents.
• Easy and reliable installation for stranded and solid wire.
• Redesigned to provide split circuit capability in the field.
• The assembly locks together to make the most abuse resistant receptacle ever.

Twist-Lock® Devices
15 Ampere, 125 Volts
2 Pole, 2 Wire, Non-Grounding
Insulgrip® Plugs, Flanged Inlets, Connector Bodies and Receptacles

IP20
SUITABILITY

15A 125V
NEMA L1-15P
UL Listed
0.5 HP

Plugs

Description	Cord Dia.	Catalog Numbers
Black and white nylon, polarized. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL7545C**

Accessories on page B-49.

1.53" (38.9)
1.91" (48.5)

HBL7545C

Flanged Inlets

Description	Catalog Numbers
Nylon casing, polarized, backwired, Multiple drive screws.	**HBL7524C**

Accessories on page B-48.

15A 125V
NEMA L1-15R
UL Listed
0.5 HP

2.56" (65.0)
2.19" (55.6)
.16" (4.1) DIA.
1.69" (42.9)
1.72" (43.7)

HBL7524C

Connector Bodies

Description	Cord Dia.	Catalog Numbers
Black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL7506C**

Accessories on page B-49.

2.78" (70.6)
1.53" (38.9)
1.41" (35.8)

HBL7506C

Receptacles

Description	Catalog Numbers
Duplex, flush, black phenolic.	**HBL7540**
Single, flush, black phenolic.	**HBL7535**
Single, panel mount, 1¹⁵⁄₁₆" (49.2) centers, black phenolic.	**HBL7498**

Accessories on pages B-48 and B-49.

Flanged Receptacles

Description	Catalog Numbers
Insulgrip nylon casing, backwired. Multiple drive screws.	**HBL7526C**
Metal flange, stainless steel casing, black phenolic, exposed terminals.	**HBL7526**

Accessories on pages B-48 and B-49.

1.00" (25.4)
3.28" (83.3)
#6-32 TAP
1.53" (38.8)
2.75" (69.9)
1.11" (28.2)
1.19" (30.2)
1.33" (33.8)

HBL7540

*Notes: Only receptacles and plugs are HP rated.
HP ratings are AC only.*

2.56" (65.0)
2.19" (55.6)
.16" (4.1) DIA.
1.69" (42.9)
1.72" (43.7)

HBL7526C

#8-32 TAP
1.00" (25.4)
1.94" (49.3)
1.39" (35.3)
1.63" (41.4)
1.39" (35.3)
1.19" (30.2)

HBL7498

1.00" (25.4)
3.28" (83.3)
2.38" (60.5)
1.39" (35.3)
1.63" (41.4)
#6-32 TAP
1.19" (30.2)

HBL7535

Twist-Lock® Devices
15 Ampere, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire Grounding
Insulgrip® Plugs and Flanged Inlets

IP20
SUITABILITY

| | 15A 125V NEMA L5-15P UL/CSA 0.5 HP | 15A 250V NEMA L6-15P UL/CSA 1.5 HP | 15A 277V AC NEMA L7-15P UL/CSA 2 HP |

1.91" (48.5)

1.53" (38.9)

HBL4720C

1.22" (30.9)

2.11" (53.6)

1.53" (38.9)

HBL4720CA

2.63" (66.8)

1.56" (39.6)

HBL24W47

Plugs

Description	Cord Dia.	Catalog Numbers		
Insulgrip plug, black and white nylon. Multiple drive screws. *Fed Spec WC596*	.230"-.720" (5.8-18.3)	HBL4720C™	HBL4570C	HBL4770C
All black nylon.	.230"-.720" (5.8-18.3)	HBL4720CBK	–	–
Insulgrip angle plug, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	HBL4720CA	HBL4570CA	HBL4770CA
Insulgrip plug, corrosion resistant, yellow and white nylon. Multiple drive screws. *Fed Spec WC596*	.230"-.720" (5.8-18.3)	HBL47CM20C	HBL45CM70C	HBL47CM70C
Elastogrip® plug, yellow elastomer, dust tight.	300"-.655" (7.6-16.6)	HBL2447	–	–
Elastogrip plug, yellow elastomer, water/dust tight.	300"-.655" (7.6-16.6)	HBL24W47	–	–
Valise® plug, yellow nylon.	.220"-.660" (5.6-16.8)	HBL4723VY	HBL4573VY	HBL4773VY
Valise® plug, black nylon.	.220"-.660" (5.6-16.8)	HBL4723VBK	HBL4573VBK	HBL4773VBK

Accessories on page B-49.

1.88" (47.8)

1.50" (38.1)

HBL4723VY

2.56" (52.3)

2.19" (55.6)

.16" (4.1) DIA.

1.72" (43.7)

1.69" (42.9)

HBL4716C

2.31" (58.7)

1.94" (49.3)

.16" (4.1) DIA.

1.75" (44.5)

1.09" (27.7)

1.50" (38.1)

HBL4716

Flanged Inlets

Description	Catalog Numbers		
Insulgrip flanged inlet, nylon casing, back wired.	HBL4716C	HBL4586C	HBL4786C
Stainless steel casing, brown phenolic.	HBL4716*	HBL4586*	HBL4786*
Corrosion resistant, stainless steel casing, yellow melamine.	HBL47CM16*	–	–

Accessories on page B-48.

Notes: HP ratings are AC only.
Only plugs are HP rated.
For technical information on Insulgrip devices see page B-69.
*These flanged inlets will not accept Valise® connector bodies.

Twist-Lock® Devices
15 Ampere, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire Grounding
Insulgrip® Connector Bodies and Receptacles

IP20
SUITABILITY

15A 125V
NEMA L5-15R
UL/CSA

15A 250V
NEMA L6-15R
UL/CSA

15A 277V AC
NEMA L7-15R
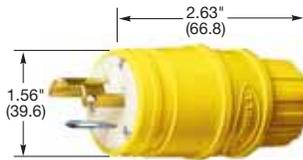UL/CSA

Connector Bodies

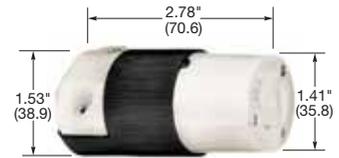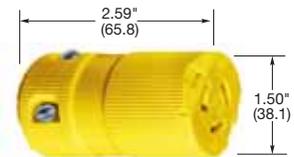| Description	Cord Dia.	Catalog Numbers		
Insulgrip connector body, black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	HBL4729C™	HBL4579C	HBL4779C
All black nylon.	.230"-.720" (5.8-18.3)	HBL4729CBK	–	–
Insulgrip connector body, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	HBL4729CA	–	–
Insulgrip connector body, corrosion resistant, yellow and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	HBL47CM29C	HBL45CM79C	HBL47CM79C
Elastogrip connector body, yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	HBL2547	–	–
Elastogrip® connector body, yellow elastomer, water/dust tight.	.300"-.655" (7.6-16.6)	HBL25W47**	–	–
Valise® connector body, yellow nylon.	.220"-.660" (5.6-16.8)	HBL4729VY	HBL4579VY	HBL4779VY
Valise® connector body, black nylon.	.220"-.660" (5.6-16.8)	HBL4729VBK	HBL4579VBK	HBL4779VBK

Accessories on page B-49.

2.78" (70.6)
1.53" (38.9)
1.41" (35.8)
HBL4729C

1.75" (44.5)
4.00" (101.6)
HBL25W47

2.59" (65.8)
1.50" (38.1)
HBL4729VY

Receptacles, Back and Side Wired

Description	Catalog Numbers		
Duplex, flush, brown RTP face.	HBL4700*	HBL4550*	HBL4750*
Duplex, flush, ivory RTP face.	HBL4700I*	–	–
Duplex, ring terminal connection.	HBL4700RT*	HBL4550RT*	–
Duplex, isolated ground, flush, orange RTP face.	IG4700A*	IG4550A*	–
Duplex, corrosion resistant, yellow RTP face.	HBL47CM00*	–	–
Single, flush, black nylon face.	HBL4710	HBL4560	HBL4760
Same as HBL4760 without mounting screws, ears. Terminal screws backed out.	–	–	HBL4760C
Single, ring terminal connection.	HBL4710RT	HBL4560RT	–
Single, isolated ground, flush, orange nylon face.	IG4710	IG4560	
Single, black nylon face mounted on a 4" (101.6) round box cover.	HBL4711	–	HBL4761
Single, panel mount, black nylon face, side wired only, 1.75" or 1.937" (44.5 or 49.2) mounting centers.	HBL4713	HBL4563	HBL4763

Accessories on pages B-48 and B-49.

1.70" (43.2)
3.28" (83.3)
2.735" (69.5)
HBL4700

1.27" (32.3)
2.38" (60.5) 1.38" (35.1)
3.28" (83.3)
HBL4710

Flanged Receptacles

Description	Catalog Numbers		
Insulgrip flanged receptacle, nylon casing, back wired.	HBL4715C	HBL4585C	HBL4785C
Stainless steel casing, brown phenolic.	HBL4715	HBL4585	HBL4785
Corrosion resistant, stainless steel casing, yellow melamine.	HBL47CM15	–	–

Accessories on pages B-48 and B-49.

Notes: HP ratings are AC only.
   RTP is an abbreviation for reinforced thermoplastic polyester.
   See section J for full line of isolated ground devices.
   *Supplied with break-off tabs for split circuit wiring.
   **Watertight connector body IP55 suitability when closure plug
     inserted or when installed and used properly with watertight plug.

2.31" (58.7)
1.94" (49.3)
.16" (4.1) DIA.
1.75" (44.5)
1.36" (34.5)
1.50" (38.1)
HBL4715

2.56" (65.0)
2.19" (55.6)
.16" (4.1) DIA.
1.72" (43.7)
1.69" (42.9)
HBL4715C

Twist-Lock® Devices
20 and 30 Ampere Plugs and Connector Bodies
The Difference Is Insulgrip®...and a Whole Lot More
Features and Benefits

Improved terminations include #10 multiple drive screws and thicker .080" clamping nuts.
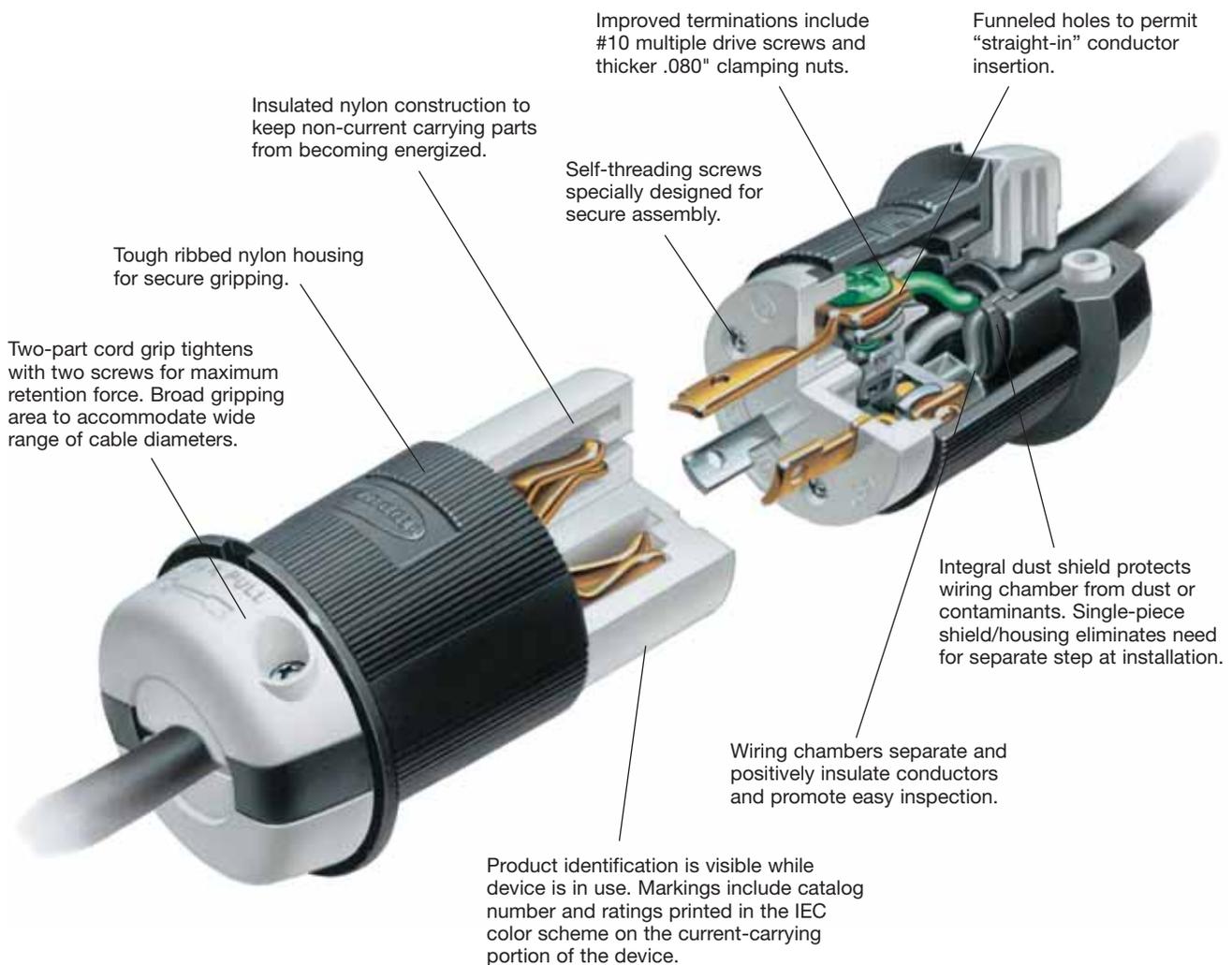
Funneled holes to permit "straight-in" conductor insertion.

Insulated nylon construction to keep non-current carrying parts from becoming energized.

Self-threading screws specially designed for secure assembly.

Tough ribbed nylon housing for secure gripping.

Two-part cord grip tightens with two screws for maximum retention force. Broad gripping area to accommodate wide range of cable diameters.

Integral dust shield protects wiring chamber from dust or contaminants. Single-piece shield/housing eliminates need for separate step at installation.

Wiring chambers separate and positively insulate conductors and promote easy inspection.

Product identification is visible while device is in use. Markings include catalog number and ratings printed in the IEC color scheme on the current-carrying portion of the device.

Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the '*industry standard*'.

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The restyled cord grips provide a clean, one-piece look, and actually make it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration,

eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.

Twist-Lock® Devices
The Standard for Locking Receptacles
Features and Benefits

Face color coding by voltage facilitates locating and mating of proper devices.

All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems.

High-impact, abuse-resistant nylon face.

Boss diameter is 1.562" on 20 and 30A devices for simplifying installation and accessory selection.

Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection.

Glass-Reinforced thermoplastic polyester base (RTP) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability. The impact resistance it provides, however, is much greater than that of a thermoset.

One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms.

#10 silicon bronze terminal screw provides greater strength and resistance to corrosion and stripping. Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used. Accommodates both back and side wiring.

Twist-Lock receptacles combine functional design features, unparalleled quality to deliver pace-setting performance.

The high-impact nylon face of each Hubbell Twist-Lock® receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external backwiring "wraparound" clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they're the standard of the industry.
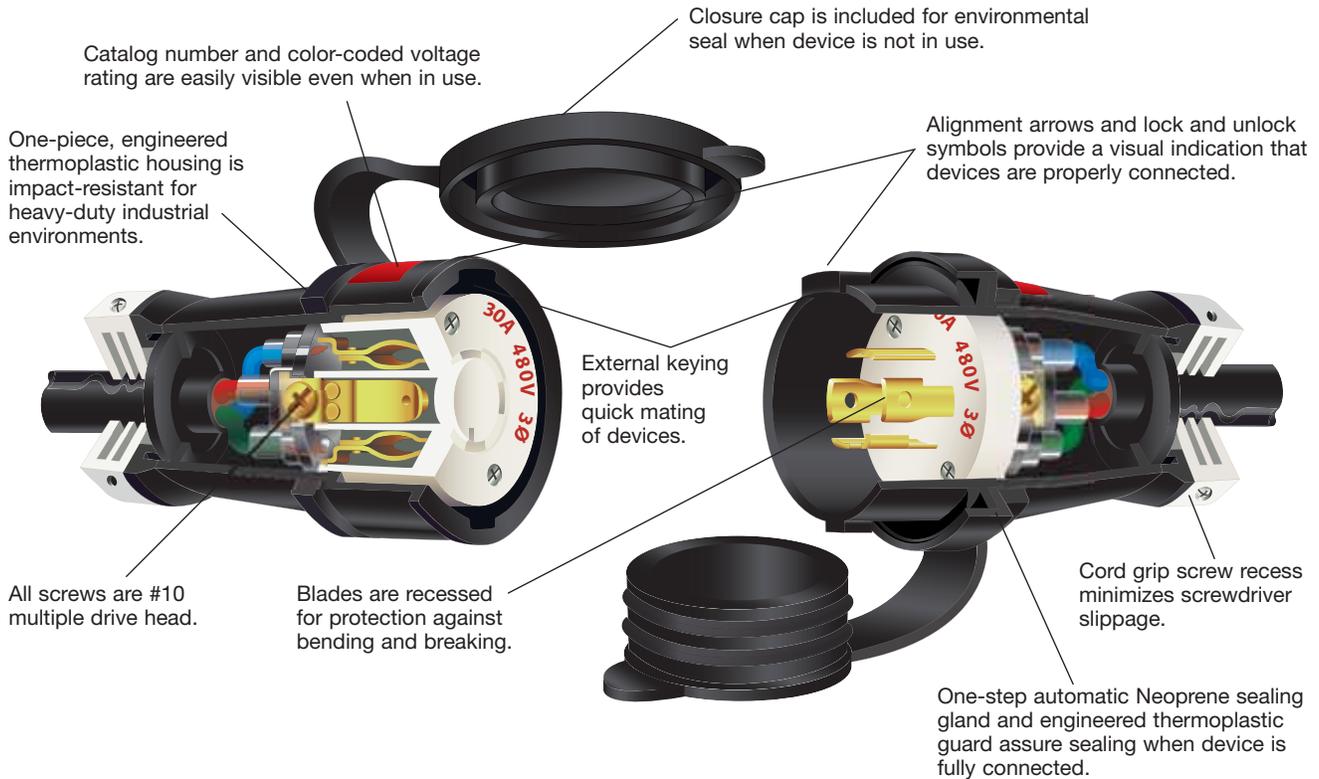
| 125V | 250V | 277V AC | 480V AC | 600V AC | 125/250V |

Twist-Lock® Devices
Watertight Safety-Shroud® Twist-Lock® System
Plugs, Flanged Inlets, Connector Bodies and Receptacles
Features and Benefits

Catalog number and color-coded voltage rating are easily visible even when in use.

Closure cap is included for environmental seal when device is not in use.

One-piece, engineered thermoplastic housing is impact-resistant for heavy-duty industrial environments.

Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected.

External keying provides quick mating of devices.

All screws are #10 multiple drive head.

Blades are recessed for protection against bending and breaking.

Cord grip screw recess minimizes screwdriver slippage.

One-step automatic Neoprene sealing gland and engineered thermoplastic guard assure sealing when device is fully connected.

Universal Neoprene Diaphragm Seal
Seal accommodates a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO.

Spring-Loaded Cover
One-step push-to-close spring-loaded cover with latch allows for fast opening and closing of lift cover. Result: environmental sealing is assured.

Panel or Box Mount Receptacles and Inlets
- High impact, thermoplastic housing for heavy-duty industrial environments.
- Catalog number and color-coded voltage rating are easily visible when in use.
- Stainless Steel 302/304, #10 multiple drive head mounting screws provide corrosion resistance.
- Mounting screw recesses minimize screwdriver slippage.
- Lockout/tagout hole on inlets allow compliance to OSHA regulation 29 CFR 1910.147.
- Neoprene closure cap provided with inlets for environmental seal when not in use.
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices.
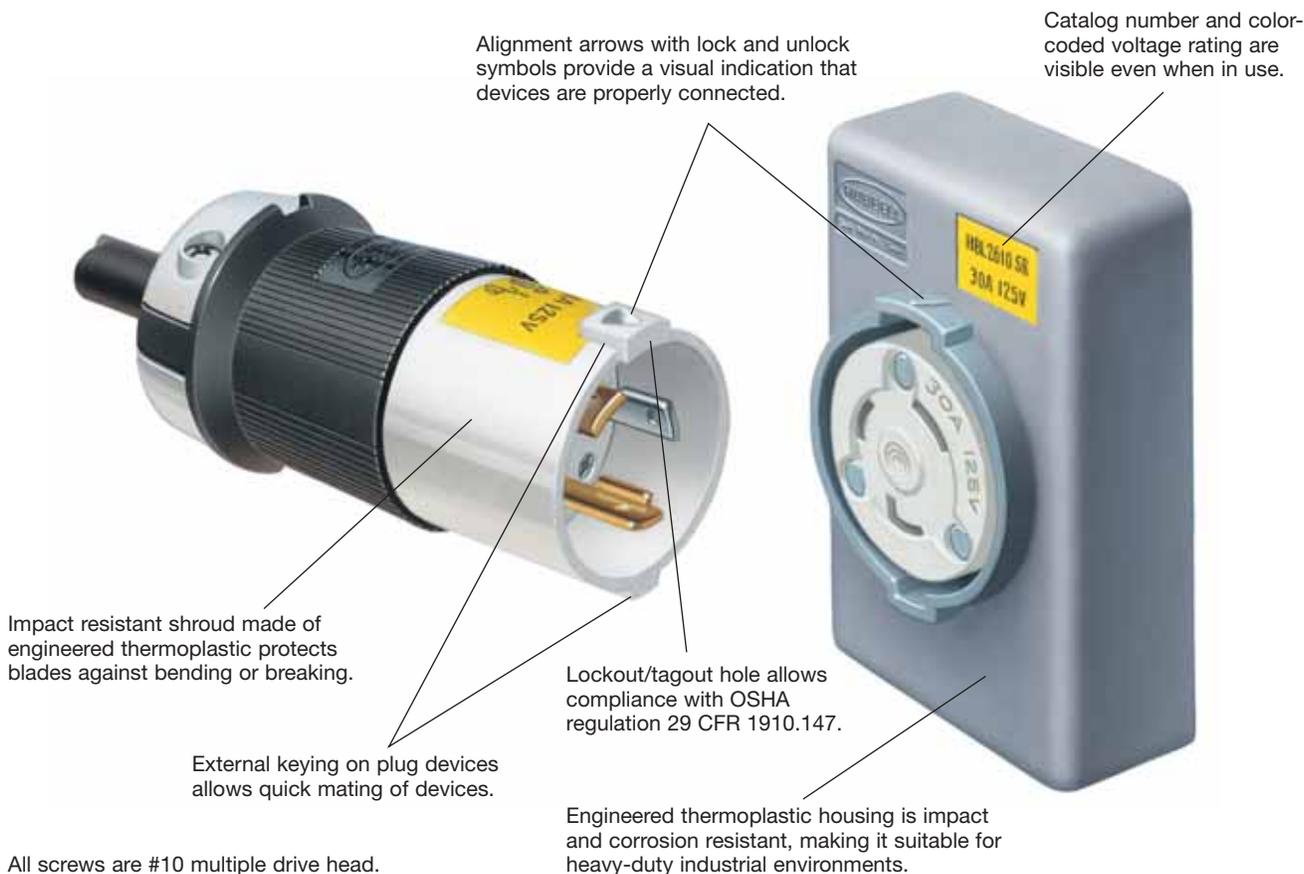
Safety-Shroud
- Virtually eliminates bent and broken plug blades, leading to longer equipment life.
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades.
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies.
- Reduces exposure to arcing when connecting or disconnecting plugs under load.
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts.
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147.
- Sealing gland and thermoplastic guard assure sealing when fully connected.

Twist-Lock® Devices
Safety-Shroud® Twist-Lock® System
Receptacles and Plugs
Features and Benefits

Alignment arrows with lock and unlock symbols provide a visual indication that devices are properly connected.

Catalog number and color-coded voltage rating are visible even when in use.

Impact resistant shroud made of engineered thermoplastic protects blades against bending or breaking.

Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147.

External keying on plug devices allows quick mating of devices.

Engineered thermoplastic housing is impact and corrosion resistant, making it suitable for heavy-duty industrial environments.

All screws are #10 multiple drive head.

Safety-Shroud Plug Features and Benefits

• Mates with most NEMA locking connector bodies.
• Virtually eliminates bent and broken plug blades.
• Provides protection for personnel by reducing chance of inadvertent contact with blades when connecting or disconnecting energized devices.
• Reduces exposure to arcing when connecting or disconnecting under load.

• Extends life of mating receptacles by eliminating damage caused by insertion of bent blades.
• Complies with California Code of Regulation, which requires shrouding for devices exceeding 300 volts.
• Lockout/tagout hole allows compliance to OSHA regulation 29 CFR 1910.147.
• Allows engagement with Mechanical Interlock Enclosure which virtually prevents make and break under load.

Semi-flush receptacle mounting provides lowest installed profile when plug is not in use with receptacle. This device is designed for installation on 2-gang boxes.

Straight receptacle housing provides a low installed profile when plug is not in use with receptacle. This device is designed for installation on single-gang boxes.

Angle receptacle housing provides low installed profile when plug is in use with receptacle. This device is designed for installation on single-gang boxes.

Receptacle Features and Benefits

• Internal keying on receptacles aligns blades for quick mating of devices.
• Accepts all NEMA locking plugs, allowing interchangeability with existing devices.

• Catalog number and color-coded voltage rating are visible when in use.
• All screws are #10 multiple drive head.

• Engineered thermoplastic housing is impact and corrosion-resistant, for use in heavy-duty industrial environments.

Twist-Lock® Devices
Compatibility and Environmental Protection Chart
Watertight Safety-Shroud®, Safety-Shroud and NEMA Devices

	Twist-Lock Receptacles					Twist-Lock Connector Bodies	
	Watertight Safety-Shroud	Watertight Safety-Shroud Mechanical Interlock Enclosure	Safety-Shroud	Switched Enclosure	NEMA	Watertight Safety-Shroud	Insulgrip
Twist-Lock Plugs							
Watertight Safety-Shroud	YES Type 4X, Type 12	YES Type 4X, Type 12K	YES Type 1	NO	NO	YES Type 4X, Type 12	YES Type 1
Safety-Shroud	YES Type 1	YES Type 1	YES Type 1	NO	NO	YES Type 1	YES Type 1
Insulgrip	YES Type 1	NO	YES Type 1	YES Type 3R	YES Type 1	YES Type 1	YES Type 1
Twist-Lock Inlets							
NEMA	NA	NA	NA	NA	NA	NO	YES Type 1
Watertight Safety-Shroud	NA	NA	NA	NA	NA	YES Type 4X, Type 12	YES Type 1

Type 1   Indoor
Type 3R   Raintight
Type 4X   Hose-directed water and corrosion resistant
Type 12   Dust tight, dripproof without knockouts
Type 12K   Dust tight, dripproof with knockouts
YES   Interchangeable
NO   Does not interchange
NA   Not Applicable

Note: Refer to section X for full description of enclosure types.

HUBBELL®   Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Twist-Lock® Devices
20 Ampere, 250 Volts
2 Pole, 2 Wire, Non-Grounding
Insulgrip® Plugs, Flanged Inlets, Connector Bodies and Receptacles

**20A 250V
NEMA L2-20P**
UL Listed
2 HP

Plugs

Description	Cord Dia.	Catalog Numbers
Black and white nylon, polarized. Multiple drive screws.	.220"-.720" (5.6-18.3)	**HBL7102C**

Accessories on page B-49.

Flanged Inlets

Description	Catalog Numbers
Nylon casing, back wired, polarized. Multiple drive screws.	**HBL8815C**

Accessories on page B-48.

**20A 250V
NEMA L2-20R**
UL Listed
2 HP

Connector Bodies

Description	Cord Dia.	Catalog Numbers
Black and white nylon. Multiple drive screws.	.220"-.720" (5.6-18.3)	**HBL7101C**

Accessories on page B-49.

Receptacles

Description	Catalog Numbers
Single, black phenolic.	**HBL7210B**
Single, mounted on 4" (101.6) round box cover, black phenolic.	**HBL7217B**

Accessories on pages B-48 and B-49.

Flanged Receptacles

Description	Catalog Numbers
Insulgrip nylon casing, back wired. Multiple drive screws.	**HBL8809C**
Metal flange, stainless steel casing, black phenolic, exposed terminals.	**HBL3226**

Accessories on pages B-48 and B-49.

*Notes: Only receptacles and plugs are HP rated.
        HP ratings are AC only.*

HBL7102C

1.91" (48.5)
1.53" (38.9)

HBL8815C

2.56" (65.0)
2.19" (55.6)
.16" (4.1) DIA.
1.72" (43.7)
1.69" (42.9)

HBL7101C

2.78" (70.6)
1.53" (38.9)
1.41" (35.8)

HBL7210B

1.30" (33.0)
1.41" (35.8)
2.09" (53.1)
1.39" (35.3)
2.38" (60.5)
3.28" (83.3)
1.11" (28.2)
#6-32 TAP

HBL8809C

2.56" (65.0)
2.19" (55.6)
.16" (4.1) DIA.
1.72" (43.7)
1.69" (42.9)

HBL3226

1.88" (47.8)
.16" (4.1) DIA.
1.83" (46.4)
1.42" (36.1)

Twist-Lock® Devices
20 Ampere, 125, 250 Volts and 277 Volts AC
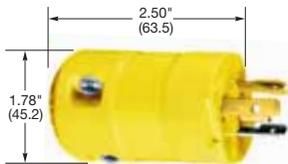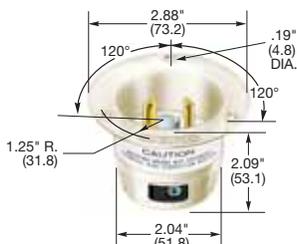*2 Pole, 3 Wire Grounding*
Insulgrip® Plugs and Flanged Inlets

| 20A 125V NEMA L5-20P UL/CSA 1 HP | 20A 250V NEMA L6-20P UL/CSA 2 HP | 20A 277V AC NEMA L7-20P UL/CSA 2 HP |

2.78" (70.6)

4.50" (114.3)

HBL2321SW

2.04" (51.8)

2.26" (57.4)

3.97" (100.8)

HBL2321S

2.75" (69.9)

1.97" (50.0)

2.26" (57.4)

HBL2311

2.50" (63.5)

1.78" (45.2)

HBL2311VY

2.28" (57.9)

3.75" (95.3)

1.63" (41.4)

3.75" (95.3)

HBL2325SW

2.88" (73.2)

.19" (4.8) DIA.

120°

120°

1.25" R. (31.8)

2.09" (53.1)

2.04" (51.8)

HBL2315

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	**HBL2311SW**	**HBL2321SW**	**HBL2331SW**

Safety-Shroud   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"-.930" (9-24)	**HBL2311S**	**HBL2321S**	**HBL2331S**

Accessories on page B-40.

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.360"-.930" (9-24)	**HBL2311**	**HBL2321**	**HBL2331**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL23CM11**	**HBL23CM21**	–
All black nylon.	.360"-.930" (9-24)	**HBL2311BK**	**HBL2321BK**	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	**HBL2311EBK**	**HBL2321EBK**	–

Accessories on page B-51.

Valise®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Yellow nylon.	.325"-.720" (8.26-18.3)	**HBL2311VY**	**HBL2321VY**	**HBL2331VY**
Corrosion resistant, yellow nylon.	.325"-.720" (8.26-18.3)	**HBL23CM11V**	–	–
Black nylon.	.325"-.720" (8.26-18.3)	**HBL2311VBK**	**HBL2321VBK**	**HBL2331VBK**

Accessories on page B-51.

Flanged Inlets

Watertight Safety-Shroud   IP66 SUITABILITY

Description	Catalog Numbers		
Gray Valox® housing and flange.	**HBL2315SW**	**HBL2325SW**	**HBL2335SW**

Accessories on page B-54.

Insulgrip   IP20 SUITABILITY

Description	Catalog Numbers		
Nylon casing, back wired.	**HBL2315**	**HBL2325**	**HBL2335**

Accessories on page B-50.

Notes: For technical information on Twist-Lock® and Watertight Safety-Shroud Devices see pages B-69 and B-70. For technical information on Valise plugs and connectors see page B-74.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
20 Ampere, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire Grounding
Insulgrip® Connector Bodies and Receptacles

20A 125V
NEMA L5-20R
UL/CSA
1 HP

20A 250V
NEMA L6-20R
UL/CSA
2 HP

20A 277V AC
NEMA L7-20R
UL/CSA
2 HP

Connector Bodies

Watertight Safety-Shroud®		IP66 SUITABILITY		
Description	Cord Dia.	Catalog Numbers		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	HBL2313SW	HBL2323SW	HBL2333SW

Insulgrip		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.360"-.930" (9-24)	HBL2313	HBL2323	HBL2333
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL23CM13	HBL23CM23	–
All black nylon.	.360"-.930" (9-24)	HBL2313BK	HBL2323BK	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	HBL2313EBK	HBL2323EBK	–

Accessories on page B-51.

Valise®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Numbers		
Yellow nylon.	.325"-.720" (8.26-18.3)	HBL2313VY	HBL2323VY	–
Black nylon.	.325"-.720" (8.26-18.3)	HBL2313VBK	HBL2323VBK	HBL2333VBK

Accessories on page B-51.

Receptacles

Watertight Safety-Shroud, Back Wired	IP66 SUITABILITY		
Description	Catalog Numbers		
Gray Valox® housing and flange.	HBL2310SW	HBL2320SW	HBL2330SW

Accessories on page B-54.

Safety-Shroud Twist-Lock, Back Wired	IP20 SUITABILITY		
Description	Catalog Numbers		
Gray Valox® angle housing, one gang.	HBL2310AR	HBL2320AR	HBL2330AR
Gray Valox® surface mounting, one gang.	HBL2310SR	HBL2320SR	HBL2330SR
Gray Valox® semi-flush, two gang.	HBL2310SR2	HBL2320SR2	HBL2330SR2

Accessories on page B-54.

Single Flush, Back and Side Wired	IP20 SUITABILITY		
Description	Catalog Numbers		
Black nylon face.	HBL2310	HBL2320	HBL2330
Isolated ground, orange nylon face.	IG2310	IG2320	–
Corrosion resistant, yellow nylon face.	HBL23CM10	–	–
Ring teminal connection.	HBL2310RT	HBL2320RT	–

Accessories on page B-50.

Insulgrip Flanged Receptacles

Description	Catalog Numbers		
Nylon casing, back wired.	HBL2316	HBL2326	HBL2336

Accessories on page B-50.

2.56" (65.0)
4.38" (111.1)
HBL2323SW

3.86" (98.0)
2.26" (57.4)
1.97" (50.0)
HBL2313

2.60" (66.0)
1.78" (45.2)
HBL2313VY

2.69" (68.3)
3.75" (95.3)
3.75" (95.3)
1.50" (38.1)
HBL2320SW

3.14" (79.8)
4.57" (116.1)
2.88" (73.2)
HBL2320AR

2.88" (73.2)
.19" (4.8) DIA.
120°
120°
1.25" R. (31.8)
2.09" (53.1)
2.04" (51.8)
HBL2316

1.70" (43.2)
1.23" (31.2)
2.67" (67.8)
1.56" (39.6)
2.38" (60.5)
3.28" (83.3)
.98" (24.9)
#6-32 TAP
HBL2310

.77" (19.6)
5.12" (130.0)
5.12" (130.0)
HBL2320SR2

1.58" (40.1)
4.56" (115.8)
2.84" (72.1)
HBL2320SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
20 Ampere, 125/250 Volts 3Ø 250 and 3Ø 480 Volts AC
3 Pole, 4 Wire Grounding
Insulgrip® Plugs and Flanged Inlets

20A 125/250V AC
NEMA L14-20P
UL/CSA
2 (1) HP

20A 3Ø 250V AC
NEMA L15-20P
UL/CSA
3 HP

20A 3Ø 480V AC
NEMA L16-20P
UL/CSA
5 HP

2.94"
(74.7)

4.50"
(114.3)

HBL2421SW

2.21"
(56.1)

2.33"
(59.2)

4.12"
(104.6)

HBL2421S

2.75"
(69.9)

2.21"
(56.1)

2.33"
(59.2)

HBL2411

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	HBL2411SW	HBL2421SW	HBL2431SW

Safety-Shroud   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.35"-1.15" (9-29)	HBL2411S	HBL2421S	HBL2431S

Accessories on page B-40.

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	HBL2411	HBL2421	HBL2431
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	HBL24CM11	HBL24CM21	HBL24CM31
All black nylon.	.35"-1.15" (9-29)	HBL2411BK	–	–

Accessories on page B-53.

2.44"
(62.0)

3.75"
(95.3)

1.81"
(46.0)

3.75"
(95.3)

HBL2425SW

Flanged Inlets

Watertight Safety-Shroud   IP66 SUITABILITY

Description	Catalog Numbers		
Gray Valox® housing and flange.	HBL2415SW	HBL2425SW	HBL2435SW

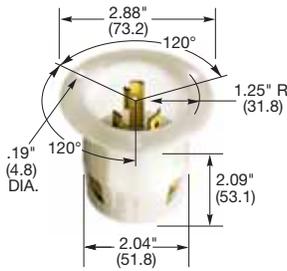*Accessories on page B-54.*

Insulgrip   IP20 SUITABILITY

Description	Catalog Numbers		
Nylon casing, back wired.	HBL2415	HBL2425	HBL2435

Accessories on page B-52.

Notes: For technical information on Twist-Lock® and Watertight Safety-Shroud Devices see pages B-69 and B-70.

3.06"
(77.7)

120°

1.34" R.
(34.0)

.19"
(4.8)
DIA.

120°

2.27"
(57.7)

2.23"
(56.6)

HBL2415

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HUBBELL®

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Twist-Lock® Devices
20 Ampere, 125/250 Volts 3Ø 250 and 3Ø 480 Volts AC
3 Pole, 4 Wire Grounding
Insulgrip® Connector Bodies and Receptacles

20A 125/250V NEMA L14-20R UL/CSA 2 (1) HP
20A 3Ø 250V AC NEMA L15-20R UL/CSA 3 HP
20A 3Ø 480V AC NEMA L16-20R UL/CSA 5 HP

Connector Bodies

Watertight Safety-Shroud® IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	HBL2413SW	HBL2423SW	HBL2433SW

Insulgrip IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	HBL2413	HBL2423	HBL2433
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29	HBL24CM13	HBL24CM23	HBL24CM33
All black nylon.	.35"-1.15" (9-29)	HBL2413BK	–	–

Accessories on page B-53.

HBL2423SW
2.75" (69.9) 4.38" (111.1)

HBL2413
3.86" (98.0) 2.33" (59.2) 2.21" (56.1)

Receptacles

Watertight Safety-Shroud, Back Wired IP66 SUITABILITY

Description	Catalog Numbers		
Gray Valox® housing and flange.	HBL2410SW	HBL2420SW	HBL2430SW

Accessories on page B-54.

Safety-Shroud Twist-Lock, Back Wired IP20 SUITABILITY

Description	Catalog Numbers		
Gray Valox® angle housing, one gang.	HBL2410AR	HBL2420AR	HBL2430AR
Gray Valox® surface mounting, one gang.	HBL2410SR	HBL2420SR	HBL2430SR
Gray Valox® semi-flush, two gang.	HBL2410SR2	HBL2420SR2	HBL2430SR2

Accessories on page B-54.

Single Flush, Back and Side Wired IP20 SUITABILITY

Description	Catalog Numbers		
Black nylon face.	HBL2410	HBL2420	HBL2430
Isolated ground, orange nylon face.	IG2410	IG2420	–
Ring teminal connection.	HBL2410RT	HBL2420RT	–

Accessories on page B-52.

Insulgrip Flanged Receptacles

Description	Catalog Numbers		
Nylon casing, back wired.	HBL2416	HBL2426	HBL2436

Accessories on page B-52.

HBL2420SW
2.91" (73.9) 3.75" (95.3) 3.75" (95.3) 1.75" (44.5)

HBL2420AR
3.14" (79.8) 4.57" (116.1) 2.85" (72.4)

HBL2416
3.06" (77.7) 120° 1.34" R (34.0) .19" (4.8) 120° DIA. 2.27" (57.7) 2.23" (56.6)

HBL2410
1.70" (43.2) 1.23" (31.2) 2.67" (67.8) 1.56" (39.6) 2.38" (60.5) 3.28" (83.3) #6-32 TAP .98" (24.9)

HBL2420SR2
.77" (19.6) 5.12" (130.0) 5.12" (130.0)

HBL2420SR
1.71" (43.4) 4.56" (115.8) 2.84" (72.1)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
20 Ampere, 347, 480 and 600 Volts AC
2 Pole, 3 Wire Grounding
Insulgrip® Plugs, Flanged Inlets, Connector Bodies and Receptacles

2.75"
(69.9)

1.97"
(50.0)

2.26"
(57.4)

HBL2341

2.88"
(73.2)

120°

1.25" R.
(31.8)

.19"
(4.8)
DIA.

120°

2.09"
(53.1)

2.04"
(51.8)

HBL2345

3.86"
(98.0)

2.26"
(57.4)

1.97"
(50.0)

HBL2343

1.70"
(43.2)

1.23"
(31.2)

2.67"
(67.8)

1.56" **2.38"** **3.28"**
(39.6) (60.5) (83.3)

.98"
(24.9)

#6-32 TAP

HBL2340

2.88"
(73.2)

120°

1.25" R.
(31.8)

120°

.19"
(4.8)
DIA.

2.09"
(53.1)

2.04"
(51.8)

HBL2346

IP20
SUITABILITY

20A 347V AC NEMA L24-20P UL/CSA	20A 480V AC NEMA L8-20P UL/CSA 3 HP	20A 600V AC NEMA L9-20P UL/CSA

Plugs

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.360"-.930" (9-24)	**HBL3721**	**HBL2341**	**HBL2351**

Accessories on page B-51.

Flanged Inlets

Description	Catalog Numbers		
Nylon casing, back wired.	**HBL3725**	**HBL2345**	**HBL2355**

Accessories on page B-50.

IP20
SUITABILITY

20A 347V AC NEMA L24-20R UL/CSA	20A 480V AC NEMA L8-20R UL/CSA 3 HP	20A 600V AC NEMA L9-20R UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.360"-.930" (9-24)	**HBL3723**	**HBL2343**	**HBL2353**

Accessories on page B-51.

Single Flush Receptacles, Back and Side Wired

Description	Catalog Numbers		
Black nylon face.	**HBL3720**	**HBL2340**	**HBL2350**
Isolated ground, orange nylon face.	**–**	**IG2340**	**–**

Accessories on page B-50.

Flanged Receptacles

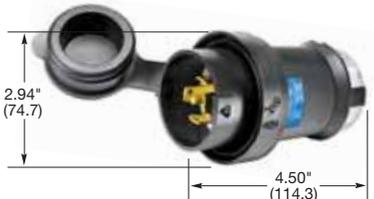| Description	Catalog Numbers		
Nylon casing, back wired.	**HBL3726**	**HBL2346**	**HBL2356**

Accessories on page B-50.

Notes: Only receptacles and plugs up to 480V AC are HP rated.
For technical information see page B-69.
See page B-37 for switched enclosure.
See page B-40 for Add-A-Shroud™ kit. For use with connector bodies.
HP ratings are AC only.

HUBBELL®

Wiring Device-Kellems

www.hubbell-wiring.com

Dimensions in Inches (mm)

Twist-Lock® Devices
20 Ampere, 3Ø Y 120/208, 277/480 and 347/600 Volts AC
4 Pole, 4 Wire Non-Grounding
Insulgrip® Plugs, Flanged Inlets, Connector Bodies and Receptacles
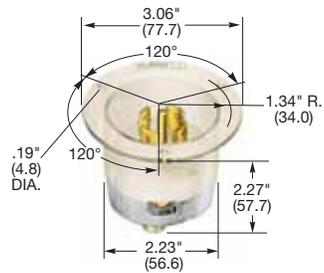
IP20
SUITABILITY

20A 3ØY 120/208V AC NEMA L18-20P UL Listed 2 HP	20A 3ØY 277/480V AC NEMA L19-20P UL Listed 5 HP	20A 3ØY 347/600V AC NEMA L20-20P UL Listed

Plugs

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	HBL2441	HBL2451	HBL2461

Accessories on page B-53.

HBL2441

Flanged Inlets

Description	Catalog Numbers		
Nylon casing, back wired.	HBL2445	HBL2455	HBL2465

Accessories on page B-52.

IP20
SUITABILITY

20A 3ØY 120/208V AC NEMA L18-20R UL Listed 2 HP	20A 3ØY 277/480V AC NEMA L19-20R UL Listed 5 HP	20A 3ØY 347/600V AC NEMA L20-20R UL Listed

HBL2445

Connector Bodies

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	HBL2443	HBL2453	HBL2463

Accessories on page B-53.

HBL2443

Single Flush Receptacles, Back and Side Wired

Description	Catalog Numbers		
Black nylon face.	HBL2440	HBL2450	HBL2460

Accessories on page B-52.

Flanged Receptacles

Description	Catalog Numbers		
Nylon casing, back wired.	HBL2446	HBL2456	HBL2466

Accessories on page B-52.

Notes: Only receptacles and plugs up to 480V AC are HP rated.
For technical information see page B-69.
See page B-37 for switched enclosure.
See page B-40 for Add-A-Shroud™ kit. For use with connector bodies.
HP ratings are AC only.

HBL2440

HBL2446

Twist-Lock® Devices
20 Ampere, 3Ø Y 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire Grounding
Insulgrip® Plugs and Flanged Inlets

20A 3ØY 120/208V AC NEMA L21-20P UL/CSA 2 HP

20A 3ØY 277/480V AC NEMA L22-20P UL/CSA 5 HP

20A 3ØY 347/600V AC NEMA L23-20P UL/CSA

2.94" (74.7)
4.50" (114.3)
HBL2511SW

2.21" (56.1)
2.33" (59.3)
4.12" (104.6)
HBL2511S

2.75" (69.8)
2.21" (56.1)
2.33" (59.2)
HBL2511

2.44" (62.0)
3.75" (95.3)
1.81" (46.0)
3.75" (95.3)
HBL2515SW

3.06" (77.7)
120°
1.34" R. (34.0)
.19" (4.8) DIA.
120°
2.27" (57.7)
2.23" (56.6)
HBL2515

Plugs

Watertight Safety-Shroud® — IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	HBL2511SW	–	–

Safety-Shroud — IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.35"-1.15" (9-29)	HBL2511S	–	–

Accessories on page B-40.

Insulgrip — IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	HBL2511	HBL2521	HBL2531
All black nylon.	.35"-1.15" (9-29)	HBL2511BK	–	–
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	HBL25CM11	–	–
Black and white for flat cable.	.35"-1.15" (9-29)	HBL2511FC	–	–

Accessories on page B-53.

Flanged Inlets

Watertight Safety-Shroud — IP66 SUITABILITY

Description	Catalog Numbers		
Gray Valox® housing and flange.	HBL2515SW	–	–

Accessories on page B-52.

Insulgrip — IP20 SUITABILITY

Description	Catalog Numbers		
Nylon casing, back wired.	HBL2515	HBL2525	HBL2535

Accessories on page B-52.

Notes: For technical information on Twist-Lock® and Watertight Safety-Shroud Devices see pages B-69 and B-70.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
20 Ampere, 3Ø Y 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire Grounding
Insulgrip® Connector Bodies and Receptacles

20A 3ØY 120/208V AC NEMA L21-20R UL/CSA 2 HP

20A 3ØY 277/480V AC NEMA L22-20R UL/CSA 5 HP

20A 3ØY 347/600V AC NEMA L23-20R UL/CSA

Connector Bodies

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	**HBL2513SW**	–	–

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	**HBL2513**	**HBL2523**	**HBL2533**
All black nylon.	.35"-1.15" (9-29)	**HBL2513BK**	–	–
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29	**HBL25CM13**	–	–
Black and white for flat cable.	.35"-1.15" (9-29)	**HBL2513FC**	–	–

Accessories on page B-53.

HBL2513SW

2.75" (69.9) 4.38" (111.1)

HBL2513

2.33" (59.3) 2.21" (56.1) 3.86" (98.0)

Receptacles

Watertight Safety-Shroud, Back Wired   IP66 SUITABILITY

Description	Catalog Numbers		
Gray Valox® housing and flange.	**HBL2510SW**	–	–

Accessories on page B-54.

Safety-Shroud Twist-Lock, Back Wired   IP20 SUITABILITY

Description	Catalog Numbers		
Gray Valox® angle housing, one gang.	**HBL2510AR**	–	–
Gray Valox® surface mounting, one gang.	**HBL2510SR**	–	–
Gray Valox® semi-flush, two gang.	**HBL2510SR2**	–	–

Accessories on page B-54.

Single Flush, Back and Side Wired   IP20 SUITABILITY

Description	Catalog Numbers		
Black nylon face.	**HBL2510**	**HBL2520***	**HBL2530***
Isolated ground, orange nylon face.	**IG2510**	–	–

Accessories on page B-52.

Insulgrip Flanged Receptacles

Description	Catalog Numbers		
Nylon casing, back wired.	**HBL2516**	**HBL2526**	**HBL2536**

Accessories on page B-52.

*Note: * Not Fed Spec.*

HBL2510SW

2.91" (73.9) 3.75" (95.3) 3.75" (95.3) 1.75" (44.5)

HBL2510AR

3.14" (79.8) 4.57" (116.1) 2.88" (73.2)

HBL2516

3.06" (77.7) 120° 1.34" R. (34.0) .19" (4.8) DIA. 120° 2.27" (57.7) 2.23" (56.6)

HBL2510

1.70" (43.2) 1.23" (31.2) 2.67" (67.8) 1.56" (39.6) 2.38" (60.5) 3.28" (83.3) #6-32 TAP .98" (24.9)

HBL2510SR2

.77" (19.6) 5.12" (130.0) 5.12" (130.0)

HBL2510SR

1.71" (43.4) 4.56" (115.8) 2.84" (72.1)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
30 Ampere, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire Grounding
Insulgrip® Plugs and Flanged Inlets

30A 125V
NEMA L5-30P
UL/CSA
2 HP

30A 250V
NEMA L6-30P
UL/CSA
2 HP

20A 277V AC
NEMA L7-20P
UL/CSA
2 HP

2.78"
(70.6)

4.50"
(114.3)

HBL2611SW

2.04"
(51.8)

2.26"
(57.4)

3.97"
(100.8)

HBL2621S

2.75"
(69.9)

1.97"
(50.0)

2.26"
(57.4)

HBL2621

2.50"
(63.5)

1.78"
(45.2)

HBL2611VY

2.28"
(57.9)

3.75"
(95.3)

1.63"
(41.4)

3.75"
(95.3)

HBL2615SW

2.88"
(73.2)

120°

1.25" R.
(31.8)

.19"
(4.8)
DIA.

120°

2.09"
(53.1)

2.04"
(51.8)

HBL2625

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black Valox® housing, white Valox® clamps.	.325"-.930" (9-24)	**HBL2611SW**	**HBL2621SW**	–

Safety-Shroud   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"-.930" (9-24)	**HBL2611S**	**HBL2621S**	–

Accessories on page B-40.

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.360"-.930" (9-24)	**HBL2611**	**HBL2621**	**HBL2631**
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	**HBL2611F**	**HBL2621F**	–
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL26CM11**	**HBL26CM21**	–
All black nylon.	.360"-.930" (9-24)	**HBL2611BK**	**HBL2621BK**	–

Accessories on page B-51.

Valise®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Yellow nylon.	.590"-.930" (15.0-23.6)	**HBL2611VY**	**HBL2621VY**	–
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	**HBL26CM11V**	–	–
Black nylon.	.590"-.930" (15.0-23.6)	**HBL2611VBK**	**HBL2621VBK**	–

Accessories on page B-51.

Flanged Inlets

Watertight Safety-Shroud   IP66 SUITABILITY

Description	Catalog Numbers		
Gray Valox® housing and flange.	**HBL2615SW**	**HBL2625SW**	–

Accessories on page B-54.

Insulgrip   IP20 SUITABILITY

Description	Catalog Numbers		
Nylon casing, back wired.	**HBL2615**	**HBL2625**	**HBL2635**
Heat stabilized, gray nylon, 220° F (104° C).	**HBL2615F**	**HBL2625F**	–

Accessories on page B-50.

Notes: For technical information on Twist-Lock® and Watertight Safety-Shroud Devices see pages B-69 and 70. For technical information on Valise plugs and connectors see page B-74.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
30 Ampere, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire Grounding
Insulgrip® Connector Bodies and Receptacles

30A 125V
NEMA L5-30R
UL/CSA
2 HP

30A 250V
NEMA L6-30R
UL/CSA
2 HP

30A 277V AC
NEMA L7-30R
UL/CSA
3 HP

Connector Bodies

Watertight Safety-Shroud®		IP66 SUITABILITY	
Description	**Cord Dia.**	**Catalog Numbers**	
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	HBL2613SW	HBL2623SW	–

Insulgrip		IP20 SUITABILITY	
Description	**Cord Dia.**	**Catalog Numbers**	
Black and white nylon.	.360"-.930" (9-24)	HBL2613	HBL2623	HBL2633
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	HBL2613F	HBL2623F	–
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL26CM13	HBL26CM23	–
All black nylon.	.360"-.930" (9-24)	HBL2613BK	HBL2623BK	–

Accessories on page B-51.

Valise®		IP20 SUITABILITY	
Description	**Cord Dia.**	**Catalog Numbers**	
Yellow nylon.	.590"-.930" (15.0-23.6)	HBL2613VY	HBL2623VY	–
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	HBL26CM13V	–	–
Black nylon.	.590"-.930" (15.0-23.6)	HBL2613VBK	HBL2623VBK	–

Accessories on page B-51.

Receptacles

Watertight Safety-Shroud, Back Wired	IP66 SUITABILITY	
Description	**Catalog Numbers**	
Gray Valox® housing and flange.	HBL2610SW	HBL2620SW	–

Accessories on page B-54.

Safety-Shroud Twist-Lock, Back Wired	IP20 SUITABILITY	
Description	**Catalog Numbers**	
Gray Valox® angle housing, one gang.	HBL2610AR	HBL2620AR	–
Gray Valox® surface mounting, one gang.	HBL2610SR	HBL2620SR	–
Gray Valox® semi-flush, two gang.	HBL2610SR2	HBL2620SR2	–

Accessories on page B-54.

Single Flush, Back and Side Wired	IP20 SUITABILITY	
Description	**Catalog Numbers**	
Black nylon face.	HBL2610	HBL2620	HBL2630
Isolated ground, orange nylon face.	IG2610	IG2620	–
Corrosion resistant, yellow nylon face.	HBL26CM10	–	–
Ring teminal connection.	HBL2610RT	HBL2620RT	–

Accessories on page B-50.

Insulgrip Flanged Receptacles		
Description	**Catalog Numbers**	
Nylon casing, back wired.	HBL2616	HBL2626	HBL2636
Heat stabilized, gray nylon, 220° F (104° C).	HBL2616F	HBL2626F	–

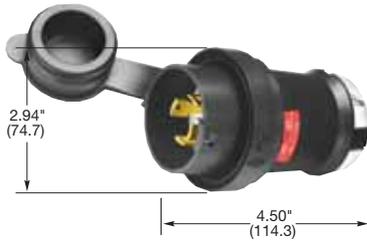*Accessories on page B-50.*

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

2.56" (65.0)
4.38" (111.1)
HBL2613SW

3.86" (98.0)
2.26" (57.4)
1.97" (50.0)
HBL2623

2.60" (66.0)
1.78" (45.2)
HBL2613VY

2.69" (68.3)
3.75" (95.3)
3.75" (95.3)
1.50" (38.1)
HBL2610SW

3.14" (79.8)
4.57" (116.1)
2.88" (73.2)
HBL2620AR

1.58" (40.1)
4.56" (115.8)
2.84" (72.1)
HBL2620SR

Dimensions in Inches (mm)

Twist-Lock® Devices
30 Ampere, 125/250 Volts and 3Ø 250 Volts AC
3 Pole, 4 Wire Grounding
Insulgrip® Plugs and Flanged Inlets

30A 125/250V NEMA L14-30P UL/CSA 2 (2) HP

30A 3Ø 250V AC NEMA L15-30P UL/CSA 3 HP

2.94" (74.7)

4.50" (114.3)

HBL2711SW

2.21" (56.1) **2.33" (59.3)** **4.12" (104.6)**

HBL2711S

2.75" (69.9) **2.21" (56.1)** **2.33" (59.2)**

HBL2711

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	HBL2711SW	HBL2721SW

Safety-Shroud   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.35"-1.15" (9-29)	HBL2711S	HBL2721S

Accessories on page B-40.

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.35"-1.15" (9-29)	HBL2711	HBL2721
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	HBL27CM11	HBL27CM21
All black nylon.	.35"-1.15" (9-29)	HBL2711BK	–

Accessories on page B-53.

Flanged Inlets

Watertight Safety-Shroud   IP66 SUITABILITY

Description	Catalog Numbers	
Gray Valox® housing and flange.	HBL2715SW	HBL2725SW

Accessories on page B-54.

Insulgrip   IP20 SUITABILITY

Description	Catalog Numbers	
Nylon casing, back wired.	HBL2715	HBL2725

Accessories on page B-52.

Notes: For technical information on Twist-Lock® and Watertight Safety-Shroud Devices see pages B-69 and 70.

2.44" (62.0) **3.75" (95.3)** **1.81" (46.0)** **3.75" (95.3)**

HBL2715SW

3.06" (77.7) 120° **1.34" R. (34.0)** **.19" (4.8) DIA.** 120° 120° **2.27" (57.7)** **2.23" (56.6)**

HBL2715

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
30 Ampere, 125/250 Volts and 3Ø 250 Volts AC
3 Pole, 4 Wire Grounding
Insulgrip® Connector Bodies and Receptacles

30A 125/250V
NEMA L14-30R
UL/CSA
2 (2) HP

30A 3Ø 250V AC
NEMA L15-30R
UL/CSA
3 HP

Connector Bodies

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	**HBL2713SW**	**HBL2723SW**

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.35"-1.15" (9-29)	**HBL2713**	**HBL2723**
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	**HBL27CM13**	**HBL27CM23**
All black nylon.	.35"-1.15" (9-29)	**HBL2713BK**	**–**

Accessories on page B-53.

2.75" (69.9)

4.38" (111.1)

HBL2713SW

2.33" (59.2)   2.21" (56.1)

3.86" (98.0)

HBL2713

Receptacles

Watertight Safety-Shroud, Back Wired   IP66 SUITABILITY

Description	Catalog Numbers	
Gray Valox® housing and flange.	**HBL2710SW**	**HBL2720SW**

Accessories on page B-54.

Safety-Shroud Twist-Lock, Back Wired   IP20 SUITABILITY

Description	Catalog Numbers	
Gray Valox® angle housing, one gang.	**HBL2710AR**	**HBL2720AR**
Gray Valox® surface mounting, one gang.	**HBL2710SR**	**HBL2720SR**
Gray Valox® semi-flush, two gang.	**HBL2710SR2**	**HBL2720SR2**

Accessories on page B-54.

Single Flush, Back and Side Wired   IP20 SUITABILITY

Description	Catalog Numbers	
Black nylon face.	**HBL2710**	**HBL2720**
Isolated ground, orange nylon face.	**IG2710**	**IG2720**
Ring teminal connection.	**HBL2710RT**	**HBL2720RT**

Accessories on page B-52.

Insulgrip Flanged Receptacles

Description	Catalog Numbers	
Nylon casing, back wired.	**HBL2716**	**HBL2726**

Accessories on page B-52.

2.91" (73.9)

3.75" (95.3)

3.75" (95.3)   1.75" (44.5)

HBL2710SW

3.14" (79.8)

4.57" (116.1)

2.88" (73.2)

HBL2710AR

3.06" (77.7)   120°   1.34" R. (34.0)

.19" (4.8) DIA.   120°

2.27" (57.7)

2.23" (56.6)

HBL2716

1.70" (43.2)   1.23" (31.2)

2.67" (67.8)   1.56" (39.6)   2.38" (60.5)   3.28" (83.3)

#6-32 TAP   .98" (24.9)

HBL2710

.77" (19.6)

5.12" (130.0)

5.12" (130.0)

HBL2710SR2

1.71" (43.4)

4.56" (115.8)

2.84" (72.1)

HBL2710SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
30 Ampere, 3Ø 480 and 3Ø 600 Volts AC
3 Pole, 4 Wire Grounding
Insulgrip® Plugs and Flanged Inlets

30A 3Ø 480V AC
NEMA L16-30P
UL/CSA
10 HP

30A 3Ø 600V AC
NEMA L17-30P
UL/CSA

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	**HBL2731SW**	**HBL2741SW**

Safety-Shroud   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.35"-1.15" (9-29)	**HBL2731S**	**HBL2741S**

Accessories on page B-40.

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.35"-1.15" (9-29)	**HBL2731**	**HBL2741**
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	**HBL27CM31**	**HBL27CM41**

Accessories on page B-53.

2.94" (74.7)
4.50" (114.3)
HBL2731SW

2.21" (56.1)
2.33" (59.3)
4.12" (104.6)
HBL2731S

2.75" (69.9)
2.21" (56.1)
2.33" (59.2)
HBL2731

Flanged Inlets

Watertight Safety-Shroud   IP66 SUITABILITY

Description	Catalog Numbers	
Gray Valox® housing and flange.	**HBL2735SW**	**HBL2745SW**

Accessories on page B-54.

Insulgrip   IP20 SUITABILITY

Description	Catalog Numbers	
Nylon casing, back wired.	**HBL2735**	**HBL2745**

Accessories on page B-52.

Notes: For technical information on Twist-Lock® and Watertight Safety-Shroud Devices see pages B-69 and 70.

2.44" (62.0)
3.75" (95.3)
1.81" (46.0)
3.75" (95.3)
HBL2735SW

3.06" (77.7)
120°
1.34" R. (34.0)
.19" (4.8) DIA.
120°
120°
2.27" (57.7)
2.23" (56.6)
HBL2735

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
30 Ampere, 3Ø 480 and 3Ø 600 Volts AC
3 Pole, 4 Wire Grounding
Insulgrip® Connector Bodies and Receptacles

30A 3Ø 480V AC
NEMA L16-30R
UL/CSA
10 HP

30A 3Ø 600V AC
NEMA L17-30R
UL/CSA

Connector Bodies

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	HBL2733SW	HBL2743SW

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.35"-1.15" (9-29)	HBL2733	HBL2743
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	HBL27CM33	HBL27CM43

Accessories on page B-53.

HBL2733SW
2.75" (69.9)
4.38" (111.1)

HBL2733
3.86" (98.0)
2.33" (59.3)
2.21" (56.1)

Receptacles

Watertight Safety-Shroud, Back Wired   IP66 SUITABILITY

Description	Catalog Numbers	
Gray Valox® housing and flange.	HBL2730SW	HBL2740SW

Accessories on page B-54.

Safety-Shroud Twist-Lock, Back Wired   IP20 SUITABILITY

Description	Catalog Numbers	
Gray Valox® angle housing, one gang.	HBL2730AR	HBL2740AR
Gray Valox® surface mounting, one gang.	HBL2730SR	HBL2740SR
Gray Valox® semi-flush, two gang.	HBL2730SR2	HBL2740SR2

Accessories on page B-54.

Single Flush, Back and Side Wired   IP20 SUITABILITY

Description	Catalog Numbers	
Black nylon face.	HBL2730	HBL2740

Accessories on page B-52.

Insulgrip Flanged Receptacles

Description	Catalog Numbers	
Nylon casing, back wired.	HBL2736	HBL2746

Accessories on page B-52.

HBL2730SW
2.91" (73.9)
3.75" (95.3)
3.75" (95.3)
1.75" (44.5)

HBL2730AR
3.14" (79.8)
4.57" (116.1)
2.88" (73.2)

HBL2736
3.06" (77.7)
120°
1.34" R. (34.0)
.19" (4.8) DIA.
120°
2.27" (57.7)
2.23" (56.6)

HBL2730
1.70" (43.2)
1.23" (31.2)
2.67" (67.8)
1.56" (39.6)
2.38" (60.5)
3.28" (83.3)
#6-32 TAP
.98" (24.9)

HBL2730SR2
.77" (19.6)
5.12" (130.0)
5.12" (130.0)

HBL2730SR
1.71" (43.4)
4.56" (115.8)
2.84" (72.1)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
30 Ampere, 3Ø Y 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire Grounding
Insulgrip® Plugs and Flanged Inlets

**30A 3ØY
120/208V AC
NEMA L21-30P**
UL/CSA
3 HP

**30A 3ØY
277/480V AC
NEMA L22-30P**
UL/CSA
10 HP

**30A 3ØY
347/600V AC
NEMA L23-30P**
UL/CSA

2.94"
(74.7)

4.50"
(114.3)

HBL2811SW

2.21"
(56.1)

2.33"
(59.3)

4.12"
(104.6)

HBL2811S

2.75"
(69.9)

2.21"
(56.1)

2.33"
(59.2)

HBL2811

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	**HBL2811SW**	–	–

Safety-Shroud   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.35"-1.15" (9-29)	**HBL2811S**	–	–

Accessories on page B-40.

Insulgrip   IP20 SUITABILITY

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	**HBL2811**	**HBL2821**	**HBL2831**
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	**HBL28CM11**	–	–
Black and white for flat cable.	.35"-1.15" (9-29)	**HBL2811FC**	–	–
All black nylon.	.35"-1.15" (9-29)	**HBL2811BK**	–	–

Accessories on page B-53.

2.44"
(62.0)

3.75"
(95.3)

1.81"
(46.0)

3.75"
(95.3)

HBL2815SW

Flanged Inlets

Watertight Safety-Shroud   IP66 SUITABILITY

Description	Catalog Numbers		
Gray Valox® housing and flange.	**HBL2815SW**	–	–

Accessories on page B-54.

Insulgrip   IP20 SUITABILITY

Description	Catalog Numbers		
Nylon casing, back wired.	**HBL2815**	**HBL2825**	**HBL2835**

Accessories on page B-52.

*Notes: For technical information on Twist-Lock® and
Watertight Safety-Shroud Devices see pages B-69 and 70.*

3.06"
(77.7)

120°

1.34" R.
(34.0)

.19"
(4.8)
DIA.

120°

2.27"
(57.2)

2.23"
(56.6)

HBL2815

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
30 Ampere, 3Ø Y 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire Grounding
Insulgrip® Connector Bodies and Receptacles

30A 3ØY 120/208V AC
NEMA L21-30R
UL/CSA
3 HP

30A 3ØY 277/480V AC
NEMA L22-30R
UL/CSA
10 HP

30A 3ØY 347/600V AC
NEMA L23-30R
UL/CSA

Connector Bodies

Watertight Safety-Shroud®		IP66 SUITABILITY	
Description	**Cord Dia.**	**Catalog Numbers**	
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	HBL2813SW	– –

Insulgrip		IP20 SUITABILITY	
Description	**Cord Dia.**	**Catalog Numbers**	
Black and white nylon.	.35"-1.15" (9-29)	HBL2813	HBL2823	HBL2833
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	HBL28CM13	– –
Black and white for flat cable.	.35"-1.15" (9-29)	HBL2813FC	– –
All black nylon.	.35"-1.15" (9-29)	HBL2813BK	– –

Accessories on page B-53.

2.75" (69.9)
4.38" (111.1)
HBL2813SW

2.33" (59.3)
2.21" (56.1)
3.86" (98.0)
HBL2813

Receptacles

Watertight Safety-Shroud, Back Wired	IP66 SUITABILITY	
Description	**Catalog Numbers**	
Gray Valox® housing and flange.	HBL2810SW	– –

Accessories on page B-54.

Safety-Shroud Twist-Lock, Back Wired	IP20 SUITABILITY	
Description	**Catalog Numbers**	
Gray Valox® angle housing, one gang.	HBL2810AR	– –
Gray Valox® surface mounting, one gang.	HBL2810SR	– –
Gray Valox® semi-flush, two gang.	HBL2810SR2	– –

Accessories on page B-54.

Single Flush, Back and Side Wired	IP20 SUITABILITY	
Description	**Catalog Numbers**	
Black nylon face.	HBL2810	HBL2820	HBL2830
Isolated ground, orange nylon face.	IG2810	– –
Ring terminal connection.	HBL2810RT	– –

Accessories on page B-52.

Insulgrip Flanged Receptacles

Description	**Catalog Numbers**	
Nylon casing, back wired.	HBL2816	HBL2826	HBL2836

Accessories on page B-52.

2.91" (73.9)
3.75" (95.3)
3.75" (95.3)
1.75" (44.5)
HBL2810SW

3.14" (79.8)
4.57" (116.1)
2.88" (73.2)
HBL2810AR

3.06" (77.7)
120°
1.34" R. (34.0)
.19" (4.8) DIA.
120°
2.27" (57.7)
2.23" (56.6)
HBL2816

1.70" (43.2)
1.23" (31.2)
2.67" (67.8)
1.56" (39.6)
2.38" (60.5)
3.28" (83.3)
#6-32 TAP
.98" (24.9)
HBL2810

.77" (19.6)
5.12" (130.0)
5.12" (130.0)
HBL2810SR2

1.71" (43.4)
4.56" (115.8)
2.84" (72.1)
HBL2810SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
30 Ampere, 3Ø Y 120/208, 277/480 and 347/600 Volts AC
4 Pole, 4 Wire Non-Grounding
Insulgrip® Plugs, Flanged Inlets,
Connector Bodies and Receptacles

2.75"
(69.9)

2.21"
(56.1)

2.33"
(59.2)

HBL2751

3.06"
(77.7)

120°

1.34" R.
(34.0)

.19"
(4.8)
DIA.

120°

2.27"
(57.7)

2.23"
(56.6)

HBL2755

3.86"
(98.0)

2.33"
(59.2)

2.21"
(56.1)

HBL2753

1.70"
(43.2)

1.23"
(31.2)

2.67"
(67.8)

1.56" 2.38" 3.28"
(39.6) (60.5) (83.3)

#6-32 TAP

.98"
(24.9)

HBL2750

3.06"
(77.7)

120°

1.34" R.
(34.0)

.19"
(4.8)
DIA.

120°

2.27"
(57.7)

2.23"
(56.6)

HBL2756

IP20
SUITABILITY

X Y W Z	X Y W Z	X Y W Z
30A 3ØY 120/208V AC NEMA L18-30P UL Listed 3 HP	**30A 3ØY 277/480V AC NEMA L19-30P** UL Listed 10 HP	**30A 3ØY 347/600V AC NEMA L20-30P** UL Listed

Plugs

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	**HBL2751**	**HBL2761**	**HBL2771**

Accessories on page B-53.

Flanged Inlets

Description	Catalog Numbers		
Nylon casing, back wired.	**HBL2755**	**HBL2765**	**HBL2775**

Accessories on page B-52.

IP20
SUITABILITY

X W Y Z	X W Y Z	X W Y Z
30A 3ØY 120/208V AC NEMA L18-30R UL Listed 3 HP	**30A 3ØY 277/480V AC NEMA L19-30R** UL Listed 10 HP	**30A 3ØY 347/600V AC NEMA L20-30R** UL Listed

Connector Bodies

Description	Cord Dia.	Catalog Numbers		
Black and white nylon.	.35"-1.15" (9-29)	**HBL2753**	**HBL2763**	**HBL2773**

Accessories on page B-53.

Single Flush Receptacles, Back and Side Wired

Description	Catalog Numbers		
Black nylon face.	**HBL2750**	**HBL2760**	**HBL2770**

Accessories on page B-52.

Flanged Receptacles

Description	Catalog Numbers		
Nylon casing, back wired.	**HBL2756**	**HBL2766**	**HBL2776**

Accessories on page B-52.

Note: For technical information on Twist-Lock® Devices see page B-69.

HUBBELL®

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Twist-Lock® Devices
30 Ampere, 480 and 600 Volts AC
2 Pole, 3 Wire Grounding
**Insulgrip® Plugs, Flanged Inlets,
Connector Bodies and Receptacles**

IP20 SUITABILITY

30A 480V AC
NEMA L8-30P
UL/CSA
5 HP

30A 600V AC
NEMA L9-30P
UL/CSA

Plugs

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.325"-.930" (8.25-24)	**HBL2641**	**HBL2651**

Accessories on page B-51.

HBL2651

Flanged Inlets

Description	Catalog Numbers	
Nylon casing, back wired.	**HBL2645**	**HBL2655**

Accessories on page B-50.

HBL2655

IP20 SUITABILITY

30A 480V AC
NEMA L8-30R
UL/CSA
5 HP

30A 600V AC
NEMA L9-30R
UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.325"-.930" (8.25-24)	**HBL2643**	**HBL2653**

Accessories on page B-51.

HBL2653

Single Flush Receptacles, Back and Side Wired

Description	Catalog Numbers	
Black nylon face.	**HBL2640**	**HBL2650**

Accessories on page B-50.

Flanged Receptacles

Description	Catalog Numbers	
Nylon casing, back wired.	**HBL2646**	**HBL2656**

Accessories on page B-50.

Note: For technical information on Twist-Lock® Devices see page B-69.

HBL2650

HBL2656

Twist-Lock® Devices
Switched Safety Enclosures
Switched Twist-Lock® and Hubbellock® Enclosures

Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements.

Horsepower rated switch.

Angled 20 or 30 Amp Hubbell Twist-Lock receptacle provides low profile and helps control cable arc of bend.

Large receptacle gasketless door and hinge assembly.

Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components, while speeding installation by making it easier to pull conductors.

Heavy-duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch.

Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations.

The Switched Twist-Lock and Hubbellock Enclosures integrate a receptacle and a switch to produce distinct advantages for the user. This enclosure replaces box, switch, cover and all in a compact design that meets Type 3R Rainproof or 12K Dust-tight requirements. The receptacle is angled downward for a low profile, and it maintains a low profile while accommodating either a 20 or 30 Amp Twist-Lock receptacle or 30 Amp, 4 wire Hubbellock receptacle. The enclosure can be used in top, bottom or back feed applications. The handle is designed to be locked in the off position for lockout protection.

Hubbell has developed the Switched Safety Enclosure because users want to be able to disconnect higher voltage devices confidently. Hubbell responded with a line of Switched Safety Enclosures for Twist-Lock and Hubbellock receptacles.

The provision of the integral switch and the receptacle in a compact, non-metallic enclosure encourages the safe operating practice of disconnecting at the switch rather than the plug and receptacle.

For plants and factories in a wide variety of industries, as well as light industrial facilities, Hubbell's Switched Enclosures offer an upgrade that's convenient, compact and easy to install.

Twist-Lock® Devices

Switched Safety Enclosures

Twist-Lock® Devices
Switched Safety Enclosures
Switched Twist-Lock® and Hubbellock® Enclosures

**UL Listed, CSA Certified
Type 3R and 12K Enclosure Rating**

IP54
SUITABILITY

Switched Enclosure Ready for Twist-Lock® Receptacle Addition
Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any Hubbell 20 or 30A Twist-Lock receptacle.

Description	Ratings	Catalog Number
Switched Twist-Lock enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock receptacle selected.	SETL3
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	HBLAC2

4.88" (124.0)
11.38" (289.1)
4.5" (114.3)

SETL3

Switched Enclosure Complete with Twist-Lock Receptacle
Completely pre-wired with a Twist-Lock receptacle, these application oriented combinations are available to satisfy your needs.

Description	NEMA Config.	Amperage	Voltage	Horsepower	Switched Enclosure Catalog Numbers	Use Twist-Lock Plug
Switched Twist-Lock enclosure with a pre-wired HBL2720 receptacle.	L15-30R	30	3Ø 240V AC	7.5	SE2720A	HBL2721
Switched Twist-Lock enclosure with a pre-wired HBL2730 receptacle.	L16-30R	30	3Ø 480V AC	15	SE2730A	HBL2731

Switched Enclosure Ready for Hubbellock Receptacle Addition
Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 30A, 4 wire Hubbellock receptacle choice.

Description	Ratings	Catalog Number
Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbellock receptacle selected.	SEHBL3
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	HBLAC2

Twist-Lock® Devices
Mechanical Interlock Switched Safety Enclosures
Circuit-Lock® Unfused Safety-Shroud® Twist-Lock®

Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements.

Heavy-duty interlock linkage prevents make and break under load.

Angled 20 or 30 Amp Hubbell Watertight Safety-Shroud Twist-Lock receptacle provides watertight, low profile and mechanical interlock capabilities. (ordered separately).

Enclosure back is designed for top, bottom or back feed options.

Horsepower rated switch.

Heavy-duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch.

Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations.

Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components, while speeding installation by making it easier to pull conductors.

Hubbell offers the only mechanical interlock for Twist-Lock. This new, unfused mechanical interlock for watertight Safety-Shroud Twist-Lock integrates a watertight receptacle with a linked disconnect switch to provide a mechanically interlocked receptacle. This virtually eliminates the possibility of making or breaking the circuit while under load or making a casual or "lazy" connection.

The switch cannot be turned "ON" until the plug is properly inserted and locked, and the plug cannot be removed until the switch is turned "OFF." All these protective features are included in a compact

Type 4X hose-directed water and corrosion resistant enclosure that allows for top, bottom or back feed options.

The non-metallic enclosure is nonconductive, yet has an internal frame to assure ground continuity with metallic conduit.

In addition, this interlock works with all Safety-Shroud Twist-Lock Plugs. The new unfused mechanical interlock for watertight Safety-Shroud Twist-Lock can be locked out as a method of compliance with OSHA lockout/tagout regulations.

Twist-Lock® Devices
Mechanical Interlock Switched Safety Enclosures
Circuit-Lock® Unfused Safety Shroud® Twist-Lock®

**UL Listed, CSA Certified TYPE 4,
4X and TYPE 12K Enclosure Rating**

IP66
SUITABILITY

HBLMITL

Ordering Information
This unit is a complete enclosure ready to accept any 20 or 30A Watertight Safety-Shroud Twist-Lock Receptacle.

Description	Ratings	Catalog Number
Mechanical Interlock accommodates 20A or 30A Watertight Safety-Shroud Twist-Lock receptacles.	Amperage and voltage ratings will be determined by the choice of the Watertight Safety-Shroud Twist-Lock selected. Suppiled with ¾" Hub.	**HBLMITL**

Accepts the following watertight Safety-Shroud Twist-Lock receptacles:

20A

Rating	Voltage AC	NEMA Config. Reference Number	Max. HP Rating*	Receptacle Catalog Numbers	Use Watertight Safety Shroud Twist-Lock Plug
2 Pole, 3 Wire	120	L5-20	1	**HBL2310SW**	**HBL2311SW**
	208-240	L6-20	2.5	**HBL2320SW**	**HBL2321SW**
	277	L7-20	3	**HBL2330SW**	**HBL2331SW**
3 Pole, 4 Wire	120/240	L14-20	2.5	**HBL2410SW**	**HBL2411SW**
	240 3Ø	L15-20	5 (3@208V)	**HBL2420SW**	**HBL2421SW**
	480 3Ø	L16-20	10	**HBL2430SW**	**HBL2431SW**
4 Pole, 5 Wire	120/208 3ØY	L21-20	3	**HBL2510SW**	**HBL2511SW**

30A

Rating	Voltage AC	NEMA Config. Reference Number	Max. HP Rating*	Receptacle Catalog Numbers	Use Watertight Safety Shroud Twist-Lock Plug
2 Pole, 3 Wire	120	L5-30	1	**HBL2610SW**	**HBL2611SW**
	208-240	L6-30	3	**HBL2620SW**	**HBL2621SW**
3 Pole, 4 Wire	120/240	L14-30	3	**HBL2710SW**	**HBL2711SW**
	240 3Ø	L15-30	7.5	**HBL2720SW**	**HBL2721SW**
	480 3Ø	L16-30	15	**HBL2730SW**	**HBL2731SW**
	600 3Ø	L17-30	15	**HBL2740SW**	**HBL2741SW**
4 Pole, 5 Wire	120/208 3ØY	L21-30	7.5	**HBL2810SW**	**HBL2811SW**

Auxiliary Contacts

Description	Ratings	Catalog Number
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

Replacement Parts

Description	Catalog Number
Ground block.	**HBL30RGB**
Neutral block.	**HBL30RNB**
Replacement switch.	**HBLDS3RS**

Notes: **HP ratings for the final unit are determined by the HP rating of the switch, limited by the full load current capability of the receptacle at 80% of rated current, number of phases and line voltage. HP ratings listed above are AC only.*
See pages B-52 and B-53 for accessories.
For technical information see page B-73.

Twist-Lock® Devices
Safety-Shroud® Twist-Lock® Devices
ADD-A-SHROUD™: The Innovation That Lets You Convert Existing Insulgrip®
Twist-Lock® Plugs to Safety-Shroud Twist-Lock Devices

The Add-A-Shroud devices allow conversion of existing 20A and 30A
3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud Twist-Lock plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

Safety-Shroud Twist-Lock – 20 and 30 Ampere

Add-A-Shroud Catalog Number HBLSS3
For conversion of all 3 wire Hubbell Insulgrip Twist-Lock Devices.

2.04"
(51.8)

1.57"
(39.9)

HBLSS3

	Voltage Rating	NEMA Number	Hubbell Catalog Numbers Plug	Add-A-Shroud
20A, 2 Pole 3 Wire Grounding	125V	L5-20	**HBL2311**	**HBLSS3**
	250V	L6-20	**HBL2321**	**HBLSS3**
	277V AC	L7-20	**HBL2331**	**HBLSS3**
	480V AC	L8-20	**HBL2341**	**HBLSS3**
	600V AC	L9-20	**HBL2351**	**HBLSS3**
30A, 2 Pole 3 Wire Grounding	125V	L5-30	**HBL2611**	**HBLSS3**
	250V	L6-30	**HBL2621**	**HBLSS3**
	277V AC	L7-30	**HBL2631**	**HBLSS3**
	480V AC	L8-30	**HBL2641**	**HBLSS3**
	600V AC	L9-30	**HBL2651**	**HBLSS3**

2.21"
(56.1)

1.65"
(41.9)

HBLSS45

Add-A-Shroud Catalog Number HBLSS45
For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.

	Voltage Rating	NEMA Number	Hubbell Catalog Numbers Plug	Add-A-Shroud
20A, 3 Pole 4 Wire Grounding	125/250V	L14-20	**HBL2411**	**HBLSS45**
	3Ø250V AC	L15-20	**HBL2421**	**HBLSS45**
	3Ø480V AC	L16-20	**HBL2431**	**HBLSS45**
30A, 3 Pole 4 Wire Grounding	125/250V	L14-30	**HBL2711**	**HBLSS45**
	3Ø250V AC	L15-30	**HBL2721**	**HBLSS45**
	3Ø480V AC	L16-30	**HBL2731**	**HBLSS45**
	3Ø600V AC	L17-30	**HBL2741**	**HBLSS45**
20A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-20	**HBL2511**	**HBLSS45**
	3ØY 277/480V AC	L22-20	**HBL2521**	**HBLSS45**
	3ØY 347/600V AC	L23-20	**HBL2531**	**HBLSS45**
30A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-30	**HBL2811**	**HBLSS45**
	3ØY 277/480V AC	L22-30	**HBL2821**	**HBLSS45**
	3ØY 347/600V AC	L23-30	**HBL2831**	**HBLSS45**

Non-NEMA Twist-Lock® Devices
10 Ampere, 250 Volts, 15 Ampere 125 Volts
3 Pole, 3 Wire and 2 Pole, 3 Wire
Insulgrip® Plugs, Flanged Inlets,
Connector Bodies and Receptacles

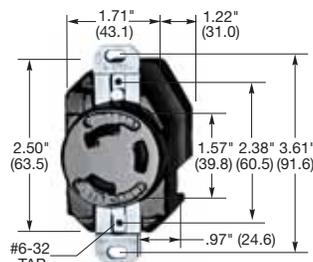For Replacement Use Only   **IP20** SUITABILITY

3P 3W Not Grounded Not UL listed

2P 3W Grounded Not UL listed

HBL7567C
1.53" (38.9)
1.91" (48.5)

Plugs

Description	Cord Dia.	Catalog Numbers	
Black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7567C**	–
Yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7567CY**	–

Accessories on page B-49.

Flanged Inlets

Description	Catalog Numbers	
Stainless steel casing.	**HBL7556**	**HBL7556G**

HBL7556
2.31" (58.7)
1.94" (49.3)
1.75" (44.4)
.16"(4.1) DIA.
1.13" (28.7)
1.50" (38.1)

IP20 SUITABILITY

3P 3W Not Grounded Not UL listed

2P 3W Grounded Not UL listed

Connector Bodies

Description	Cord Dia.	Catalog Numbers	
Insulgrip connector, black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7565C**	–
Insulgrip connector, yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7565CY**	–
Black phenolic.	.296"-.625" (7.5-15.9)	**HBL7555**	**HBL7555G**

Accessories on page B-49.

HBL7565C
2.78" (70.6)
1.53" (38.9)
1.41" (35.8)

Receptacles

Description	Catalog Numbers	
Duplex, black RTP*.	**HBL7580**	**HBL7580G**
Single, black phenolic.	**HBL7582**	**HBL7582G**

Accessories on page B-48.

HBL7580
1.70" (43.2)
3.28" (83.3)
2.74" (69.5)

Flanged Receptacles

Description	Catalog Numbers	
Stainless steel casing.	**HBL7557**	**HBL7557G**

Accessories on page B-49.

*Notes: * RTP is an abbreviation for reinforced thermoplastic.*
The devices shown on this page are not listed by Underwriters Laboratories Inc.
and are for replacement use only in existing installations.

HBL7557
2.31" (58.7)
1.94" (49.3)
1.75" (44.4)
.16"(4.1) DIA.
1.34" (34.0)
1.50" (38.1)

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA Twist-Lock® Devices
20 Ampere, 250, 125/250 Volts and 3Ø Y 120/208 Volts AC
**Insulgrip® Plugs, Flanged Inlets,
Connector Bodies and Receptacles**

2.75"
(69.9)

1.97"
(50.0)

2.26"
(57.4)

HBL9965C

2.88"
(73.2)
120°

1.25" R.
(31.8)

.19"
(4.8)
DIA.   120°

2.09"
(53.1)

2.04"
(51.8)

HBL3325C

For Replacement Use Only

IP20
SUITABILITY

2P 3W
GR   CU
**20A 250V
Non-NEMA**
Not UL Listed

3P 3W
Y
W
X
**20A 125/250V
Non-NEMA**
Not UL Listed

Plugs

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.360"-.930" (9-24)	**HBL9965GCB**	**HBL9965C**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	–	**HBL99CM65C**

Accessories on page B-51.

Flanged Inlets

Description	Catalog Numbers	
Nylon casing, back wired.	–	**HBL3325C**

Accessories on page B-50.

2.75"
(69.9)

2.21"
(56.1)

2.33"
(59.2)

HBL7411C

3.06"
(77.7)
120°

1.34" R.
(34.0)

.19"
(4.8)
DIA.   120°

2.27"
(57.7)

2.23"
(56.6)

HBL7408C

For Replacement Use Only

IP20
SUITABILITY

3P 4W
GR
X   Z
Y
**20A 3Ø 250V AC
Non-NEMA**
Not UL Listed

4P 4W
W
X   Z
Y
**20A 3Ø Y
120/208V AC
Non-NEMA**
Not UL Listed

Plugs

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.35"-1.15" (9-29)	**HBL7411GCB**	**HBL7411C**

Accessories on page B-53.

Flanged Inlets

Description	Catalog Numbers	
Nylon casing, back wired.	–	**HBL7408C**

Accessories on page B-52.

*Notes: For technical information see page B-69.
The devices shown on this page are not listed by Underwriters Laboratories Inc.
and are for replacement use only in existing installations.*

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA Twist-Lock® Devices
20 Ampere, 250, 125/250 Volts and 3Ø Y 120/208 Volts AC
Insulgrip® Plugs, Flanged Inlets, Connector Bodies and Receptacles

For Replacement Use Only **IP20** SUITABILITY

2P 3W
CU GR
20A 250V Non-NEMA Not UL Listed

3P 3W
Y X W
20A 125/250V Non-NEMA Not UL Listed

3.86" (98.0)
2.26" (57.4) **1.97" (50.0)**
HBL7314C

Connector Bodies

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.360"-.930" (9-24)	**HBL7314GCB**	**HBL7314C**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	–	**HBL73CM14C**

Accessories on page B-51.

1.39" (35.2) **1.11" (28.2)**
2.20" (57.2)
1.38" (34.9) **2.38" (60.5)** **3.61" (91.6)**
#6-32 TAP
1.28" (32.5)
HBL7310B

Single Flush Receptacles

Description	Catalog Numbers	
Black urea face, back wired.	**HBL7310BG**	**HBL7310B**

Accessories on page B-50.

Flanged Receptacles

Description	Catalog Numbers	
Nylon casing, back wired.	–	**HBL3326C**

Accessories on page B-50.

2.88" (73.2) 120°
1.25" R. (31.8)
.19" (4.8) DIA. 120°
2.09" (53.1)
2.04" (51.8)
HBL3326C

For Replacement Use Only **IP20** SUITABILITY

3P 4W
Z X Y GR
20A 3Ø 250V AC Non-NEMA Not UL Listed

4P 4W
W Z X Y
20A 3Ø Y 120/208V AC Non-NEMA Not UL Listed

3.86" (98.0)
2.33" (59.2) **2.21" (56.1)**
HBL7413GCB

Connector Bodies

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.35"-1.15" (9-29)	**HBL7413GCB**	**HBL7413C**

Accessories on page B-53.

1.28" (32.6)
1.05" (26.7)
1.57" (39.8)
2.50" (63.5) **2.38" (60.5)** **3.61" (91.6)**
#6-32 TAP
1.71" (43.4)
HBL7410BG

Single Flush Receptacles

Description	Catalog Numbers	
Black urea face, back wired.	**HBL7410BG**	**HBL7410B**
Mounted on a 4" (101.6) round metal cover.	–	**HBL7417B**

Accessories on page B-52.

Flanged Receptacles

Description	Catalog Numbers	
Nylon casing, back wired.	–	**HBL7409C**

Accessories on page B-52.

Note: The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

3.06" (77.7) 120°
1.34" R. (34.0)
.19" (4.8) DIA. 120°
2.27" (57.7)
2.23" (56.6)
HBL7409C

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA Twist-Lock® Devices
30 Ampere, 250, 125/250 Volts and 3Ø Y 120/208 Volts AC
Insulgrip® Plugs, Flanged Inlets,
Connector Bodies and Receptacles

2.75"
(69.9)

1.97"
(50.0)

2.26"
(57.4)

HBL3331GC

For Replacement Use Only

IP20
SUITABILITY

2P 3W

GR

CU

30A 250V
Non-NEMA
Not UL listed

3P 3W

W

Y

X

30A 125/250V
Non-NEMA
Not UL Listed

Insulgrip Plugs

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.360"-.930" (9-24)	**HBL3331GC**	**HBL3331C**

Accessories on page B-51.

Insulgrip Flanged Inlets

Description	Catalog Numbers	
Nylon casing, back wired.	**–**	**HBL3334C**

Accessories on page B-50.

2.88"
(73.2)

120°

1.25" R.
(31.8)

.19"
(4.8)
DIA.

120°

2.09"
(53.1)

2.04"
(51.8)

HBL3334C

For Replacement Use Only

IP20
SUITABILITY

3P 4W

Z

GR

Y

X

30A 3Ø 250V AC
Non-NEMA
Not UL Listed

4P 4W

Z

W

Y

X

Non-NEMA
30A 3Ø Y
120/208V AC
Not UL Listed

Insulgrip Plugs

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.35"-1.15" (9-29)	**HBL3431GCB**	**HBL3431C**

Accessories on page B-53.

2.75"
(69.9)

2.21"
(56.1)

2.33"
(59.2)

HBL3431C

Notes: For technical information see page B-69.
The devices shown on this page are not listed by Underwriters Laboratories Inc.
and are for replacement use only in existing installations.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA Twist-Lock® Devices
30 Ampere, 250, 125/250 Volts and 3Ø Y 120/208 Volts AC
Insulgrip® Plugs, Flanged Inlets, Connector Bodies and Receptacles

For Replacement Use Only   **IP20** SUITABILITY

2P 3W
30A 250V
Non-NEMA
Not UL listed

3P 3W
30A 125/250V
Non-NEMA
Not UL Listed

HBL3333GC

Insulgrip Connector Bodies

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.360"-.930" (9-24)	**HBL3333GC**	**HBL3333C**

Accessories on page B-51.

Single Flush Receptacles

Description	Catalog Numbers	
Black urea face, back wired.	**HBL3330G**	**HBL3330**

Accessories on page B-50.

HBL3330G

Insulgrip Flanged Receptacles

Description	Catalog Numbers	
Nylon casing, back wired.	**–**	**HBL3335C**

Accessories on page B-50.

HBL3335C

For Replacement Use Only   **IP20** SUITABILITY

3P 4W
30A 3Ø 250V AC
Non-NEMA
Not UL Listed

4P 4W
30A 3Ø Y
120/208V AC
Non-NEMA
Not UL Listed

Insulgrip Connector Bodies

Description	Cord Dia.	Catalog Numbers	
Black and white nylon.	.35"-1.15" (9-29)	**HBL3433GCB**	**HBL3433C**

Accessories on page B-53.

HBL3433GCB

Single Flush Receptacles

Description	Catalog Numbers	
Black phenolic, back and side wired.	**HBL3430G**	**HBL3430**

Accessories on page B-52.

HBL3430

Note: The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA Twist-Lock® Devices
20 Ampere, 250 Volts, 10 Ampere, 600 Volts AC
4 Pole, 5 Wire Grounding
Insulgrip® Plugs, Flanged Inlets, Connector Bodies and Receptacles

HBL3521C

2.75" (69.9)
2.21" (56.1)
2.33" (59.2)

HBL3524C

3.06" (77.7)
120°
1.34" R. (34.0)
.19" (4.8) DIA.
120°
2.27" (57.7)
2.23" (56.6)

HBL3523C

3.86" (98.0)
2.33" (59.2)
2.21" (56.1)

HBL3520

1.71" (43.4)
3.61" (91.7)
2.38" (60.5)
1.57" (39.8)
2.50" (63.5)
#6-32 TAP

HBL3525C

3.06" (77.7)
120°
1.34" R. (34.0)
.19" (4.8) DIA.
120°
2.27" (57.7)
2.23" (56.6)

For Replacement Use Only

IP20
SUITABILITY

20A 250V
10A 600V AC
Non-NEMA
UL/CSA

Plugs

Description	Cord Dia.	Catalog Numbers
Black and white nylon.	.35"-1.15" (9-29)	**HBL3521C**

Accessories on page B-53.

Flanged Inlets

Description	Catalog Numbers
Insulgrip nylon casing, back wired.	**HBL3524C**

Accessories on page B-52.

IP20
SUITABILITY

20A 250V
10A 600V AC
Non-NEMA
UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Numbers
Black and white nylon.	.35"-1.15" (9-29)	**HBL3523C**

Accessories on page B-53.

Receptacles

Description	Catalog Numbers
Single, black phenolic.	**HBL3520**

Accessories on page B-52.

Flanged Receptacles

Description	Catalog Numbers
Insulgrip nylon casing, back wired.	**HBL3525C**

Accessories on page B-52.

Note: For technical information see page B-69.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

HUBBELL®
Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Non-NEMA Twist-Lock® Devices
30 Ampere, 250 Volts; 30 Ampere, 600 Volts AC and 20 Ampere, 3Ø Y 120/208 Volts AC 400Hz
4 Pole, 5 Wire Grounding
Variload® Twist-Lock® Plugs, Flanged Inlets, Connector Bodies and Receptacles

In many large plants and laboratories the number of circuits of different ratings and frequency is greater than the number of blade configurations available in conventional wiring devices.

Prior to NEMA configuration standardization the solution was "Variload Twist-Lock" devices with four non-interchangeable center pin and slot configurations that can be designated to different circuits.

2.13"
(54.1)
DIA.

1.86"
(47.2)

.91"
(23.1)

HBL45315

30A, 250V AC/DC 30A, 600V AC

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
▬	HBL45115	–	HBL45135	HBL45105
▲	HBL45215	–	HBL45235	HBL45205
♣	HBL45315	–	HBL45335	HBL45305

2.13"
(54.1)
DIA.

1.84"
(46.7)
DIA.

.91"
(23.1)

2.89"
(73.4)

HBL45335

20A 120/208V 3Ø Y, 400 Hz

	Plugs	Flanged Inlets	Connector Bodies	Receptacles
♦	HBL45915	HBL45985CL	HBL45935	HBL45905

#6-32 TAP

1.02"
(25.9)

3.28"
(83.3)

2.38"
(60.5)

1.72"
(43.7)

2.69"
(68.3)

1.72"
(43.7)

1.27"
(32.3)

HBL45305

Accessories
Plates

Description	Catalog Numbers
Stainless steel, single-gang.	SS725

Weatherproof Boots

IP55*
SUITABILITY

Description	Catalog Numbers
Seal-Tite® black elastomer for Variload® plugs.	HBL6027
Seal-Tite® black elastomer for Variload® connector bodies.	HBL6028

*Note: * When installed and used properly with plug and connector body combinations.*

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Accessories
for 15 Ampere 2 and 3 Wire Duplex, Single Receptacles and Flanged Devices

NP8I **NP7I**

Single-Gang Wall Plate

	Duplex Plate	Single Rec. Plate 1.406" (35.7) Dia.
Description	**Catalog Numbers**	
Brown nylon, smooth.	**NP8**	**NP7**
Ivory nylon, smooth.	**NP8I**	**NP7I**
Stainless steel 302/304, smooth.	**SS8**	**SS7**
Brass, smooth.	**SB8**	**SB7**
Aluminum, smooth.	**SA8**	**SA7**

HBL5206WO

Weatherproof Plates

IP44
SUITABILITY

Description	Catalog Numbers	
Cast aluminum, for standard horizontal box mount.	**HBL5205WO**	**–**
Same as above except FS/FD box mount.	**HBL5206WO**	**–**
Cast aluminum vertical FS/FD box mount.	**–**	**HBL7420**
Gray thermoplastic, vertical standard box mount, corrosion resistant.	**HBL5222***	**–**
Same as above except yellow.	**HBL52CM22***	**–**
Gray thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL5221***	**HBL7423WO**
Yellow thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL52CM21***	**HBL74CM23WO**
White thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL52CM21W***	**–**

HBL5221

HBL7423WO

Weatherproof Plate for 15A Flanged Inlets and Receptacles

IP44
SUITABILITY

Description	Catalog Numbers
Gray thermoplastic, corrosion resistant.	**WP1**

Notes: All weatherproof plates listed above are UL Listed for wet and damp locations with cover closed. Those with suffix WO are UL Listed with cover open.
See section K for more information.
* IP20 Suitability only.

WP1

Twist-Lock® Devices
Accessories
for 15 Ampere 2 and 3 Wire Plugs, Connector Bodies and Flanged Devices

IP55*
SUITABILITY

Weatherproof, Seal-Tite®, Triple Seal Boots
for 15A Insulgrip® Devices

Description	Catalog Numbers
Black elastomer boot for plugs when used in a cord set and connector bodies when used with a flange inlet.	HBL6023
Same as above except yellow elastomer.	HBL60CM23
Black elastomer boot for connector bodies when used in cord sets.	HBL6024
Same as above except yellow elastomer.	HBL60CM24

*Note: * When installed and used properly with plug and connector body combinations.*

HBL6023

HBL6024

Closure Cover

Description	Catalog Numbers
For use with 3 wire 15A Twist-Lock flush or flanged receptacles.	HBL7529

HBL7529

PLUGOUT® Lockout Devices

Description	Catalog Numbers
Lockout device for 15A and 20A straight blade plugs.	HLDMP
Lockout device for attachable 20 and 30A plugs, straight body or angle types, with or without weatherproof covers.	HLD

Note: See section U for more information on PLUGOUT Lockout Devices.

3.14" (79.8)
4.22" (107.2)

HLDMP

4.27" (108.5)
7.27" (184.7)

HLD

Twist-Lock® Devices
Accessories
for 20 and 30 Ampere 3 Wire Receptacles and Flanged Devices

SS720

Single-Gang Wall Plates

	Rec. Plate 1.60" (40.64) Dia.
Description	**Catalog Numbers**
Black nylon, smooth.	**NP720BK**
Stainless steel 302/304, smooth.	**SS720**
Brass, smooth.	**SB720**

HBL7425WOA

Weatherproof Plates

IP44
SUITABILITY

Description	Catalog Numbers
Cast aluminum, for FS/FD box mounting.	**HBL7420**
Gray thermoplastic, for FS/FD box mounting, corrosion resistant.	**HBL7425WOA**
Same as above except yellow.	**HBL74CM25WOA**

Weatherproof Plate for Flanged Inlets and Flanged Receptacles

IP44
SUITABILITY

Description	Catalog Numbers
Gray thermoplastic, corrosion resistant.	**WP2**

Notes: Weatherproof plates are UL Listed for wet and damp location with cover closed. Those with suffix WOA are UL Listed with cover open.

WP2

Closure Cover for 3 Wire Flanged Inlets

Description	Catalog Numbers
Rubber closure plug.	**HBL2899**

Note: Closure cover not UL Listed. Not CSA Certified.

HBL2899

Twist-Lock® Devices
Accessories
for 20 and 30 Ampere, 3 Wire Plugs and Connector Bodies

IP55*
SUITABILITY

Insulgrip

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	Catalog Numbers
Black elastomer boot for plugs when used in a cord set and connector bodies when used in flanged inlets.	HBL6031
Same as above except yellow.	HBL60CM31
Black elastomer boot for connector bodies when used in a cord set.	HBL6032
Same as above except yellow.	HBL60CM32

Angle Adapter

Description	Catalog Numbers
Nylon, angle adapter for Insulgrip plugs and connector bodies, cord grip range .325"-.930" (8.3-24).	HBL3WAA

PLUGOUT® Lockout Devices

Description	Catalog Numbers
Lockout device for attachable 20 and 30A locking plugs, straight body or angle types, with or without weatherproof covers.	HLD
Lockout device for 20 and 30A 3 wire angle plugs and watertight Safety-Shroud® Twist-Lock plugs.	HLD2

Notes: See section U for more information on PLUGOUT Lockout Devices.
*   * When installed and used properly with plug and connector body combinations.*

HBL6031

HBL6032

HBL3WAA

Insulgrip Plug and Connector Body Latching Kit
The Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.

Insulgrip Latching Kit

Description	Catalog Numbers
For all 3 wire 20A and 30A Twist-Lock Insulgrip plugs and connectors.	SK2

SK2

IP55*
SUITABILITY

Valise®

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	Catalog Numbers
Yellow Seal-Tite® elastomer triple seal cover for use with Valise plugs when used in cord set and Valise connector bodies when used with flanged inlet.	HBL60CM31V**
Yellow Seal-Tite elastomer triple seal cover for use with Valise connector bodies.	HBL60CM32V**

Notes: * When installed and used properly with plug and connector body combinations.
*   ** Not UL Listed, CSA Certified.*

HBL60CM31V

HBL60CM32V

Twist-Lock® Devices
Accessories
for 20 and 30 Ampere, 4 and 5 Wire Receptacles and Flanged Devices

SS720

Single-Gang Wall Plates

**Rec. Plate
1.60" (40.64) Dia.**

Description	Catalog Numbers
Black nylon, smooth.	NP720BK
Stainless steel 302/304, smooth.	SS720
Brass, smooth.	SB720

HBL7425WOA

Weatherproof Plates

IP44
SUITABILITY

Description	Catalog Numbers
Cast aluminum, for FS/FD box mounting.	HBL7420
Gray thermoplastic, for FS/FD box mounting, corrosion resistant.	HBL7425WOA
Same as above except yellow.	HBL74CM25WOA

Weatherproof Plate for Flanged Inlets and Flanged Receptacles

IP44
SUITABILITY

Description	Catalog Numbers
Gray thermoplastic, corrosion resistant.	WP2

*Notes: Weatherproof plates are UL Listed for wet and damp locations with cover closed.
Those with suffix WOA are UL Listed with cover open.*

WP2

Twist-Lock® Devices
Accessories
for 20 and 30 Ampere, 4 and 5 Wire Plugs and Connector Bodies

IP55*
SUITABILITY

Insulgrip

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	Catalog Numbers
Seal-Tite® triple seal cover for plug when used on a cord set or when used with flush receptacles or connector bodies when used with flanged inlets. Black elastomer.	HBL6035
Same as above except yellow.	HBL60CM35
Seal-Tite triple seal cover for connector bodies, when used on interconnecting cord sets. Black elastomer.	HBL6036
Same as above except yellow.	HBL60CM36

HBL6035

Angle Adapter

Description	Catalog Numbers
Nylon, angle adapter for Insulgrip plugs and connectors, cord grip range .350"-1.15" (8.9-29.2).	HBL45WAA

HBL6036

PLUGOUT® Lockout Device

Description	Catalog Numbers
Lockout device for attachable 20 and 30A plugs, straight body or angle types, with or without weatherproof covers.	HLD
Lockout device for 20 and 30A 4 and 5 wire angle plugs and watertight Safety-Shroud® Twist-Lock plugs.	HLD2

Notes: See section U for more information on PLUGOUT Lockout Devices.
* When installed and used properly, with plug and connector body combinations.

HBL45WAA

Insulgrip Plug and Connector Body Latching Kit
When you want to make doubly sure that plugs and connector bodies stay connected, the Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.

Insulgrip Latching Kit

Description	Catalog Numbers
For all 4 and 5 wire 20 and 30A Twist-Lock Insulgrip plugs plugs and connectors.	SK3

SK3

4.27" (108.5)
7.27" (184.7)
HLD

6.31" (160.3)
12.5" (317.5)
HLD2

Twist-Lock® Devices
Safety-Shroud® Twist-Lock® Accessories

Non-Metallic Angle Box

Metallic Angle Box

Metallic Feed Thru Box

HBL2030AP

AA2030PS

15° Angle Non-Metallic Back Box

Description	N.P.T. Hub K.O.	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Numbers
For 20 and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1" (27)	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00" (76.2)	**BB2030N**

Notes: Hub is not included; order Raco part number 1704. This box meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

15° Angle Metallic Back Boxes

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Numbers
For 20 and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾" (21)	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
	1" (27)	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**

Metallic Feed Thru Back Boxes

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Numbers
For 20 and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾" (21)	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
	1" (27)	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

Notes: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. N.P.T. (metric designator).

Straight Watertight Wall Box Adapter

Description	Catalog Numbers
Adapts 20A and 30A Watertight Safety-Shroud® Twist-Lock receptacles and inlets to two gang, device mount, FD boxes.	**HBL2030AP**

Non-Watertight Angle Wall Box Adapter

Description	Catalog Numbers
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to single or two-gang standard wall boxes (4" or 4¹¹⁄₁₆" square).	**AA2030PS**

Safety-Shroud Twist-Lock Receptacles (Recommended Installations)

The Safety-Shroud Twist-Lock single-gang receptacles were designed to mount in virtually all standard and FS/FD type boxes, allowing easy conversion of existing NEMA locking receptacles to Safety-Shroud Twist-Lock Receptacles.

The semi-flush receptacles install in (RACO type 242/255) boxes, with ½ raised two-gang device mount covers (RACO type 778/841) and a two-gang FD type box. Standard 4" and 4¹¹⁄₁₆" square boxes 2⅛" deep.

Single-Gang Angle and Straight Receptacles

Two-Gang Semi-Flush Receptacle

HUBBELL

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Twist-Lock® Devices
50 Ampere Plugs and Connector Bodies:
The Difference Is Insulgrip®...and a Whole Lot More
Features and Benefits

Super tough nylon housing offers better impact qualities.

Thermoplastic polyester interior provides heat resistance and impact strength.

Housing assembly latch slotted to fit standard flat-blade screwdriver providing secure assembly and fast disassembly for wiring.

Stainless steel shroud restricts mismating with the wrong device.

Padlock capable shroud allows compliance to OSHA lockout tagout regulation 29 CFR 1910 .147.

6/6 nylon nose – thermoplastic polyester terminal cover provides heat resistance in terminal area and impact strength of nose piece.

Three-piece thermoplastic clamp assembly with stainless steel fast lead screws provides a more consistent, durable grip. Sealed cable entry keeps out moisture and dust.

Box terminal with hex socket threaded slug is superior because it permits high clamping pressure on conductors without damaging strands.

One-piece grounding contact on 4-wire devices provides a more reliable grounding system for a safer device.

Hubbell's 50 Amp Twist-Lock devices features heavy-duty design built for heavy-duty applications. These Hubbell 50A Twist-Lock plugs and connector bodies are built to go where you need power...even in some of the harshest environments.

On the outside, 50A plugs and connectors are made of Super tough nylon for better impact resistance. On the plug, the stainless steel shroud not only provides protection and durability, but safety as well. That's because the rigid construction restricts distortion, thus minimizing the possibility of mating incorrect devices.

On the inside are the kinds of features that separate Hubbell from all the rest. The cord grip has been designed with offset gripping jaws to securely hold the conductors – not just the cord jacket. Hubbell's box terminals speed wiring and provide a superior termination. The plug's thermoplastic polyester interior provides excellent heat resistance without compromising strength.

In all, it's the combination of function and performance that Hubbell demands of all its products. And it's why we'll never add a feature that compromises performance.

Twist-Lock® Devices
50 Ampere, 125, 250 Volts and 480 Volts AC
2 Pole, 3 Wire Grounding
Plugs, Flanged Inlets, Connector Bodies and Receptacles

6.38"
(162.0)

2.59"
(65.8)

CS8265C

IP20
SUITABILITY

50A 125V 50A 250V 50A 480V AC

Plugs

Description	Cord Dia.	Catalog Numbers		
Nylon housing, thermoplastic polyester interior.	.830"-1.100" (21.08-28.19)	CS6361C	CS8265C	CS8465C

Accessories on page B-60.

3.50"
(88.9)

90°

1.50"R
(38.0)

.19"
(4.8)
DIA.

2.62"
(66.5)

2.17"
(55.1)

CS8275

Flanged Inlets

Description	Catalog Numbers		
Zinc plated steel casing, thermoplastic interior.	CS6377†	CS8275	CS8475†

6.34"
(161.0)

2.59"
(65.8)

CS8264C

IP20
SUITABILITY

50A 125V 50A 250V 50A 480V AC

Connector Bodies

Description	Cord Dia.	Catalog Numbers		
Nylon housing, thermoplastic polyester interior.	.830"-1.100" (21.08-28.19)	CS6360C	CS8264C	CS8464C

Accessories on page B-60.

2.13"
(54.1)

2.69" 3.28"
(68.3) (83.3)

1.03"
(26.2)

2.44"
(62)

CS8269

Receptacles

Description	Catalog Numbers		
Black melamine.	CS6370	CS8269	CS8469†

Accessories on page B-60.

Notes: †Not CSA Certified.
For Technical Information see page B-71.

Twist-Lock® Devices
50 Ampere, 125/250, 3Ø 250 Volts and 3Ø 480 Volts AC
3 Pole, 4 Wire Grounding
**Plugs, Flanged Inlets, Connector Bodies
and Receptacles**

IP20 SUITABILITY

50A 125/250V UL/CSA | 50A 3Ø 250V AC UL/CSA | 50A 3Ø 480V AC UL/CSA

Plugs

Description	Cord Dia.	Catalog Numbers		
Nylon cover, thermoplastic polyester interior.	.920"-1.2" (23.68-30.48)	**CS6365C**	**CS8365C**	**CS8165C**

Accessories on page B-60.

CS6365C

Flanged Inlets

Description	Catalog Numbers		
Zinc plated steel casing, thermoplastic polyester interior.	**CS6375**	**CS8375**	**CS8175**

CS6375

IP20 SUITABILITY

50A 125/250V UL/CSA | 50A 3Ø 250V AC UL/CSA | 50A 3Ø 480V AC UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Numbers		
Nylon cover, thermoplastic polyester interior.	.920"-1.2" (23.68-30.48)	**CS6364C**	**CS8364C**	**CS8164C**

Accessories on page B-60.

CS6364C

Receptacles

Description	Catalog Numbers		
Black melamine.	**CS6369**	**CS8369**	**CS8169**

Accessories on page B-60.

CS6369

Twist-Lock® Devices
50 Ampere, 250 Volts DC and 600 Volts AC
2 Pole, 3 Wire Grounding
Plugs, Flanged Inlets, Connector Bodies and Receptacles

6.38"
(162.0)

2.59"
(65.8)

HBL3763C

(88.9)
90°

1.50"R
(38.0)

.19"
(4.8)
DIA.

2.17"
(55.1)

2.62"
(66.5)

HBL3777

IP20
SUITABILITY

50A 250V DC
50A 600V AC

Plugs

Description	Cord Dia.	Catalog Numbers
Nylon housing, thermoplastic polyester interior.	.830"-1.100" (21.08-28.19)	**HBL3763C**

Accessories on page B-60.

Flanged Inlets

Description	Catalog Numbers
Zinc plated steel casing, thermoplastic interior.	**HBL3777**
Zinc plated steel casing, thermoplastic interior with lift cover.	**HBL3767**

2.63"
(66.8)
1.50"R
(38.0)

2.19"
(55.6)

.19"
(4.8)
DIA.

90°

3.50"
(88.9)

HBL3767

6.34"
(161.0)

.63"
(16.0)

2.59"
(65.8)

HBL3762C

IP20
SUITABILITY

50A 250V DC
50A 600V AC

Connector Bodies

Description	Cord Dia.	Catalog Numbers
Nylon housing, thermoplastic polyester interior.	.830"-1.100" (21.08-28.19)	**HBL3762C**

Accessories on page B-60.

Receptacles

Description	Catalog Numbers
Black melamine.	**HBL3771**

Accessories on page B-60.

Note: For Technical Information see page B-71.

2.13"
(54.1)

2.69" 3.28"
(68.3) (83.3)

1.03"
(26.2)

2.44"
(62)

HBL3771

HUBBELL®
Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Twist-Lock® Devices
50 Ampere, 250 Volts DC and 600 Volts AC
3 Pole, 4 Wire Grounding
Plugs, Flanged Inlets, Connector Bodies and Receptacles

Important Note: Catalog numbers HBL7379, HBL7764C, HBL7765C, HBL7958, HBL7968 are for replacement use only. See other singly rated 50A Twist-Lock® devices in this section. HBL3700 series Twist-Lock devices do not interchange with any other devices in this section.

Plugs

Description	Cord Dia.	Catalog Numbers	
Nylon cover, thermoplastic polyester interior.	.920"-1.20" (23.68-30.48)	**HBL3765C**	**HBL7765C**

Accessories on page B-60.

Flanged Inlets

Description	Catalog Numbers	
Zinc plated steel casing, with lift cover.	**HBL3768**	**HBL7968**
Zinc plated steel casing, without lift cover.	**HBL3775**	**HBL7958**

Connector Bodies

Description		Catalog Numbers	
Nylon cover, thermoplastic polyester interior.	.920"-1.20" (23.68-30.48)	**HBL3764C**	**HBL7764C**

Accessories on page B-60.

Receptacles

Description	Catalog Numbers	
Black melamine.	**HBL3769**	**HBL7379**

Accessories on page B-60.

HBL3765C

HBL3768

HBL3775

HBL3764C

HBL3769

50 Ampere Twist-Lock Accessories

HBL7774WO

HBL7770

HBL7382

HBL50SC

SS750

IP44
SUITABILITY

Weatherproof Receptacle Lift Cover Plates for FS/FD Box Mounting

Description	Catalog Numbers
Corrosion resistant, gray thermoplastic.	**HBL7774WO**
Same as above except yellow.	**HBL77CM74WO**
Cast aluminum.	**HBL7770**

Note: See section K for more information on weatherproof plates.

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Numbers
Cast aluminum with lift cover.	**HBL7382•***
Same as above less lift cover.	**HBL7383•**
Stainless steel plate.	**SS750**

Receptacle Box Cover

Description	Catalog Numbers
Galvanized Steel fits 4" square or 2-gang box	**HBL50SC**
Stainless steel wall plate.	**SS750**

IP55**
SUITABILITY

Weatherproof Boots

Description	Catalog Numbers
Seal-Tite® triple seal black elastomeric cover for plugs when used in a cord set and connector bodies when used with flanged inlets.	**HBL7716C****
Seal-Tite triple seal black elastomeric cover for connector bodies when used with cord sets.	**HBL7717C†**

Closure Cover

Description	Catalog Numbers
Black closure plug.	**HBL4892†**

Replacement Parts

Description	Catalog Numbers
Cord clamp Kit.	**HBLCSCK**

Notes: • *Will only fit non-"CS" type 50A Twist-Lock receptacles.*
      * *Not UL Listed "WDL Closed".*
      ** *When installed and used properly with plug and connector body combinations.*
      † *Not UL Listed.*

HBL7716C

HBL7717C

HBL4892

HBLCSCK

   HUBBELL®   **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Hubbellock® Devices
Plugs and Connector Bodies
Features and Benefits

Three-piece thermoplastic clamp assembly with fast-lead stainless screws provides a more consistent durable grip. Grommets provide a sealed cable entry that protects against the entry of moisture and dust.

Superior wire terminations are assured with box terminals and screws with pressure pads. This design captures stray wire strands and permits more clamping pressure on the wire without damaging it. Loosening of terminations and resulting heat build-up are greatly reduced.

Impact resistance in the interior of the female device comes from a strong thermoplastic material.

No "lazy" connections because a spring-loaded safety shutter automatically ejects the plug if it hasn't been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up.

Arcs are snuffed out, when devices are mated or unmated under load, by spring-loaded safety shutter.

Longer contact life is assured by supplementary springs. Other devices rely just on contacts themselves to provide proper contact pressure.

Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter.

Positive locking is ensured by the nose of the plug being keyed into a detent in female device. This lock is independent of the contacts or a separate mechanical lock.

Insulated non-metallic housing enhances safety and abuse resistance.

Notes: Above cut-away view and call-outs are construction elements pertaining specifically to the 30A Hubbellock series. While the Hubbellock contact interface design applies to all, there are construction elements that are different, depending on the amperage.

Hubbellock® Devices
20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Plug, Connector Body, Receptacle and Accessories

3.22" (81.8)

1.72" (43.7)

2.31" (58.7)

HBL23035B

#6-32 TAP

2.50" (63.5)

1.38" (35.1) **2.38"** (60.5) **3.28"** (83.3)

1.66" (42.2)

HBL23030

3.56" (90.4)

1.72" (43.7) **1.63"** (41.4)

HBL23032B

IP30
SUITABILITY

GR
W
20A 125V

Plug

Description	Cord Dia.	Catalog Numbers
Nylon housing, thermoset interior.	.32"-.66" (8.12-16.5)	**HBL23035B**

GR
W
20A 125V

Connector Body

Description	Cord Dia.	Catalog Numbers
Nylon housing, thermoset interior.	.32"-.66" (8.12-16.5)	**HBL23032B**

GR
W
20A 125V

Receptacle

Description	Catalog Numbers
Black phenolic, back wired.	**HBL23030**

Note: Devices listed above are not interchangeable with any other Hubbellock device listed in this catalog.

HBL7423WO

Accessories

Weatherproof Covers

Description	Catalog Numbers
Gray polycarbonate for FS/FD box mounting, corrosion resistant. **IP44** SUITABILITY.	**HBL7423WO**
Same as above except yellow.	**HBL74CM23WO**
Cast aluminum, lift cover for indoor use only (not shown).	**HBL23007**

Hubbellock® Devices
20 Ampere, 125 Volts AC or DC, 10 Ampere, 250 Volts DC, 480 Volts AC
2 Pole, 3 Wire Grounding
**Plug, Connector Body, Receptacle
and Accessories**

IP30 SUITABILITY

Plug

20A 125V

Description	Cord Dia.	Catalog Numbers
Nylon housing, thermoset interior.	.32"-.66" (8.12-16.5)	**HBL23005GB**

2.31" (58.7)
1.72" (43.7)
3.22" (81.8)

HBL23005GB

Connector Body

20A 125V

Description	Cord Dia.	Catalog Numbers
Nylon housing, thermoset interior.	.32"-.66" (8.12-16.5)	**HBL23002GB**

1.66" (42.2)
2.50" (63.5)
1.38" (35.1)   2.38" (60.5)   3.28" (83.3)
#6-32 TAP

HBL23000G

Receptacle

20A 125V

Description	Catalog Numbers
Black phenolic, back wired.	**HBL23000G**

3.56" (90.4)
1.72" (43.7)
1.63" (41.4)

HBL23002GB

Accessories

Weatherproof Covers

Description	Catalog Numbers
Gray polycarbonate for FS/FD box mounting, corrosion resistant. **IP44** SUITABILITY.	**HBL7423WO**
Same as above except yellow.	**HBL74CM23WO**
Cast aluminum, lift cover for indoor use only (not shown).	**HBL23007**

HBL7423WO

Hubbellock® Devices
30 Ampere, 600 Volts AC, 20 Ampere, 250 Volts DC
3 Pole, 4 Wire Grounding and 4 Pole, 5 Wire Grounding
Plugs and Flanged Inlets

.88"
(22.4)
4.75"
(120.7)
2.33"
(59.2)

HBL21415B

.88"
(22.4)
4.75"
(120.7)
2.33"
(59.2)

HBL20445B

.88"
(22.4)
4.75"
(120.7)
2.50"
(63.5)
2.33"
(59.2)

HBL25415B

4.56"
(115.8)
3.25"
(82.6)
5.31"
(134.9)
2.69"
(68.3)

HBL21447

IP30
SUITABILITY

| | 3P 4W | 3P 4W | 4P 5W |

30A 600V AC
20A 250V DC

30A 480V AC

30A 600V AC
20A 250V DC

Plugs

Description	Cord Dia.	Catalog Numbers		
Black nylon housing, thermoplastic interior.	.70"-1.20" (17.78-30.5)	**HBL21415B**	–	–
Same as above except corrosion resistant.	.70"-1.20" (17.78-30.5)	**HBL21CM415B**	–	–
Red nylon housing, thermoset interior.	.70"-1.20" (17.78-30.5)	–	**HBL20445B**†	–
Black nylon housing, thermoset interior, steel shroud.	.76"-1.20" (19.30-30.4)	–	–	**HBL25415B**

Accessories on page B-68.

Note: †Not CSA Certified.

Flanged Inlets

Description	Catalog Numbers		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting.	**HBL22CM428**	–	–
Black phenolic interior, aluminum housing, for FS/FD box mounting (not shown).	**HBL20418**	–	–
Aluminum angle housing, with ¾" N.P.T. topped hub for surface mounting.	**HBL21447**	–	–

SEHBL3 - Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle. Receptacle not included. See page B-37 for more information.

Hubbellock® Devices
30 Ampere, 600 Volts AC, 20 Ampere, 250 Volts DC
3 Pole, 4 Wire Grounding and 4 Pole, 5 Wire Grounding
Connector Bodies and Receptacles

IP30 SUITABILITY

3P 4W
30A 600V AC
20A 250V DC

3P 4W
30A 480V AC

4P 5W
30A 600V AC
20A 250V DC

Connector Bodies

Description	Cord Dia.	Catalog Numbers		
Black nylon housing, thermoplastic interior.	.70"-1.20" (17.78-30.5)	HBL21414B	–	–
Same as above except corrosion resistant.	.70"-1.20" (17.78-30.5)	HBL21CM414B	–	–
Red nylon housing, thermoset interior.	.70"-1.20" (17.78-30.5)	–	HBL20444B	–
Black nylon housing, thermoplastic interior.	.70"-1.20" (17.78-30.5)	–	–	HBL25414B

Accessories on page B-68.

.88" (22.4) 5.08" (129.0) 2.44" (62.0)

HBL21414B

.88" (22.4) 5.08" (129.0) 2.44" (62.0)

HBL20444B

.88" (22.4) 5.91" (150.1) 2.5" (63.5) 2.69" (68.3)

HBL25414B

Receptacles

Description	Catalog Numbers		
Black phenolic.	HBL20403	–	–
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting. **IP44** SUITABILITY.	HBL22CM427	–	–
Aluminum angle housing, with ¾" topped hub for surface mounting. **IP44** SUITABILITY.	HBL21420	–	–
Black phenolic, red center insert.	–	HBL20443	–
Black phenolic interior, aluminum housing, blue finish, for FS/FD box mounting.	–	–	HBL25403
Black phenolic interior, aluminum weatherproof housing, blue finish, for FS/FD box mounting. **IP44** SUITABILITY.	–	–	HBL25250

Accessories on page B-68.

1.75" (44.5) 1.22" (31.0) 3.28" (83.3) 2.69" (68.3) 1.94" (49.3) 1.94" (49.3)

HBL20403

4.56" (115.8) 3.25" (82.6) 5.31" (134.9) 2.69" (68.3)

HBL21420

4- #6-32 SCREWS 3.00" (76.2) 4.56" (115.8) 3.25" (82.6) 1.88" (47.8) 2.84" (72.1)

HBL25250

2.84" (72.1) 1.88" (47.8) 4- #6-32 SCREWS 4.56" (115.8) 3.25" (82.6) 1.66" (42.2) 2.48" (49.3)

HBL25403

1.94" (49.3) 1.22" (31.0) 3.28" (83.3) 2.69" (68.3) 1.94" (49.3)

HBL20443

60 Ampere, 600 Volts AC
3 Pole, 4 Wire Grounding and 4 Pole, 5 Wire Grounding
Plugs and Flanged Inlets

4.81"
(122.2)   1.09"
(27.7)

3.03"
(77.0)

HBL26419

4.81"
(122.2)   1.09"
(27.7)

3.03"
(77.0)

HBL26519

IP30
SUITABILITY

3P 4W
X
Y   GR
Z
60A 600V

4P 5W
X   W
Y   GR
Z
60A 600V AC

Plugs

Description	Cord Dia.	Catalog Numbers	
Black phenolic interior with yellow thermoplastic sleeve over steel housing.	.92"-1.45" (23.36-36.83)	**HBL26419**	–
Black phenolic interior with blue thermoplastic sleeve and steel housing.	1.00"-1.50" (25.40-38.10)	–	**HBL26519**

3.94"
(100.1)
2.73"
(69.3)

2.69"
(68.3)   4.13"
(104.9)
3.50"
(88.9)

HBL26422

3.94"
(100.1)
2.73"
(69.3)

2.69"
(68.3)   4.13"
(104.9)
3.50"
(88.9)

HBL26522

Flanged Inlets

Description	Catalog Numbers	
Black phenolic interior with steel housing and flange.	**HBL26422**	–
Black phenolic interior with steel housing and flange with blue finish.	–	**HBL26522**

Hubbellock® Devices
60 Ampere, 600 Volts AC
3 Pole, 4 Wire Grounding and 4 Pole, 5 Wire Grounding
Connector Bodies and Receptacles

IP30
SUITABILITY

3P 4W
60A 600V

4P 5W
60A 600V AC

1.09" (27.7) 4.88" (124.0) 3.19" (81.0)

HBL26418

Connector Bodies

Description	Cord Dia.	Catalog Numbers	
Black phenolic interior with yellow thermoplastic sleeve over steel cover.	.92"-1.45" (23.36-36.83)	**HBL26418**	–
Black phenolic interior with blue thermoplastic sleeve over steel cover.	1.00"-1.50" (25.40-38.10)	–	**HBL26516**

1.09" (27.7) 5.44" (138.2) 3.19" (81.0)

HBL26516

Receptacles

Description	Catalog Numbers	
Black phenolic interior with short aluminum housing and lift cover.	**HBL26410**	–
Black phenolic interior with long aluminum housing and lift cover.	**HBL26420**	–
Black phenolic interior with long aluminum housing with lift cover and blue finish. **IP44** SUITABILITY.	–	**HBL26520**

4.88" (123.9) 3.63" (92.2) 3.50" (88.9) sq. 2.88" (73.2)

HBL26520

Flanged Receptacles

Description	Catalog Numbers	
Black phenolic interior with steel housing and flange. **IP44** SUITABILITY.	**HBL26421**	–
Black phenolic interior with steel housing and flange with blue finish.	–	**HBL26521**

1.75" (44.5) 1.84" (46.7) 3.63" (92.2) 3.50" (88.9) sq. 2.88" (73.2) .25 DIA.

HBL26410

4.88" (124.0) 3.63" (92.2) 3.50" (88.9) sq. 2.88" (73.2)

HBL26420

4.53" (102.13) 2.69" (68.3) 2.86" (72.6) 4.12" (104.6) 3.31" (84.1)

HBL26521

4.52" (114.8) 3.31" (84.1) 2.69" (68.3) 4.13" (104.9) 3.50" (88.9) 2.86" (72.6)

HBL26421

Hubbellock® Devices
Hubbellock® Accessories

HBL20405

SEHBL3

SAB12, SAB34

HBL20424B

HBL20425B

30 Amp Hubbellock® Accessories

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Numbers
Cast aluminum weatherproof, lift cover plate.	**HBL20405**
Cast aluminum, weatherproof, red finish (not shown).	**HBL20446**
302/304 stainless, single gang, smooth (not shown).	**SS737**

Switched Enclosure   IP54 SUITABILITY

Description	Catalog Numbers
Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle. Receptacle not included.	**SEHBL3**

Note: For more information on switched enclosures see page B-37.

Liquidtight Metallic Conduit Adapters (Not Shown)

Description	Catalog Numbers
Adapter for use with ½" N.P.T. conduit fittings.	**SAB12**
Adapter for use with ¾" N.P.T. conduit fittings.	**SAB34**

Boots

Description	Catalog Numbers
"Mini" boot for Hubbellock connector body.	**HBL20424B†**
"Mini" boot for Hubbellock plug.	**HBL20425B†**

Note: †Not UL Listed or CSA Certified.

60 Amp Hubbellock® Accessories

Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Numbers
Box, cast aluminum, only for 60A Hubbellock® receptacles.	**HBL26401**
Straight adapter plate.	**HBL26402**
45° adapter plate.	**HBL26404**

Notes: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.

Kellems® Cable Grip

Description	Cord Diameter	Catalog Numbers
Cable grip (not shown).	.83"-1.00" (21.1-25.4)	**H660A**

HBL26401

HBL26402

HBL26404

Twist-Lock® and Safety Shroud Devices
Technical Information
15-30 Ampere Twist-Lock, 20-30 Ampere Safety-Shroud® Twist-Lock

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Fed. Spec. W-C-596 (Insulgrip® and Safety-Shroud®).
Certified to CSA Standard C22.2 No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Materials

Part	Materials
Plugs and Connector Bodies (Insulgrip®)	**15-30A**
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black nylon (yellow in "CM" devices)
Cord Clamp	Natural (white) nylon
Dust Shield	EPDM
Blades/Contacts	Brass
Terminal Clamp	Cold rolled steel – nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Cord Clamp Screws	Steel, zinc plated
Body Holding Screws	Steel, zinc plated

Part	Materials
Flanged Inlet/ Receptacles	**15-30A**
Flanged Casing	Natural (white) nylon
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades/Contacts	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Cold rolled steel, nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Screws Screw Sizes	Nickel plated brass round head screws 15A: 6-32, ⅜" long 20A and 30A: 8-32, ⁷⁄₁₆" long

Receptacle, Single	15A	20A and 30A
Cover (Top)	Nylon (Black)	Nylon (Black)
Base	RTP (Black)	RTP (Natural)
Contact Springs	.031" Brass	.040" Brass
Clamp	.031" Brass	.040" Brass
Ground Contact	.031" Brass	.040" Brass
Ground Shunt	–	.015" Brass
Bridge (Mounting Strap)	.050" Steel, zinc plated	–
End Plates (Mounting)	–	.050" Brass
Back Plate	–	.040" Brass
Terminal Screws	Brass (8-32)	Brass (10-32) (white finish on neutral screw when used)
Grounding Screw	Brass (Green)	Bronze (Green)
Flat Head Mounting Screws	Steel, zinc plated	Steel, zinc plated
Auto Ground Clip	Stainless steel	Stainless steel (Used only on IG receptacle)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Part	Materials
Safety-Shroud® Receptacles Angle, Surface Semi-Flush	**20-30A**
Housing and Mounting Flange	Gray Valox®
Mounting Plate (Angle Housing Only)	Galvanized steel
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Body Holding Screws	Steel, zinc plated
Contact Springs	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Terminal Screws	10-32 Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Plate Screws	Steel, zinc plated
Wall Plate Mounting Screws	Steel, zinc plated

Safety-Shroud Twist-Lock Plug	**20-30A**
Insulgrip Plug with Safety-Shroud installed	
Safety-shroud	White Valox®
Cord Clamp	White nylon

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise Fed. Spec.	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Mechanical

Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation (Insulgrip)	15A: .230"-.720" (5.8-18.3); 20A and 30A 3W: .360"-.930" (9-24); 20A and 30A 4W-5W: .350"-1.150" (9-29).
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	20A and 30A, #16-#8 AWG. 15A, #18-#10 AWG. Solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device housing.

Environmental

Flammability (Enclosure)	HB or better per UL94/CSA 22.2 No. 0.17.
Plugs, Connectors, Flanged Receptacles and Flanged Inlets Receptacles (Box Mount)	V2 or better.
Operating Temperatures	Maximum Continuous 75° C. Minimum -40° C (w/o impact).

Watertight Safety-Shroud® Twist-Lock® Devices
Technical Information
20 and 30 Ampere

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).
Fed. Spec. WC-596.
UL Listed, CSA Certified to Type 4, 4X and Type 12.

Part	Materials
Watertight Safety-Shroud® Plug (Insulgrip®)	**20 and 30A**
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Blades	Brass
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Clamp Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Neoprene EPDM Blend
Watertight Safety-Shroud Connector (Insulgrip®)	**20 and 30A**
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Contact Spring	Brass
Spring Binding Plate	Brass
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screws when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Grip Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Polypropylene with Neoprene gasket
Watertight Safety-Shroud Receptacle, Single*	**20 and 30A**
Housing and Flange	Gray Valox
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Drive Screws	Steel, zinc plated
Contact Spring	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Flange Gasket	Closed-cell neoprene foam
Lid Gasket	Closed-cell neoprene foam
Cover Hinge Pin	Stainless steel 302/304
Cover Spring	Stainless steel 302/304
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Mounting Screws	Stainless steel 302/304 combination head
Watertight Safety-Shroud Flanged Inlet	**20 and 30A**
Housing and Flange	Gray Valox
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw - when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Closure Cap	Neoprene EPDM blend
Mounting Screws	Stainless steel 302/304 combination head

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30 deg. temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Mechanical

Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation	20 and 30A, 3W: .32"-.93" (8.1-24.0mm) #16-3 Type SJ-#8-3 Type S,SO; 20 and 30A, 4W: .35"-1.15" (9.0-29.2mm) #16-4 Type SJ-#8-4 Type S, SO; 20 and 30A, 5W: .35"-1.15" (9.0-29.2mm) #16-5 Type S,SO - #8-5 Type S,SO.
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	#16- #8 AWG solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device blade holder, and are also labeled on device color coded by voltage, visible in use. Catalog No. I.D. is on device visible in use.

Environmental

Moisture Resistance	Type 4, 4X, 12, IP66 suitability.
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (w/o impact).

Note: *Suitable for use as a flanged receptacle.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
Technical Information
50 Ampere
Twist-Lock Listing and Specifications

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No. 42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Materials

Part	Materials
Plug (Twist-Lock)	**50A**
Blade Holder	Thermoplastic polyester (black)
Power Blades	Brass
Terminal Set Screw	Stainless steel
Terminal Retainer	Thermoplastic polyester
Front and Rear (housing)	Supertough nylon
Cord Clamp	Thermoplastic polyester (white)
Seal	Neoprene
Seal Cup	Nylon
Box Terminal	Copper
Latches	Supertough nylon
Ground Contact Spring	One piece copper/nickel
Cord Clamp Screws	302/304 Stainless steel
Shroud	302/304 Stainless steel
Connector (Twist-Lock)	**50A**
Contact Nose	Nylon (black)
Terminal Retainer	Thermoplastic polyester (black)
Terminal Set Screw	302/304 Stainless steel
Contact Spring	Brass
Assembly Ring	302/304 Stainless steel
Front and Rear (housing)	Supertough nylon (black)
Latches	Supertough nylon (white)
Cord Clamp	Thermoplastic polyester (white)
Box Terminal	Copper
Contact Holder	Thermoplastic polyester (black)

Part	Materials
Ground Contact	One piece copper/nickel
Seal Cup	Nylon
Cord Grip screws	302/304 Stainless steel
Seal	Neoprene
Flanged Inlet	**50A**
Flanged Casing	.062" Steel, zinc plate
Blade Holder	Phenolic
Pressure Screws	Steel, zinc plate
Blades	.100" Brass
Ground Spring	.025" Bronze
Terminals	.050" Steel, brass finish
Grounding Terminal	.062" Copper, green finish
Round Head Screws	Steel, zinc plate
Receptacle	**50A**
Body	Phenolic
Face	Phenolic
Contact Springs	.100" Brass alloy
Contact Binding Plates	.100" Brass
Ground Contact	.031" Brass
Insulator	.093" Laminated phenolic
Bridge (Mounting Strap)	.062" Steel, zinc plate
Pressure Screws	Steel, zinc plate
Terminals	.050" Steel
Casing	.062" Steel, zinc plate
Center Pin (CS Devices)	Steel, zinc plate

Product Identification

Ratings	Molded into face for all devices and stamped into stainless steel shroud on plug devices.
Catalog Number	Molded into face for plug and connector bodies and stamped into stainless steel shroud on plug devices.

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current (UL 498).

Mechanical

Terminal Accommodation	#10 AWG min. - #6 AWG max. Solid or stranded copper wire only.
Cord Grip Accommodation	.750"-1.150" (19.1-29.2).

Environmental

Flammability	UL 94 V0 for Receptacles and Inlets. HB or better for Plugs and Connectors.
Operating Temperatures	Maximum continuous 75°C; minimum – 40°C (w/o impact).

Please consult the factory for product dimensions and specifications for other products listed in this catalog.

Switched Safety Enclosures
Technical Information
Switched Twist-Lock® and Hubbellock® Enclosures

Specifications

Typical Specifications

Manufacturer's Identification	Hubbell SETL3/SEHBL3-SE2730A.
Description	Lockable Switched Enclosure.This unit is a complete enclosure ready to accept any 20 or 30A Twist-Lock or 30A Hubbellock receptacle.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	20 or 30A, 125V through 3ØY 347/600V AC.
Configuration	NEMA Locking L5-20R through L23-30R.
Enclosure Type	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Materials
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Molded neoprene
Frame	Galvanized steel
Lift Cover	Valox®
Enclosure Screws	Stainless steel 300 series
Hinge Spring and Pin	Stainless steel 300 series

Performance

Electrical

Dielectric Voltage	Withstands 3,000V minimum.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label and receptacle face.
Weight	3.5 pounds.
Mounting	External fully adjustable feet.

Environmental

Moisture Resistance	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Flammability	UL94 – 5 VA and V0 classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All materials are UV stabilized.

Note: This device provdes on/off switched control of a plug connected load and includes lockout provision: ON-OFF control knob (in the OFF position) accepts up to a ⁵⁄₁₆" (8.0) diameter shackle of suitable padlock lockout device to isolate energy from the receptacle and cord connected equipment as a method of compliance to OSHA Lockout/Tagout Regulation 29CRF Part 1910.147.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Switched Safety Enclosures
Technical Information
Circuit-Lock® Unfused Safety-Shroud® Twist-Lock®
Mechancial Interlock

Specifications

Typical Specifications

Manufacturer's Identification	Hubbell HBLMITL.
Description	Circuit-Lock Mechanical Interlock.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	Up to 30A, 600V AC 3Ø.
Enclosure Type	Outdoor – 4X (Watertight, Washdown); Indoor – 12K (Dust-tight, Falling Dirt and noncorrosive liquids with knockout. IP66 suitability.
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Material
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Neoprene
Frame	Galvanized steel
Enclosure Screws	Stainless steel 300 series

Performance

Electrical

Dielectric Voltage	Withstands 3,000V Min.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA.
Product Identification	Identification and ratings are part of the external label and receptacle face.
Weight	3.5 pounds.
Mounting	External full adjustable feet.

Environmental

Moisture Resistance	Outdoor – 4X (Hose-Directed Water, Corrosion Resistance), IP66 suitability.
Flammability	Meets UL 94V0 material classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All exposed materials are UV stabilized.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Twist-Lock® Devices
Technical Information
Valise® Plugs and Connectors

Specifications

Plugs	Part	Description
Typical Specification - Catalog No. HBL4723VY.	Plug	15, 20 and 30A
Manufacturer's Identification - Hubbell HBL4723VY.	Housing	Nylon
	Blades	Brass
Description - Straight Body Plug	Ground Blade	Brass
Type – 2 Pole, 3 Wire, Grounding	Terminal Screws	Steel multiple drive
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V	Cable Inserts	Polyphenylene Oxide
Certification – UL Listed File E1706, CSA Certified	Terminal Clamps	CR Steel
File LR280C	Body Holding Screws	Steel multiple drive
IP Suitability – **IP20**		

Connector Bodies	Part	Connector
Typical Specification- Catalog No. HBL4729VY	Connector	15, 20 and 30A
Manufacturer's Identification - HBL4729VY	Housing	Nylon
	Contact and Ground Springs	Brass
Description – Straight Body Connector	Terminal Screws	Steel multiple drive
Type – 2 Pole, 3 Wire, Grounding	Cable Inserts	Polyphenylene Oxide
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V	Terminal Clamps	CR Steel
Certification – UL Listed File E1706, CSA Certified	Body Holding Screws	Steel multiple drive
File LR280C		
IP Suitability – **IP20**		

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V, 250V or 277V AC as rated.
Current Interrupting	Certified for full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current.

Mechanical

Terminal Identification	Screw Color per UL 498 (Brass, White and Green).
Terminal Accommodation	15A-18 to 12AWG. Solid or stranded copper wire only.
	20A-18 to 10AWG. Solid or stranded copper wire only.
	30A-14 to 8AWG. Solid or stranded copper wire only.
Product Identification	Molded rating on device face.
Torque	12 in-lb terminal screws, 7 in-lb assembly screws.

Cord Range

15A	.220" to .660" (5.6mm to 16.8mm).
20A	.325" to .720" (8.26mm to 18.3mm).
30A	.590" to .930" (15.0mm to 23.6mm).

Environmental

Flammability	UL 94HB.
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact).

Standards

NEMA WD1
NEMA WD6
Listed to UL Standard UL498
Certified to CSA Standard C22.2 No. 42

Section C
Switches
Switched Enclosures

Index

Toggle Switches

Motor Controllers

Unfused Disconnect Switches

Fused Disconnect Switches

Index

Switches

Switches
HBL® Extra Heavy Duty Industrial Grade
Features and Benefits

Thread cleaning captive mounting screw.

Steel, nickel plated bridge is corrosion resistant.

Strip gauge for accurate wiring.

Large silver alloy contacts reduce contact erosion providing long life.

Prominent amperage marking allows easy identification of rating.

Abuse resistant nylon toggle.

Back wire entrance points for terminations accept two wires for feed through capability, avoiding pigtailing.

Color coded base identifies amperage when terminating connections, 15A-Blue, 20A-Red, 30A-Green.

One piece rivetless copper alloy spring contact arm & terminal plate assures proper contact alignment providing long life.

Large brass binding head screws with deep slots secure wire connections.

One piece integral grounding terminal with #8 brass screw provides a low resistance ground path.

Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box.

One piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise. Large silver alloy contacts reduce contact erosion and prevent welding, providing long life.

Thermoplastic elastomer rocker assures quiet operation and precise timing. Permanently lubricated assembly provides long life and trouble free operation.

Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments.

One piece integral grounding terminal with #8 brass screw allows compliance to NEC®. Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box. Steel nickel plated mounting strap provides a corrosion resistant finish.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Switches
15, 20 and 30 Ampere, 120-277 Volts AC
HBL® Extra Heavy Duty Industrial Series
Toggle and Locking Type AC Switches with Ground Screw

#6-32 TAP
3.28" (83.2)
2.33" (59.1)
2.28" (57.9)
1.13" (28.7)
1.25" (31.8)

HBL1221

#6-32 TAP
3.28" (83.2)
2.33" (59.1)
2.28" (57.9)
1.13" (28.7)
1.25" (31.8)

HBL1221L and Key

INSERT
ACTUATE
INSERT

Operates current style AC locking switches (e.g.: HBL1221L).

Operates old style AC locking switches (e.g.: 1221L).

(One key furnished with each locking switch.)

HBL1209

#6-32 TAP
3.28" (83.2)
2.38" (60.5)
2.28" (57.9)
1.66" (42.2)
1.25" (31.8)

HBL1222RKL

#6-32 TAP
3.28" (83.2)
2.33" (59.1)
2.28" (57.9)
1.13" (28.7)
1.25" (31.8)

HBL3031

HBL® Extra Heavy Duty Industrial Series, Back and Side Wired
15A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Almond nylon toggle.	HBL1201AL	–	HBL1203AL	–
Brown nylon toggle.	HBL1201	HBL1202	HBL1203	HBL1204
Gray nylon toggle.	HBL1201GY	–	HBL1203GY	HBL1204GY
Ivory nylon toggle.	HBL1201I	HBL1202I	HBL1203I	HBL1204I
Red nylon toggle.	HBL1201R	–	–	–
White nylon toggle.	HBL1201W	–	–	–
Locking.	HBL1201L	HBL1202L	HBL1203L	HBL1204L
Key for locking switch.	HBL1209*	–	–	–

20A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Almond nylon toggle.	HBL1221AL	HBL1222AL	HBL1223AL	HBL1224AL
Black nylon toggle.	HBL1221BK	HBL1222BK	HBL1223BK	HBL1224BK
Brown nylon toggle.	HBL1221	HBL1222	HBL1223	HBL1224
Gray nylon toggle.	HBL1221GY	HBL1222GY	HBL1223GY	HBL1224GY
Office White nylon toggle.	HBL1221OW	HBL1222OW	HBL1223OW	HBL1224OW
Ivory nylon toggle.	HBL1221I	HBL1222I	HBL1223I	HBL1224I
Red nylon toggle.	HBL1221R	HBL1222R	HBL1223R	HBL1224R
White nylon toggle.	HBL1221W	HBL1222W	HBL1223W	HBL1224W
Locking.	HBL1221L	HBL1222L	HBL1223L	HBL1224L
Key for locking switch.	HBL1209*	–	–	–
AC Barrel Key locking switch.	HBL1221RKL**	HBL1222RKL**	HBL1223RKL**	HBL1224RKL**
Key for barrel switch.	HBL1209RKL	–	–	–

30A, 120-277V AC

Description	Catalog Numbers		
	Single Pole	Double Pole	Three Way
Brown nylon toggle.	HBL3031	HBL3032	HBL3033
Ivory nylon toggle.	HBL3031I	HBL3032I	HBL3033I

Momentary Contact, Specification Grade, Back & Side Wired
Three Position, Two Circuit, Center Off

Description	Catalog Numbers	
	15A, 120-277V AC	20A, 120-277V AC
Brown nylon toggle.	HBL1556	HBL1557
Gray nylon toggle.	HBL1556GY	HBL1557GY
Ivory nylon toggle.	HBL1556I	HBL1557I
Red nylon toggle.	HBL1556R	–
White nylon toggle.	–	HBL1557W
Locking.	HBL1556L	HBL1557L
Key for locking switch.	HBL1209*	–

Notes: Keys are supplied with each locking switch. For extra keys order HBL1209.
See section K for full line of wallplates.
For accessories, see pages C-17 to C-19.
For technical data, see page C-25.
See pages C-29 and C-30 for wiring diagrams.
*Not UL Listed, CSA Certified.
**Not Fed. Spec.

HP Conversion Chart

	120V	208V	240V	277VAC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Switches
15, 20 and 30 Ampere, 120-277 Volts and 347 Volts AC
HBL® Extra Heavy Duty Industrial Series
Toggle Type Lighted and Pilot Light AC Switches with Ground Screw and 347V AC

HBL® Extra Heavy Duty Industrial Series, Lighted and Pilot Light Toggle Switches, Back and Side Wired

Lighted Toggle (light on with load off)

Description	Rating	Catalog Numbers Single Pole	Double Pole	Three Way
Ivory nylon toggle.	15A 120-277V AC	HBL1201IL	–	HBL1203IL
Ivory nylon toggle.	20A 120-277V AC	HBL1221IL	–	HBL1223IL
Clear polycarbonate toggle.	20A 120-277V AC	HBL1221ILC	–	HBL1223ILC
Red polycarbonate toggle.	20A 120-277V AC	HBL1221ILR	–	–

HBL1221ILC

Pilot Light (light on with load on)

Description	Rating	Catalog Numbers Single Pole	Double Pole	Three Way
Red polycarbonate toggle.	15A 120-277V AC	HBL1201PL	–	HBL1203PL
Red polycarbonate toggle.	20A 120-277V AC	HBL1221PL	HBL1222PL	HBL1223PL
Clear polycarbonate toggle.	20A 120-277V AC	HBL1221PLC	–	HBL1223PLC
Green polycarbonate toggle.	20A 120-277V AC	HBL1221PLG	–	–
Red polycarbonate toggle.	30A 120-277V AC	HBL3031PL	HBL3032PL	–

HBL1221PL

15A, 347V AC CSA only

Description	Catalog Numbers Single Pole	Double Pole	Three Way	Four Way
Brown nylon toggle.	HBL18201CN	–	HBL18203CN	–
Ivory nylon toggle.	HBL18201ICN	–	HBL18203ICN	HBL18204ICN
Locking.	HBL18201LCN	–	HBL18203LCN	–
Key for locking switch.	HBL1209	–	–	–

20A, 347V AC CSA only

Description	Catalog Numbers Single Pole	Double Pole	Three Way	Four Way
Brown nylon toggle.	HBL18221CN	–	HBL18223CN	–
Ivory nylon toggle.	HBL18221ICN	–	HBL18223ICN	–

HBL18221CN

Notes: Keys are supplied with each locking switch. For extra keys order HBL1209.
See section K for full line of wallplates.
For accessories, see pages C-17 to C-19.
For technical data, see page C-25.
See pages C-29 and C-30 for wiring diagrams.

Operates current style AC locking switches.

Operates old style AC locking switches.

(One key furnished with each locking switch.)

HBL1209

HP Conversion Chart

	120V	208V	240V	277VAC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Switches
15 and 20 Ampere, 120-277 Volts AC
Hubbell-Pro Heavy Duty Industrial Series
AC Toggle Switches with Ground Screw

1.25" (31.8) #6-32 TAP
3.28" (83.3) 2.38" (60.5) 2.28" (57.9)
1.13" (28.7)
1.31" (33.2)

1201I

1.25" (31.8) #6-32 TAP
3.28" (83.3) 2.38" (60.5) 2.28" (57.9)
1.13" (28.7)
1.31" (33.2)

1221B

Hubbell-Pro Heavy Duty Industrial Series, Back and Side Wired
15A, 120-277V AC

Description	Catalog Numbers Single Pole	Double Pole	Three Way	Four Way
Almond toggle.	1201AL	–	1203AL	–
Black toggle.	1201BK	–	1203BK	–
Brown toggle.	1201B	–	1203B	–
Gray toggle.	1201GY	–	1203GY	–
Ivory toggle.	1201I	–	1203I	–
Light Almond toggle.	1201LA	–	1203LA	–
White toggle.	1201W	–	1203W	–

20A, 120-277V AC

Description	Catalog Numbers Single Pole	Double Pole	Three Way	Four Way
Almond toggle.	1221AL	1222AL	1223AL	1224AL
Black toggle.	1221BK	1222BK	1223BK	1224BK
Brown toggle.	1221B	1222B	1223B	1224B
Gray toggle.	1221GY	1222GY	1223GY	1224GY
Ivory toggle.	1221I	1222I	1223I	1224I
Light Almond toggle.	1221LA	1222LA	1223LA	1224LA
White toggle.	1221W	1222W	1223W	1224W

Notes: See section K for full line of wallplates.
For accessories, see pages C-17 to C-19.
See pages C-29 and C-30 for wiring diagrams.

HP Conversion Chart

	120V	208V	240V	277VAC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Switches
15 and 20 Ampere, 120-277 Volts AC
Specification Grade Commercial Series
AC Toggle Switches with Ground Screw

Specification Grade Commercial Series, Back and Side Wired
15A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Almond toggle.	CSB115AL	CSB215AL	CSB315AL	CSB415AL
Black toggle.	CSB115BK	CSB215BK	CSB315BK	CSB415BK
Brown toggle.	CSB115	CSB215	CSB315	CSB415
Gray toggle.	CSB115GY	CSB215GY	CSB315GY	CSB415GY
Ivory toggle.	CSB115I	CSB215I	CSB315I	CSB415I
Light Almond toggle.	CSB115LA	CSB215LA	CSB315LA	CSB415LA
White toggle.	CSB115W	CSB215W	CSB315W	CSB415W

20A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Almond toggle.	CSB120AL	CSB220AL	CSB320AL	CSB420AL
Black toggle.	CSB120BK	CSB220BK	CSB320BK	CSB420BK
Brown toggle.	CSB120	CSB220	CSB320	CSB420
Gray toggle.	CSB120GY	CSB220GY	CSB320GY	CSB420GY
Ivory toggle.	CSB120I	CSB220I	CSB320I	CSB420I
Office White toggle.	CSB120OW	CSB220OW	CSB320OW	CSB420OW
Light Almond toggle.	CSB120LA	CSB220LA	CSB320LA	CSB420LA
Red toggle.	CSB120R	CSB220R	CSB320R	CSB420R
White toggle.	CSB120W	CSB220W	CSB320W	CSB420W

1.25" (31.8)
#6-32 TAP
3.28" (83.3)
2.38" (60.5)
2.28" (57.9)
1.13" (28.7)
1.31" (33.2)

CSB120

Specification Grade Commercial Series, Side Wired Only
15A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Almond toggle.	CS115AL	–	CS315AL	–
Brown toggle.	CS115	–	CS315	–
Gray toggle.	CS115GY	–	CS315GY	–
Ivory toggle.	CS115I	–	CS315I	–
Light Almond toggle.	CS115LA	–	CS315LA	–
Office White toggle.	CS115OW	–	CS315OW	–
White toggle.	CS115W	–	CS315W	–

1.25" (31.8)
#6-32 TAP
3.28" (83.3)
2.38" (60.5)
2.28" (57.9)
1.13" (28.7)
1.31" (33.2)

CS115I

20A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Almond toggle.	CS120AL	–	CS320AL	–
Brown toggle.	CS120	–	CS320	–
Gray toggle.	CS120GY	–	CS320GY	–
Ivory toggle.	CS120I	–	CS320I	–
Light Almond toggle.	CS120LA	–	CS320LA	–
Office White toggle.	CS120OW	–	CS320OW	–
White toggle.	CS120W	–	CS320W	–

Notes: See section K for full line of wallplates.
For accessories, see pages C-17 to C-19.
See pages C-29 and C-30 for wiring diagrams.

HP Conversion Chart

	120V	208V	240V	277VAC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Switches
15 and 20 Ampere, 120-277 Volt AC
Style Line® Decorator Series Specification Grade
Rocker Type and Lighted and Pilot Light AC Switches with Ground Screw

Style Line® Decorator Series Specification Grade, Back and Side Wired
15A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Almond toggle.	DS115AL	–	DS315AL	–
Black toggle.	DS115BK	–	DS315BK	–
Brown toggle.	DS115	–	DS315	–
Gray toggle.	DS115GY	–	DS315GY	–
Ivory toggle.	DS115I	–	DS315I	–
Light Almond toggle.	DS115LA	–	DS315LA	–
Office White toggle.	DS115OW	–	DS315OW	–
White toggle.	DS115W	–	DS315W	–

20A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Almond toggle.	DS120AL	DS220AL	DS320AL	DS420AL
Black toggle.	DS120BK	DS220BK	DS320BK	DS420BK
Brown toggle.	DS120	DS220B	DS320	DS420
Gray toggle.	DS120GY	DS220GY	DS320GY	DS420GY
Ivory toggle.	DS120I	DS220I	DS320I	DS420I
Light Almond toggle.	DS120LA	DS220LA	DS320LA	DS420LA
Office White toggle.	DS120OW	DS220OW	DS320OW	DS420OW
White toggle.	DS120W	DS220W	DS320W	DS420W

#6-32 TAP
Self Grounding Clip
3.81" (96.7)
3.28" (83.3)
2.78" (70.6)
1.12" (28.4)
1.48" (37.6)

DS120

Style Line® Decorator Series Specification Grade
Lighted and Pilot Light, Back and Side Wired
20A, 120V AC, Lighted Rocker (light on with load off)

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Ivory rocker.	DS120IL	–	DS320IL	–
White rocker.	DS120ILW	–	DS320ILW	–

20A, 120V AC, Pilot Light Rocker (light on with load on)

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Ivory rocker.	DS120PL	–	–	–

Notes: See section K for full line of wallplates.
For accessories, see page C-17 to C-19.
See pages C-29 and C-30 for wiring diagrams.

#6-32 TAP
Self Grounding Clip
3.81" (96.7)
3.28" (83.3)
2.78" (70.6)
1.12" (28.4)
1.48" (37.6)

DS120IL

HP Conversion Chart

	120V	208V	240V	277VAC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Switches
15, 20 and 30 Ampere, 120-277 Volts AC
Industrial–Institutional, Heavy Duty Specification Grade: 3-Position, 2-Circuit, Center Off, Maintained Contact Switches and PresSwitch® Push Button Switches

Maintained Contact, Specification Grade, Back and Side Wired, Three Position, Two Circuit, Center Off
Single Pole, Double Throw

Description	Catalog Numbers 15A 120-277V AC	20A 120-277V AC	30A 120-277V AC
Brown nylon toggle.	HBL1381	HBL1385	–
Ivory nylon toggle.	HBL1381I	HBL1385I	–
White nylon toggle.	–	HBL1385W	–

Double Pole, Double Throw

Description	Catalog Numbers 15A 120-277V AC	20A 120-277V AC	30A 120-277V AC
Brown nylon toggle.	HBL1382	HBL1386	HBL1388
Ivory nylon toggle.	HBL1382I	HBL1386I	HBL1388I
Locking.	–	HBL1386L	–
Key for locking switch.	–	HBL1209*	–

Notes: *Key supplied with each locking switch. For extra keys order HBL1209.*
For accessories, see pages C-17 to C-19.
For technical data, see page C-25.
See pages C-29 and C-30 for wiring diagrams.
*Not UL Listed, CSA Certified.

PresSwitch® Specification Grade Push Button, Side Wired Only, Standard Type
20A, 120-277V AC

Description	Catalog Numbers Single Pole	Double Pole	Three Way	Four Way
Brown nylon actuator.	HBL1281	HBL1282	HBL1283**	HBL1284**
Ivory nylon actuator.	HBL1281I	HBL1282I	HBL1283I**	HBL1284I**

Side Wired Only, Momentary Type
20A, 120-277V AC

Description	Catalog Numbers Single Pole	Double Pole	Three Way	Four Way
Circuit normally closed, Brown.	HBL1281MC**	–	–	–
Circuit normally open, Brown.	HBL1281MO**	–	–	–

Lighted and Pilot Light PresSwitch, 120V AC Lighted Actuator (light on with load off)

Description	Catalog Numbers Single Pole	Double Pole	Three Way	Four Way
15A, Ivory nylon actuator.	–	–	–	HBL1259I**
20A, Ivory nylon actuator.	HBL1287I	–	HBL1288I**	–

20A, 120V AC Pilot Light Actuator (light on with load on)

Description	Catalog Numbers Single Pole	Double Pole	Three Way	Four Way
Red nylon actuator.	HBL1297	–	HBL1298**	–

Notes: *See section K for full line of wallplates.*
For accessories, see pages C-17 to C-19.
See pages C-29 and C-30 for wiring diagrams.
**Not Listed by UL or CSA.

HBL1381

HBL1386I

HBL1281

HBL1297

Switches
600 to 2000 Watts, 120 Volts AC 60 Hz
Slide and Rotary Control Dimmers

2.75"
(70.0)

4.50"
(114.3)

600 and 1000W Dimmer
Fits Single-Gang Wall Boxes.
AS63 and **AS103**

4.50"
(114.3)

4.50"
(114.3)

1500 and 2000W Dimmer
Fits Single-Gang Wall Boxes.
AS153 and **AS203**

Architectural Grade Preset Slide Control

Rating/Description		Color	Catalog Numbers
Incandescent Control	600W, 120V AC, 60 Hz, Single pole/three way - preset.	White	**AS63**
	1000W, 120V AC, 60 Hz, Single pole/three way - preset.	White	**AS103**
	1500W, 120V AC, 60 Hz, Single pole/three way - preset.	White	**AS153**
	2000W, 120V AC, 60 Hz, Single pole/three way - preset.	White	**AS203**
Accessories	Small plate kit for 600W and 1000W models. Includes non-metallic trimplate and slide.	Ivory White	**AS1I** **AS1W**
	Large plate kit for 1500W and 2000W models. Includes non-metallic trimplate and slide.	Ivory White	**AS2I** **AS2W**

Notes: The dimmers listed above can be wired for single pole or three way applications. See page C-28 for ganging and derating.

2.75"
(70.0)

4.50"
(114.3)

600 and 1000W Dimmer
Fits Single-Gang Wall Boxes.
AR61 and **AR101**

4.50"
(114.3)

4.50"
(114.3)

1500 and 2000W Dimmer
Fits Single-Gang Wall Boxes.
AR151 and **AR201**

Architectural Grade Rotary Models

Rating/Description		Color	Catalog Numbers
Incandescent Control	600W, 120V AC, 60 Hz. Single pole - push on/off. Three way - push on/off.	Beige Beige	**AR61** **AR63**
	1000W, 120V AC, 60 Hz. Single pole - push on/off. Three way - push on/off.	Beige Beige	**AR101** **AR103**
	1500W, 120V AC, 60 Hz, Single pole, rotary on/off.	Beige	**AR151**
	2000W, 120V AC, 60 Hz, Single pole, rotary on/off.	Beige	**AR201**
Accessories	Small plate kit for 600W and 1000W models. Includes non-metallic trimplate and knob.	Beige White	**AR1BE** **AR1W**
	Large plate kit for 1500W and 2000W models. Includes non-metallic trimplate and knob.	Beige White	**AR2BE** **AR2W**

Note: See page C-28 for ganging and derating.

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Switches
600 to 1000 Watts, 120 Volts AC 60 Hz
Slide and Rotary Control Dimmers

Specification Grade Preset Slide Control

Rating/Description		Color	Catalog Numbers
Incandescent Control	600W 120V AC, 60 Hz, Single pole - preset.	Ivory	**S61I**
		White	**S61W**
	600W 120V AC, 60 Hz, Three way - preset.	Ivory	**S63I**
		White	**S63W**
	1000W 120V AC, 60 Hz, Single pole - preset.	Black	**S11BL**
		Brown	**S11BR**
		Gray	**S11GY**
		Ivory	**S11I**
		White	**S11W**
	1000W 120V AC, 60 Hz, Three way - preset.	Gray	**S13GY**
		Ivory	**S13I**
		White	**S13W**

Notes: Use Style Line® Decorator wallplates with preset slide control dimmers.
See page C-28 for ganging and derating.

2.13" (54.1)   1.31" (33)
4.13" (104.9)

600 and 1000W Dimmer
Fits Single-Gang Wall Boxes.
S61I and **S11I**

Rotary Model

Rating/Description		Color	Catalog Numbers
Incandescent Control	600W 120V AC, 60 Hz. Single pole - push on/off.	Ivory	**R61I**
	Three way - push on/off.	Ivory	**R63I**
Fan Speed Control	5A, 120V AC, 60 Hz, Single pole.	Ivory	**RF5I**
Accessories	Replacement knob.	Ivory	**RKI**
	Replacement knob.	White	**RKW**

Notes: Use standard toggle switch wallplates with rotary dimmers.
See page C-28 for ganging and derating.

2.13" (54.1)   1.31" (33)
4.13" (104.9)

600W Dimmer
Fits Single-Gang Wall Boxes.
R61I

Switches
Heavy Duty Panel Mount
Bat Handle Switches

HBL11

HBL123SP

Specifications

Impact Resistant Thermoplastic Body.

Fine Silver Contacts.

Knurled Nut, Hex Nut And Strap All Nickel Plated.

Keyed Brass Bushing Nickel Plated.

Brass Toggle Nickel Plated.

Choice of Terminal Design:
.250 in. (6.3) Male Tab Spade Type or 6/32 Screw Type.

UL Recognized.

10A 250V AC 20A 125V AC Horsepower Rated ¾ HP, 125-250V AC

Description	Terminal		Catalog Numbers
Single pole/ single throw.	Screw Spade	*Screw Terminal Shown*	HBL11 HBL11SP
Single pole/ single throw momentary.	Screw Spade	*Screw Terminal Shown*	HBL11M HBL11SPM
Single pole/ double throw.	Screw Spade	*Screw Terminal Shown*	HBL12 HBL12SP
Single pole/ double throw 3-position center off.	Screw Spade	*Screw Terminal Shown*	HBL123 HBL123SP
Single pole/ double throw 3-position center off momentary.	Screw Spade	*Screw Terminal Shown*	HBL123MM HBL123SPMM

Note: All threaded stems $^{15}/_{32}$ in.–32 thread.

10A 240V AC 15A 120V AC

Description	Terminal		Catalog Numbers
Single pole/ single throw.	Screw		HBL118

0.62" (15.7)
0.48" (12.2)
1.78" (45.2)
0.31" (7.9)
0.37" (9.4)
0.56" (14.2)
0.67" (17.0)

Note: $^{15}/_{32}$ in.–32 thread.

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description	Terminal		Catalog Numbers
Single pole/ single throw.	#18 Std. AWG Copper Wire Leads 105° C Black.		HBL11WL

OFF
0.56" (14.2)
15/32-32 THRD Keyway .080 x .035
0.25" (6.4)
0.98" (24.9)
6.00" (152.4)
0.50" (12.7)
0.64" (16.3)

Note: $^{15}/_{32}$ in.–32 thread, keyway .080 x .035.

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Switches
Heavy Duty Panel Mount
Bat Handle Switches

10A 250V AC 20A 125V AC Horsepower Rated 1½ HP, 125-250V AC

Description	Terminal		Catalog Numbers
Double pole/ single throw.	Screw Spade	.75" (19.1) .47" (11.9) .80" (20.3) ON OFF 1.30" (33.0) Spade Terminal Shown	HBL21 HBL21SP
Double pole/ double throw.	Screw Spade	.75" (19.1) .80" (20.3) ON ON 1.30" (33.0) Screw Terminal Shown	HBL22 HBL22SP
Double pole/ double throw 3 position center off.	Screw Spade	.75" (19.1) .80" (20.3) ON OFF ON 1.30" (33.0) Screw Terminal Shown	HBL223 HBL223SP
Double pole/ double throw 3 position center off momentary.	Screw Spade	.75" (19.1) .80" (20.3) ON Momentary OFF ON Momentary 1.30" (33.0) Screw Terminal Shown	HBL223MM HBL223SPMM
Silicone rubber boot.			SSB1

Notes: All threaded stems ¹⁵⁄₃₂ in.–32 thread.
For information on 12V DC tapered handle switches see section W, Marine Electrical Products.

HBL21

HBL223

SSB1

4A 250V 8A 125V 10A 120V AC ¹⁄₃ HP 120V AC

Description	Terminal		Catalog Numbers
Single pole/ single throw.	#18 Std AWG Copper Wire Leads 105° C Black.	0.41" (10.4) Black Nylon Plunger 15/32-32 THRD 0.22" (5.6) 0.49" (12.5) 1.58" (40.1) 0.19" (4,8) 0.53" (13.5) Keyway .080x.034 0.98" (24.9) 6.00" (152.4) 0.50" (12.7) 0.65" (16.5)	HBL11PBWL

Note: ¹⁵⁄₃₂ in.–32 thread, keyway .080 x .034.

HBL11PBWL

Switches
Pendant Pushbutton Stations
PBS Series

IP44
SUITABILITY

PBS6

PBS Series Heavy Duty Pendant Pushbutton Stations NEMA 3R

Description	Catalog Numbers
2 button, single speed.	**PBS2**
2 button, two speed.	**PBS22**
4 button, single speed.	**PBS4**
4 button, two speed.	**PBS42**
6 button, single speed.	**PBS6**
6 button, two speed.	**PBS62**
8 button, single speed.	**PBS8**
8 button, two speed.	**PBS82**

Product Dimensions, PBS Series

Style	A	Approx. Wt. Assembled	Catalog Numbers
2 button	7.88" (200.0)	2.5 lbs	**PBS2**
4 button	13.69" (347.6)	4.5 lbs	**PBS4**
6 button	18.0" (457.2)	5.5 lbs	**PBS6**
8 button	22.31" (566.7)	7.5 lbs	**PBS8**

Housing: Yellow vinyl rubber.

Cable
Entrance
Threaded
1" NPT I.D.
(25.4)
1.125" O.D.
(28.6)

A

3.25"
(82.6)

3.50"
(88.9)

0.88"
(22.4)

Contact Interrupting Ratings, PBS Series

Two-Speed Single Break	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	.4A
IND	250V	.2A
Single-Speed Double Break	**Voltage**	**Current**
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Switches
Pendant Pushbutton Station Accessories
PBS Series

Replacement Inserts
When the insert switches are in need of replacement,
simply unplug the old insert and plug in a new one.

Description	Catalog Numbers
Single speed insert momentary N.O. and N.C.	**PG2**
On-Off insert (no mechanical interlock). Momentary, start-stop, reset-stop.	**PG6**
3 speed insert, momentary. Used to a maximum of 3 speed points.	**MS2**
For five speed applications replace an existing terminal board with the TB5 terminal board and replace an existing insert with the five speed (MS5) insert. 5 speed insert, momentary. Used to a maximum of 5 speed points.	**MS5**

PG2   **PG6**

MS2   **MS5**

Conversion Inserts
In addition to single speed and two speed applications,
pre-assembled units can be adapted to handle other applications.

Description	Catalog Numbers
Terminal board Catalog No. TB2 is required for each insert switch PG2, PG6 and MS2.	**TB2**
Terminal board Catalog No. TB5 is required for insert switch MS5.	**TB5**

TB2

TB5

Accessories

Description	Catalog Numbers
Indicator labels for replacement package contains 1 each: hoist, trolley, bridge, forward-reverse, raise-lower, in-out, right left, east-west, north-south, reset-stop, start-stop, power, main hoist, aux. hoist, on-off, up-down.	**PBSLP**
Rubber button cover for replacement purposes.	**PBSBC**
120V red pilot light for 4, 6, and 8 button units only.	**PBSPL1***

*Note: *Each pendant station can accommodate one of the pilot light in the 1.20 in. (30.6) diameter mounting hole.*

PBSBC   **PBSLP**

Kellems® Deluxe Aluminum Cord Fitting
Outdoor or indoors where subject to moisture, splash or submersion.
Kellems grips provide strain relief for multi-conductor cable.

Description	Cord Range	Catalog Numbers
Kellems grip.	.750-.875" (19 to 22.2)	**07401023**
Kellems grip.	.875-1.00" (22.2 to 25.4)	**07401025**

PBSPL1

07401023

Compact Pendant Pushbutton Stations

CPB2 Series

IP55
SUITABILITY

1.06"
(26.9)

9.13"
(231.9)

2.38"
(60.5)

CPB21

Compact Pendant Stations, CPB2 Series NEMA 4X, Two Button

Description	Catalog Numbers
Single-speed normally open-normally closed without mechanical interlock.	**CPB20**
Single-speed with mechanical interlock between pushbuttons.	**CPB21**
Two-speed with mechanical interlock between pushbuttons.	**CPB22**

Notes: Included with product: nylon cord grip and sealing washer (must be installed to achieve NEMA 4X rating). Indication label pack. Cord dia. range .375–.625 in. (9.5–15.9) Ambient temperatures: 25°F - 140°F (32°C-60°C).
Typical applications: Package electric motor hoists. Remote control of machinery.

Contact Ratings, CPB2 Series

Single-Speed	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A
Two-Speed	**Voltage**	**Current**
AC	120V	3A
35% PF	240V	1.5A

Wiring Diagram CPB2 Series

Momentary (On / Off) CPB20

Top — N.O.1 — Ctr. — Com.1 — N.C.1 — Bott.

Single Speed* CPB21

Top — N.O.1 — Ctr. — Com.1 — N.O.2 — Bott.

Two Speed* CPB22

Top — N.O.1 — TAB — Ctr. — N.O.2 — Bott.

Mechanical "floating ball" interlock prevents activating both Pushbuttons simultaneously.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

AC Switches
Accessories
Red Neon Pilot Light, Brass Locking Attachment
and Lockout Devices for Toggle Switches

Pilot Light, 120-277V AC

Description	Catalog Numbers
Red neon pilot light, back & side wired, fits standard switch plate.	**HBL1220RJ**

HBL1220RJ

Brass Locking Attachment for Switches Available in Master Keying and Straight Keying Systems

Description	Catalog Numbers
Straight keying (all locks alike). Appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	**HBL96061***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062**

Notes: *Also available in dull chrome finish to match stainless steel.
Add "DCH" suffix to catalog number.
Each locking wallplate is supplied with two keys.

HBL96061
Shown with wallplate and switch

SWITCHOUT™ Lockout Device

Description	Catalog Numbers
Yellow, nylon toggle switch lockout device.	**HSLDPK2******+**

Notes: For more information on safety lockout devices, see section U.
+Two devices per package.
**Not UL or CSA Listed.

HSLDPK2

AC Switches
Accessories
Weatherproof Switch Plates

IP44
SUITABILITY

HBL1795

.94"
(23.9)
1.88"
(47.8)
4.63"
(117.6)
2.38"
(60.5)
3.25"
(82.6)
2.94"
(74.7)

Weatherproof Plates

Description	Catalog Number
Clear bubble plate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	**HBL1795**

HBL1750

.94"
(23.9)
1.88"
(47.8)
4.63"
(117.6)
2.38"
(60.5)
3.25"
(82.6)
2.94"
(74.7)

Weatherproof Plates

Description	Catalog Numbers
Gray neoprene PresSwitch plate. Fits FS/FD and standard boxes.	**HBL1750***
Same as above except yellow.	**HBL17CM50***

*Note: *Not listed by Underwriter's Laboratories Inc.*

HBL1785

.94"
(23.9)
1.88"
(47.8)
3.25"
(82.6)
4.63"
(117.6)
2.38"
(60.5)
2.94"
(74.7)

Weatherproof Plates

Description	Catalog Numbers
Gray neoprene PresSwitch plate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785***
Same as above except yellow.	**HBL17CM85***

*Note: *Not listed by Underwriter's Laboratories Inc.*

Weatherproof Plates

Description	Catalog Number
Cast aluminum lift cover plate with fiber shield. For standard toggle and PresSwitch. Fits only FS/FD boxes.	**HBL7420**

Note: See section K for full line of wallplates.

HBL7420

2.84
(72.1)
3.25"
(82.6)
4.56"
(115.8)
.19 dia.
4 holes
(4.8)
1.89
(48.0)

HUBBELL®   **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

AC Switches
Accessories
Nylon and Metal Wallplates

| 1-Gang | 2-Gang | 3-Gang |

Standard Size, Smooth Nylon Switch Plates

Color	Catalog Numbers		
Almond	NP1AL	NP2AL	NP3AL
Black	NP1BK	NP2BK	NP3BK
Brown	NP1	NP2	NP3
Gray	NP1GY	NP2GY	NP3GY
Ivory	NP1I	NP2I	NP3I
Office White	NP1OW	NP2OW	NP3OW
Red	NP1R	NP2R	NP3R
White	NP1W	NP2W	NP3W

Standard Size, Smooth Metal Switch Plates

Color	Catalog Numbers		
Aluminum	SA1	SA2	①
Brass	SB1	SB2	SBP3*
Stainless Steel	SS1	SS2	SS3

| 1-Gang | 2-Gang | 3-Gang |

Standard Size, Smooth Nylon, Style Line® Switch Plates

Color	Catalog Numbers		
Almond	NP26AL	NP262AL	NP263AL
Black	NP26BK	NP262BK	NP263BK
Brown	NP26	NP262	NP263
Gray	NP26GY	NP262GY	NP263GY
Ivory	NP26I	NP262I	NP263I
Office White	NP26OW	NP262OW	NP263OW
Red	NP26R	NP262R	NP263R
White	NP26W	NP262W	NP263W

Standard Size, Smooth Metal, Style Line® Switch Plates

Color	Catalog Numbers		
Aluminum	①	①	①
Brass	SB26	SB262	①
Stainless Steel	SS26	SS262	SS263

Notes: See section K for full line of wallplates.
    *Brass plated.
    ①Available as a custom metal wallplate. See pages K-35 to K-40.

Switches
30 Ampere, 600 Volts AC Manual Motor Controllers

Industrial – Extra Heavy Duty AC Manual Motor Controllers,
Double and Three Pole (Without Overload Protection)
"Suitable as Motor Disconnect"

HBL7810D

2.25" (57.1)
3.28" (83.3)
2.38" (60.5)
3.78" (96.0)
(4) #10-32 TAP
(2) .20 Dia. Mtg. Holes

HBL1389D

3.97" (100.8)
4.52" (114.8)
2.62" (66.5)

HBL13R13D

2.25" (57.2)
4.51" (114.6)
3.94" (100.1)

HBL1379D

3.20" (81.3)
4.72" (119.9)
2.41" (61.2)

HBL13R23D

2.99" (75.9)
4.76" (120.9)
0.30" (7.6) Padlock Hole
2.99" (75.9)
4.55" (115.6)

30A 600V AC Manual Motor Controllers
Double Pole

Description	Catalog Numbers
30A, double pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	**HBL7832D**
30A, double pole, single throw, AC manual motor controller, black nylon handle, short toggle.	**HBL7832DS**
30A, double pole, single throw, AC manual motor controller. 50 piece bulk pack.	**HBL7832DX**
HBL7832D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	**HBL1392D**
HBL7832D in HBL1370 metal Type 1 enclosure.	**HBL1372D**
HBL7832D in NEMA 3R non-metallic enclosure.	**HBL13R22D**
HBL7832D in HBL13R90 metal Type 3R enclosure.	**HBL13R92D**
HBL7832D in NEMA 3R flip-lid enclosure.	**HBL13R12D**

Three Pole

Description	Catalog Numbers
30A, three pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	**HBL7810D**
30A, three pole, single throw, AC manual motor controller, black nylon handle, short toggle.	**HBL7810DS**
HBL7810D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	**HBL1389D**
HBL7810D in HBL1370 metal Type 1 enclosure.	**HBL1379D**
HBL7810D in NEMA 3R non-metallic enclosure.	**HBL13R23D**
HBL7810D in HBL13R90 metal Type 3R enclosure.	**HBL13R89D**
HBL7810D in NEMA 3R flip-lid enclosure.	**HBL13R13D**
30A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	**HBL13S33D**
30A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	**HBL13X33D**

Product	Motor Rating				
	120V AC	240V AC	480V AC	600V AC	Phase
30A Double Pole	2HP	5HP	10HP	15HP	1
30A Three Pole	3HP	7½HP	15HP	20HP	3
40A Double Pole	2HP	5HP	10HP	15HP	1
40A Three Pole	3HP	7½HP	15HP	20HP	3
50A Double Pole	2HP	5HP	10HP	15HP	1
50A Three Pole	3HP	7½HP	15HP	25HP	3
60A Double Pole	-	10HP	15HP	20HP	1
60A Three Pole	-	10HP	25HP	30HP	3
85A Double Pole	-	10HP	15HP	20HP	1
85A Three Pole	-	10HP	25HP	40HP	3

HBL13R89D

4.40" (111.8)
5.52" (140.2)
3.00" (76.2)

HBL13S33D

6.96" (176.8)
6.75" (171.5)
4.00" (101.6)

HUBBELL ® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

AC Switches
40, 50, 60 and 85 Ampere, 600 Volts AC Manual Motor Controllers
Industrial – Heavy Duty AC Manual Motor Controllers,
Double and Three Pole (Without Overload Protection)
"Suitable as Motor Disconnect"

IP44*
SUITABILITY

40A 600V AC Manual Motor Controllers

Description	Catalog Numbers
40A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7842D
40A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7843D

Note: Catalog numbers HBL7842 and HBL7843 dimensions are the same as HBL7810D shown on C-20.

HBL7862D

50A 600V AC Manual Motor Controllers

Description	Catalog Numbers
50A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7852D
50A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7853D

HBL7862FWD

60A 600V AC Manual Motor Controllers

Description	Catalog Numbers
60A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7862D
Same as HBL7862D except front wired.	HBL7862FWD
HBL7862FWD in Type 3R enclosure.	HBL16R92D
60A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7863D
Same as HBL7863D except front wired.	HBL7863FWD
HBL7863FWD in a Type 3R enclosure.	HBL16R93D
60A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	HBL16S63D
60A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	HBL16X63D

Note: For technical data, see page C-26.

HBL16R93D

85A 600V AC Manual Motor Controllers

Description	Catalog Numbers
85A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7882D
85A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7883D

Motor Controller Accessories

Description	Catalog Numbers
Finger Guards, fit 30A, 40A and 50A controllers.	HBLFG30
Auxiliary Contacts, for use in rotary switches only.	HBLAUX

HBL16S63D

Dimensions in Inches (mm) — www.hubbell-wiring.com — **HUBBELL** **Wiring Device-Kellems**

AC Switches
30, 40 and 60 Ampere Enclosures

UL CSA

IP44*
SUITABILITY

END VIEW
HBL1370/HBL1372D/HBL1379D

.68"
(17.3)

2.41"
(61.2)

.91"
(23.1)

.50'' x .75''
Knockout
Each End

BACK VIEW
HBL1370/HBL1372D/HBL1379D

1.50"
(38.1)

(2) .13" (3.3)
Dia.Holes

2.44"
(62.0)

2.75"
(69.9)

(2) .50" & .75"
Knockouts

(2) .27" (6.9)
Dia. Holes

30 Amp Enclosures

Description	Catalog Numbers
Type 1 enclosure for 30A switch with non-metallic cover (without switch) with ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	HBL1390
Type 1 enclosure for 30A switch with metallic cover (without switch) with ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	HBL1370
Type 3R metal enclosure without switch.	HBL13R90

Notes: *Enclosure rating.
        For technical data, see page C-33.

SIDE VIEW
HBL13R89D / HBL13R90
HBL13R92D

.09"
(2.3)

Mounting
Surface

.19"
(4.8)

BACK VIEW
HBL13R89D / HBL13R90
HBL13R92D

2.04"
(51.8)

2.75"
(69.9)

3 Mounting
Feet with
.25" (6.4)
Dia. Hole

2.37"
(60.2)

1.25"
(31.8)

4 Knockouts
.50'' (12.7) Type
Noted ''B''

2.00"
(50.8)

END VIEW
HBL13R89D / HBL13R90
HBL13R92D

4.40"
(111.8)

3.00"
(76.2)

3.31"
(84.1)

2.00"
(50.8)

1.06"
(26.9)

Mounting
Surface

B

40 and 60 Amp Enclosures

Description	Catalog Number
Type 3R metal enclosure without switch.	HBL16R90

Note: 40 and 60A manual motor controllers are suitable for use with enclosure
      cat. no. HBL16R90.
      *Enclosure rating.

END VIEW
HBL16R90/HBL16R92D/HBL16R93D

4.40"
(111.8)

3.31"
(84.1)

3.00"
(76.2)

2.00"
(50.8)

1.52"
(38.6)

Mounting
Surface

A

A

BACK VIEW
HBL16R90/HBL16R92D/HBL16R93D

3 Mounting
Feet with
.25" (6.4)
Dia. Hole

4.75"
(120.7)

2.75"
(69.9)

4 Knockouts
.75'' x 1''
Typ. Noted ''A''

3.25"
(82.6)

1.70"
(43.2)

2.00"
(50.8)

A

A

SIDE VIEW
HBL16R90/HBL16R92D/HBL16R93D

.09"
(2.3)

.19"
(4.8)

10.11"
(256.8)

HUBBELL

Wiring Device-Kellems

www.hubbell-wiring.com

Dimensions in Inches (mm)

MotorQuick®

C (UL) US LISTED

Disconnect Switches

Thermoplastic Cover on Plated Steel Base.

Lockable Handle to Meet OSHA Lockout/Tagout Regulations.

NEMA 1 Enclosure.

Prewired with LINKOSITY® Components.

Crush and Impact Resistance of MC Cable.

Cable Ratings: TC-ER, MTW, STOOW.

Type 4X Enclosure.

Lockable Handle to Meet OSHA Lockout/Tagout Regulations.

High Impact Valox® Enclosure.

Ordering Information

Type 1 30A 3 Pole 600V AC	Catalog Numbers
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side)	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side)	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side)	**HBL1389MQR2**

Type 4X 30A 3 Pole 600V AC	
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side)	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side)	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side)	**HBLDS3MQR2**

Accessories

3P 4W LINKOSITY® male receptacle for installation on motor	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable	**PH3004PA0XX***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable	**PF3004PA0XX***
Cord connector, ¾ in. NPT .63 in. – .75 in. diameter	**SHC1037CR**
Lock-on cover for LINKOSITY® Connections	**PH2030C**

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the XX with the required length in feet. (Examples: PH3004PA005 = 5 foot cable, PH3004PA015 = 15 foot cable.)*

Sample Set Up

(1) **HBLDS3MQR** **+** (1) **PH3004PAxxx** **+** (1) **RM3004PA001** **=** **Total Set Up****

+ **+** **=**

*Note: **Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBL1389MQR2

HBL1389MQ5

HBLDS3MQR

HBLDS3MQ5

Safety Devices
30A, 600V AC MotorQuick
Quick Disconnect Switches

Dimensions   Type 1   Type 4X

Dimensions

Key	30A inch	mm	60A/100A inch	mm
A	6.00	152	7.75	197
B	5.12	130	6.87	175
C	4.12	105	4.75	121
D	6.62	168	8.00	203
E	7.62	194	9.95	253
F	8.50	216	11.00	279
G	4.12	105	5.94	151

HP Rating

120V AC	3
240V AC	7.5
480V AC	15
600V AC	20

Specifications   Type 1   Type 4X

Electrical Performance

	Type 1	Type 4X
Dielectric Voltage	2,200V AC minimum for 1 minute.	2,200V AC minimum for 1 minute.
Electrical Life	6,000 cycles with load.	6,000 cycles with load.
Max. Working Voltage	600V AC RMS.	600V AC RMS.
Short Circuit Withstand Rating as Motor Disconnect	10,000 RMS symmetrical amps when tested with 60A max J fuses.	10,000 RMS symmetrical amps.
Short Circuit Withstand Rating as Motor Controller	10,000 RMS symmetrical amps when tested with 125A RK5 fuses.	5,000 RMS symmetrical amps.

Mechanical

Mechanical Life	10,000 minimum cycles.			10,000 minimum cycles.		
	Amps	AWG Min.	AWG Max.	Amps	AWG Min.	AWG Max.
Terminal Accommodations	30	#14	#10	30	#14	#10
Terminal Torque	30	20 inch pounds		30	20 inch pounds	
Impact Resistance	—	—	—	UL746C		

Environmental

Flammability	UL94HB/V-0.		UL94-5VA and V0 Classification.	
Operating Temp.	Max. continuous	60 °C	Max. continuous	75 °C
	Min. continuous w/out impact	-40 °C	Min. continuous	-40 °C

Listings

UL 508	Industrial Control Equipment File #E36355	Industrial Control Equipment File #E36355

LINKOSITY® Connection

Certifications

Connecting Components	Listed to UL 2238 and UL 50.

Electrical Performance

Voltage	Up to 600V AC.
Amperage	Up to 30A.

Environmental

Connectivity System Components	
Moisture Resistance	UL Type 4, 4X, 12 and 13.
Ingress Protection	IP67 Suitability.
Flammability	UL94HB cables / UL94V-0 receptacles.

Materials

Connectivity System Components	
Contact Carrier	Nylon 6/6, white.
Contact Materials	Pins - brass.
	Sockets - leaded nickel copper w/ stainless steel sleeve.
Contact Plating	Hard gold over palladium/nickel.
Overmold Material	Glass filled polyurethane, gray.
Coupling Hardware	Nickel plated brass.
Cable (16 AWG and Up)	UL 600V Type TC-ER, MTW 90°C or STOOW 600V 105°C.

AC Switches
Technical Information
HBL® Extra Heavy Duty Industrial Grade Switches

SP, DP, 3-Way, 4-Way

Specifications

Listings	Component	Material
UL Listed	Base	Thermoset, Color Coded by Amperage
CSA Certified	Top	Thermoset, Gray
Verified to Fed. Spec. W-S-896,	Toggle	Nylon
SP, DP, 3-way and 4-way	Terminals	Brass
	Terminal Screws	Brass
	Mounting Bridge	Nickel Plated Steel
	Contacts	Silver Alloy
	Moveable Contact Arm	Brass
	Rocker	Elastomer
	Ground Terminal	Nickel-Plated Steel
	Ground Screw	Brass
	Automatic Grounding Clip	Stainless Steel

Performance Data

Electrical

Dielectric Voltage	Withstands 1500V AC minimum for 1 minute.
Max. Working Voltage	277V AC.
Overload	Minimum 4.8 times rated current for 100 cycles.
Temperature Rise	30° C maximum at rated current.
Max. Continuous Current	15A, 20A, 30A.
Endurance	50,000 cycles min., tungsten filament lamp load Fed. Spec. #WS896, SP, DP, 3-way and 4-way.

Mechanical

Terminal Accommodations	#14 AWG min. - #10 AWG max. solid and stranded copper wire only.

Environmental

Flammability	UL 94V-2.
Operating Temperature	Max. continuous: 75° C; Min. continuous: -40° C w/o impact.

AC Switches
Technical Information
Heavy Duty Manual Motor Controllers

30, 40 & 60A, Double Pole and Three Pole

Specifications

Listings	Component	Material
UL Listed 508 Industrial Control Equipment	Base	Thermoset
CSA-C22.2 No. 14 Industrial Control Equipment	Cover	Thermoset
UL File E70402	Yoke	Zinc Plated Steel
CSA File LR-46186	Toggle	Nylon
	Terminal Screws	Copper Alloy
	Contact Blades	Copper Alloy
	Contacts	Silver Alloy
	Brush Lifter	Thermoplastic

Performance Data

Electrical

Dielectric Voltage	2,200V AC max for 1 minute.
Electrical Life (Minimum)	6,000 cycles at rated switch parameters.
Working Voltage	600V AC RMS.
Short Circuit Withstand Rating (Motor Disconnect)	5,000 and 10,000 RMS with RK5 fuses at rated switch value and Class "J" fuses as marked.
Operating Temperature	Min. continuous: -40° C w/o impact.
Mechanical Life (minimum)	10,000 Cycles.
Terminal Torque (30A, 40A, 50A)	20 inch pounds.
Terminal Torque (60A, 85A)	25 inch pounds.

Mechanical

Terminal Accommodations	30A #14 AWG min. - #10 AWG max. solid and stranded copper wire only.
	40A #14 AWG min. - #8 AWG max. solid and stranded copper wire only.*
	50A #14 AWG min. - #8 AWG max. solid and stranded copper wire only.*
	60A #14 AWG min. - #4 AWG max. solid and stranded copper wire only.
	85A #14 AWG min. - #4 AWG max. solid and stranded copper wire only.

*Note: *Use listed/certified ring terminal.*

Field Wiring Terminal Ratings

Wire range, copper wire only	30A controller - #10 AWG 3 phase; #8 AWG 1 phase.
	40A controller - #8 AWG.
	50A controller - #8 AWG 75° C.
	60A controller - #6 AWG 75° C; #4 AWG 60° C.
	85A controller - #4 AWG 75° C.

AC Switches
Certification Chart

UL, CSA, and Fed. Spec. Listing Data

Catalog Numbers	Federal Spec. WS896 Listed	UL Listed UL20	CSA Certified
1201	Yes	Yes	Yes
1203	Yes	Yes	Yes
1221	Yes	Yes	Yes
1222	Yes	Yes	Yes
1223	Yes	Yes	Yes
1224	Yes	Yes	Yes
CS115	Yes	Yes	Yes
CS315	Yes	Yes	Yes
CS120	Yes	Yes	Yes
CS320	Yes	Yes	Yes
CSB115	Yes	Yes	Yes
CSB215	Yes	Yes	Yes
CSB315	Yes	Yes	Yes
CSB415	Yes	Yes	Yes
CSB120	Yes	Yes	Yes
CSB220	Yes	Yes	Yes
CSB320	Yes	Yes	Yes
CSB420	Yes	Yes	Yes
DS115	No	Yes	Yes
DS315	No	Yes	Yes
DS120	No	Yes	Yes
DS220	No	Yes	Yes
DS320	No	Yes	Yes
DS420	No	Yes	Yes
DS120IL	No	Yes	Yes
DS3201IL	No	Yes	Yes
DS120PL	No	Yes	Yes
HBL1201	Yes	Yes	Yes
HBL1202	Yes	Yes	Yes
HBL1203	Yes	Yes	Yes
HBL1204	Yes	Yes	Yes
HBL1201IL	Yes	Yes	Yes
HBL1203IL	Yes	Yes	Yes
HBL1201PL	Yes	Yes	Yes
HBL1203PL	Yes	Yes	Yes
HBL1201L	Yes	Yes	Yes
HBL1202L	Yes	Yes	Yes
HBL1203L	Yes	Yes	Yes
HBL1204L	Yes	Yes	Yes
HBL1221	Yes	Yes	Yes
HBL1222	Yes	Yes	Yes
HBL1223	Yes	Yes	Yes
HBL1224	Yes	Yes	Yes
HBL1221L	Yes	Yes	Yes
HBL1222L	Yes	Yes	Yes
HBL1223L	Yes	Yes	Yes
HBL1224L	Yes	Yes	Yes

Catalog Numbers	Federal Spec. WS896 Listed	UL Listed UL20	CSA Certified
HBL1221IL	Yes	Yes	Yes
HBL1223IL	Yes	Yes	Yes
HBL1221PL	Yes	Yes	Yes
HBL1222PL	Yes	Yes	Yes
HBL1223PL	Yes	Yes	Yes
HBL1221RKL	No	Yes	Yes
HBL1222RKL	No	Yes	Yes
HBL1223RKL	No	Yes	Yes
HBL1224RKL	No	Yes	Yes
HBL1259I	No	No	No
HBL1281	No	Yes	Yes
HBL1282	No	Yes	Yes
HBL1283	No	No	No
HBL1284	No	No	No
HBL1287I	No	Yes	Yes
HBL1288I	No	No	No
HBL1281MO	No	No	No
HBL1281MC	No	No	No
HBL1297	No	Yes	Yes
HBL1298	No	No	No
HBL1381	No	Yes	Yes
HBL1382	No	Yes	Yes
HBL1385	No	Yes	Yes
HBL1386	No	Yes	Yes
HBL1386L	No	Yes	Yes
HBL1388	No	Yes	Yes
HBL1556	No	Yes	Yes
HBL1557	No	Yes	Yes
HBL1556L	No	Yes	Yes
HBL1557L	No	Yes	Yes
HBL3031	Yes	Yes	Yes
HBL3032	Yes	Yes	Yes
HBL3033	Yes	Yes	Yes
HBL3031PL	Yes	Yes	Yes
HBL3032PL	Yes	Yes	Yes

Note: Catalog numbers above represent all colors and variations.

AC Dimmers
Technical Information
Dimmer – Ganging and Derating

Architectural Grade Slide and Rotary Series
Number of Switchboxes Required with Dimmer Side sections Intact

		Number of Small Controls (600W & 1000W)						
		0	1	2	3	4	5	6
Number of	0	0	1	1+1	4	1+4	7	1+7
Large Controls	1	1	3	5	6	8	9	11
(1500W & 2000W)	2	4	6	7	9	10	12	13
	3	6	8	10	11	13	14	16
	4	9	11	12	14	15	17	18
				Number of Gangs Required				

Note: When ganging an even number of small controls with no side sections removed (plus numbers in chart), use gangable switchboxes with tapped ears as shown below. Do not use plaster rings or gangbox covers. Space an additional switchbox ¾ in. apart from the other switchbox(es). A ¾ in. close nipple is recommended as a spacer between the switchboxes.

Number of Switchboxes Required with Side sections Removed

		Number of Small Controls (600W & 1000W)						
		0	1	2	3	4	5	6
Number of	0	0	1	2	3	4	5	6
Large Controls	1	1	3	4	5	6	7	8
(1500W & 2000W)	2	3	5	6	7	8	9	10
	3	5	7	8	9	10	11	12
	4	7	9	10	11	12	13	14
				Number of Gangs Required				

Note: When removing side sections, remove only inner side sections. Do not remove side sections on outer ends of gang. The same installation rules apply to rotary dimmers (not shown).

Derating Chart

No side sections removed	One side section removed	Both side sections removed
600W	600W	500W
1000W	900W	700W
1500W	1250W	1000W
2000W	1800W	1500W

Note: When ganging any combination of small and large controls, place a small control on one extreme end of the gang, and a large control at the other end of the gang. When ganging with side sections intact, use offset mounting holes. When ganging with side sections removed, use center mounting holes. Allow a $1/32$ in. gap (space) between controls for ease in attaching the faceplate.

Specification Grade Slide and Rotary Series
Switchboxes Required: Side sections removed

Derating Chart

1 dimmer in wall box	2 dimmers in wall box	3 or more dimmers in wall box
600W	500W	400W
1000W	800W	650W
5A fan speed	4A fan speed	3A fan speed

Example of four-gang installation

Three small dimmers in this box.

One small dimmer in this box.

Four-Gang Gangable Switchbox

Single-Gang Gangable Switchbox

3/4 Space (Use Close Nipple)

Remove All Inner Side Sections (Shaded)

Do Not Remove Outer Side Sections

AC Switches
Toggle Switch Wiring Diagrams

Standard Toggle Type Switches

SINGLE POLE	2 POLE	3 WAY	3 WAY	3 WAY	4 WAY	3 WAY

LINE   BLACK   LINE

NEUTRAL   WHITE   NEUTRAL

Lighted Switches (light on with load off)

SINGLE POLE LIGHTED   **3 WAY LIGHTED**

LINE   BLACK

NEUTRAL   WHITE

Pilot Light Switches (light on with load on)

SINGLE POLE PILOT   **DOUBLE POLE PILOT**

LINE   BLACK

NEUTRAL   WHITE

HUBBELL   **Wiring Device-Kellems**

AC Switches
Toggle Switch Wiring Diagrams

Three Way Pilot Switches

LINE 1	BLACK
NEUTRAL	WHITE
LINE 2	RED

Three Position Switches, Momentary and Maintained

SPDT CENTER OFF

DPDT CENTER OFF

LINE 1	BLACK
NEUTRAL	WHITE
LINE 2	RED

Switched Enclosures
Circuit-Lock® Unfused Disconnect Switches
"Suitable as Motor Disconnect"
Features and Benefits

Circuit-Lock® 30, 60, and 100 Ampere Unfused Disconnect Switches

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. NEC section 430.109(A)(6) recognizes that a manual motor controller and disconnect can be the same unit, provided it has been tested for this purpose. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements. In addition, the enclosure offers the ability to lock directly wired motor loads in the OFF position to comply with OSHA Lockout/Tagout regulations. This safety enclosure is Type 4X (Wash down, Corrosion resistant) and is also suitable for use with metallic conduit. The switch is mounted on an internal frame that is integral with the enclosure and bonds all grounds, and it accepts auxiliary contacts that can be used to signal PLC controllers.

Stainless steel hardware for corrosion resistance.

Molded-in conduit opening and field installed hub.

Internal frame automatically bonds all grounds.

High visibility red handle can be locked in the OFF position as a method of compliance with OSHA Lockout/Tagout requirements.

Reversible interior accommodates top or bottom conduit opening.

Captured neoprene gasket provides a watertight seal between cover and base.

Type 4X enclosure is molded of rugged Valox® to resist abuse, corrosion and enhance safety.

Three molded-in conduit drill points are located on the top, bottom, and back surface of enclosure.

HBLDS3

Circuit-Lock® Unfused Disconnect Switches are available in 30A, 60A and 100A 600 VAC ratings.

Auxiliary contacts are available for control circuit applications including the ON/OFF control of pilot lights or signal for programmable controllers.

Conduit hub and adjustable mounting feet are supplied for ease of installation.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Switched Enclosures
Circuit-Lock® 30, 60, 100 Ampere Unfused Disconnect Switches

"Suitable as Motor Disconnect"
Ordering Information

UL Listed, CSA Certified TYPE 4, 4X and 12 Enclosure Rating

IP66 SUITABILITY

Ordering Information 30A, 60A and 100A

Description	Catalog Numbers
30A Circuit-Lock disconnect switch.	HBLDS3
30A Circuit-Lock disconnect switch with aux. contact.	HBLDS3AC*
30A Circuit-Lock disconnect switch w/o conduit knockout or conduit fitting.	HBLDS3NK
30A Circuit-Lock disconnect switch with aux. contact w/o conduit knockout or conduit fitting.	HBLDS3ACNK*
30A Circuit-Lock disconnect switch with 3 aux. contacts, w/o conduit knockouts. Break before main break – 1 set "normally open", 1 set "normally closed". Break after main break – 2 sets "normally open", 1 set "normally closed".	HBLDS33ACNK
60A Circuit-Lock disconnect switch.	HBLDS6
60A Circuit-Lock disconnect switch with aux. contact.	HBLDS6AC*
100A Circuit-Lock disconnect switch.	HBLDS10
100A Circuit-Lock disconnect switch with aux. contact.	HBLDS10AC*

Auxiliary Contacts for 30, 60 and 100A switch, A600 pilot duty

Description	Catalog Numbers
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1**
"Break Before Main Break", 1 set of n/o contacts.	HBLAC2**

Ground Block

Description	Catalog Numbers
For 30A switches.	HBL30RGB
For 60A and 100A switches.	HBL60100RGB

Neutral Block

Description	Catalog Numbers
For 30A switches.	HBL30RNB
For 60A switches.	HBL60RNB
For 100A switches.	HBL100RNB

Replacement Covers

Description	Catalog Numbers
For 30A switches.	HBLDS3RC
For 60A switches.	HBLDS6RC
For 100A switches.	HBLDS10RC

Replacement Switches

Description	Catalog Numbers
For 30A switches.	HBLDS3RS
For 60 and 100A switches.	HBLDS60100RS
For HBLDS33ACNK.	HBLDS33ACRS

Replacement Mounting Feet

Description	Catalog Numbers
For 30A switches.	HBLRFT1∆
For 60 and 100A switches.	HBLRFT2∆

Notes: *Supplied with one HBLAC1.
**Not for use with HBLDS33ACNK.
30A Units are supplied with one ¾ in. NPT Raintight conduit fitting.
60A & 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.
∆Package of 10 feet and 10 screws.

HBLDS3AC, HBLAC1, HBLAC2, HBL30RGB, HBL30RNB, HBLDS3RC, HBLDS3RS, HBLRFT1

Switched Enclosures
Circuit-Lock® 30, 60 and 100 Ampere Unfused Disconnect Switches
Dimensions and Specifications

Dimensions

Key	30A inch	mm	60A/100A inch	mm
A	6.00	152	7.75	197
B	5.12	130	6.87	175
C	4.12	105	4.75	121
D	6.62	168	8.00	203
E	7.62	194	9.95	253
F	8.50	216	11.00	279
G	4.12	105	5.94	151

Horsepower Ratings

Voltage	30A	60A	100A
120V AC 1Ø	1	7.5	7.5
200–240V AC 1Ø	3	15	15
480V AC 1Ø	5	30	30
200–240V AC 3Ø	7.5	30	30
480V AC 3Ø	15	50	50
600V AC 3Ø	15	50	50

Circuit-Lock® Unfused Disconnect Switch

Specifications

Moisture Resistance	Outdoor – Type 4X (Wash down, Corrosion resistant), IP 66 suitability; Indoor – 30A Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids with Knockout). 60 and 100A Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous +75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating (Motor Disconnect)	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes, 600V AC max.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	External fully adjustable feet.
Impact Resistance	In accordance with UL 746C.

Circuit-Lock® Unfused Disconnect Switch

Materials

Part	Material
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc 30A Unfused - ¾ in.; 60/100A Unfused - 1¼ in.
Enclosure Gasket	Neoprene
Shaft (Unfused)	Valox®
Shaft Seal	Molded Neoprene
Frame	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Switched Enclosures
Circuit-Lock® Fused Disconnect Switches
"Suitable as Motor Disconnect"
Features and Benefits

Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches

The Circuit-Lock Fused Disconnect Switch provides fused switched control of a directly wired load. The switch cannot be turned ON unless the enclosure cover is closed. The fuses cannot be accessed until the switch is turned OFF. The fuse holder accepts Class "J" fuses. This enclosure is non-metallic and is listed for Outdoor/Indoor (Type 4X Wash down, Corrosion resistant). The handle can be locked in the OFF position to comply with OSHA Lockout/Tagout regulations.

Three molded-in conduit drill points are located on the top, bottom, and back surface of enclosure. Conduit hub provided: 30A 1 inch N.P.T., 60A 1¼ inch N.P.T.

Stainless steel hardware for corrosion resistance.

Safety interlocked fuse access door.

Non-metallic enclosure meets UL 50 Type 4X (watertight) 12K (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged Valox® to resist abuse, corrosion and enhance safety. All external hardware is stainless steel.

Removable door for ease of wiring and installation.

Adjustable mounting feet (4) can be mounted in any of three positions for ease of installation.

Fused disconnect switches accept Class "J" fuses.

Lockable high visibility red handle to meet OSHA Lockout/Tagout.

FDS30

Conduit hub and adjustable mounting feet are supplied with each Circuit-Lock® Fused Disconnect Switch.

Stainless steel ¼ inch turn door fasteners for quick, easy access to fuses.

Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened.

Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Switched Enclosures
Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches
"Suitable as Motor Disconnect"
Ordering Information and Dimensions

UL Listed, CSA Certified
TYPE 4, 4X and 12 Enclosure Rating

IP66
SUITABILITY

Ordering Information 30A and 60A

Description	Catalog Numbers
30A Circuit-Lock fused disconnect switch.	**FDS30***
60A Circuit-Lock fused disconnect switch.	**FDS60***

*Note: *Class "J" fuses not included.*

Auxiliary Contacts

Description	Catalog Numbers
Auxiliary contact, normally open, A600 pilot duty.	**ACFSNO**
Auxiliary contact, normally closed, A600 pilot duty.	**ACFSNC**

Watertight Closure Plug Kits

Description	Catalog Numbers
For 30A Circuit-Lock fused disconnect switch.	**MICPK30**
For 60A Circuit-Lock fused disconnect switch.	**MICPK60**

Replacement Mounting Feet

Description	Catalog Numbers
Replacement mounting feet and screws for 30A and 60A fused disconnect switches.	**HBLRFT2Δ**

Notes: 30A Units supplied with two 1 in. N.P.T. Raintight conduit fittings.
60A Units supplied with two 1¼ in. N.P.T. Raintight conduit fittings.
Δ Package of 10 feet and 10 screws.

FDS30

ACFSNO

MICPK30

HBLRFT2

Dimensions

15.03"
(381.8)

8.43"
(214.1)

7.27"
(184.7)

10.18"
(258.6)

9.31"
(236.5)

7.19"
(182.6)

3.60"
(91.4)

12.37"
(314.2)

14.48"
(367.8)

15.36"
(390.1)

11.46"
(291.6)

Switched Enclosures
Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches
Horsepower Ratings and Specifications

Horsepower Ratings

Catalog Numbers	Ratings	Volts	Std. HP	Max. HP*
FDS30	30A 600V AC Max.	120V AC 208-240V AC 240V AC 3Ø 480V AC 3Ø 600V AC 3Ø 120/208V AC 3Ø Y 277/480V AC 3Ø Y 347/600V AC 3Ø Y	0.5 1.5 3.0 5.0 7.5 3.0 5.0 7.5	2.0 3.0 7.5 15.0 20.0 5.0 15.0 20.0
FDS60	60A 600V AC Max.	120V AC 208-240V AC 240V AC 3Ø 480V AC 3Ø 600V AC 3Ø 120/208V AC 3Ø Y 277/480V AC 3Ø Y 347/600V AC 3Ø Y	1.5 3.0 7.5 15.0 15.0 7.5 15.0 15.0	3.0 7.5 15.0 30.0 40.0 15.0 30.0 40.0

*Notes: *Requires time delay fuses.*
30A Units supplied with two 1 in. NPT Raintight conduit fittings.
60A Units supplied with two 1¼ in. NPT Raintight conduit fittings.

Fuse and Short Circuit Information

Horsepower Ratings	The starting current of motors of more than the standard horsepower rating may require the use of fuses with appropriate time-delay characteristics.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 100,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class "J" fuses.

Note: Replacement fused switch must be the same type Hubbell switch as original and have equal or greater short circuit current withstand rating.

Circuit-Lock® Fused Disconnect Switch

Specifications

Moisture Resistance	Outdoor – Type 4X (Wash down, Corrosion resistant), IP 66 suitability; Indoor – Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous +75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	External fully adjustable feet.
Fuse Types	UL Listed, Class "J"; CSA Certified, HRCI-J.

Materials

Part	Material
Base	Valox®
Door	Valox®
Handle	Valox®
Conduit Hub	Zinc, 30A Fused – 1 in., 60A Fused – 1¼ in.
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Frame	Galvanized Steel
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Section D
H-MOSS® Occupancy Sensors

Index

Wall Switches

Wall Mount Sensors

Residential and Vacancy Sensors

Ceiling Sensors

H-MOSS® Occupancy Sensors
Technology for Today's Needs

H-MOSS® Occupancy Sensors feature the latest in technological advances.

Adaptive Technology

Adaptive Technology is a Hubbell breakthrough that delivers benefits to the building owner and occupants. The building owner realizes reduced energy costs, fewer adjustments and less maintenance. The building occupant experiences fewer false-offs, disturbances and lower energy costs.

Adaptive technology sensors use microprocessor-based technology which makes all the decisions for setting adjustments. Internal software constantly monitors the controlled area and automatically adjusts the sensitivity and timer based on environmental history. This means that instead of manually adjusting the sensor for seasonal changes, modified airflow, and furniture layout or occupancy pattern changes, the sensor will automatically adjust itself. These automatic adjustments will eliminate the need for multiple adjustments by maintenance personnel or outside contractors.

Hubbell offers adaptive technology throughout its product offering (wall switches, ceiling and wall mount sensors) in conjunction with dual technology (ultrasonic and passive infrared), ultrasonic, and passive infrared products.

Dual Technology

Dual technology occupancy sensors use both passive infrared and ultrasonic technologies for maximum reliability. These sensors also minimize the risk of false triggering (lights coming on when the space is unoccupied). Both ultrasonic (US) and passive infrared (PIR) technologies must detect occupancy to turn lighting on, while continued detection by only one technology will keep lighting on. The dual technology sensors are the best performing sensor for most applications.

Ultrasonic (US)

Ultrasonic technology senses occupancy by bouncing ultrasonic sound waves (32kHz - 45kHz) off objects in a space and detecting a frequency shift between the emitted and reflected sound waves. Movement by a person or object within the space causes a shift in frequency, which is interpreted as occupancy. Ultrasonic occupancy sensors are good at detecting minor motion (e.g. typing, reading) and do not require an unobstructed line-of-sight, thus making them suitable for applications such as an office with cubicles or a restroom with stalls.

Passive Infrared (PIR)

Passive infrared (PIR) technology senses occupancy by detecting the difference between heat emitted from the human body and the background space. PIR sensors require an unobstructed line-of-sight for detection. These sensors utilize a segmented lens, which divides the coverage area into zones. Movement between these zones is interpreted as occupancy. PIR sensors are good at detecting major motion (e.g. walking) and work best in small, enclosed spaces with high levels of occupant movement.

H-MOSS® Occupancy Sensors
Energy Savings with Occupancy Sensors

Typical Applications

Wall Switch ❶

Ceiling Sensor ❷

Wall Sensor ❸

Applications are generalized. Consult your Hubbell representative for the type of technology and products that fit your needs.

Location	Passive Infrared (PIR)	Ultrasonic	Dual Technology	Sensor Style
Bedroom	✓			❶❷
Cafeteria	✓	✓		❶❷
Closet	✓	✓		❶
Conference Room		✓	✓	❶❷❸
Classroom		✓	✓	❷
Lecture Hall			✓	❷
Library		✓		❷
Hallway		✓		❷
Rest Room (multi-stall)		✓	✓	❶❷
Private Office	✓	✓	✓	❶❷
Storage	✓	✓		❶❷❸
Lobby	✓		✓	❶❷❸
Warehouse	✓			❸

Occupancy Sensors = Energy Savings

For many years, occupancy sensors have been highlighted as a way to reduce energy consumption. The California Department of Energy has stated that lighting accounts for 35–45% of an office buildings energy use.

As seen in the chart, occupancy sensors can potentially reduce lighting use by 13–90%. In a large office building, for example, occupancy sensors can be an excellent way of reducing energy costs for both building operators and tenants.

Potential Energy Savings Using Occupancy Sensors

Energy Savings Percentage Range

Open Office, Private Office, Classroom, Conference Room, Storage Room, Restroom

10% 20% 30% 40% 50% 60% 70% 80% 90%

Source: Esource

Return on Investment (ROI)

Occupancy sensors can save a building operator or tenant money, but what is the return on investment (ROI) for a capital expenditure of this nature? Hubbell has developed a tool, the H-MOSS® ROI Worksheet, that can be accessed from the Hubbell website, www.hubbell-wiring.com, or from a Hubbell representative. This simple to use worksheet helps calculate present annual energy costs without sensors and estimated annual costs with sensors. The savings and short payback time can be surprising.

As energy costs continue to climb, standards and codes become more stringent, and the "greening" of commercial and residential buildings increases across the country, you should look toward Hubbell Occupancy Sensors to help decrease your energy costs.

Layout Capabilities and Technical Support

Hubbell representatives are available to meet and discuss any project, large or small. We can provide an occupancy sensor layout based on blueprints, either in electronic or paper form and a bill of material (BOM). All questions can be addressed by our technical service department.

H-MOSS® Occupancy Sensors
Reduce Energy

Reduce Energy Consumption and Meet Federal and State Standards and Guidelines

Reduction of energy consumption at all levels: local, state and national is critical. Today's buildings, both commercial and residential—new and renovated—must follow new state and federal standards and codes which call for energy efficiency throughout a facility.

LEED

LEED (Leadership in Energy and Environmental Design) which is sponsored by the U.S. Green Building Council (USBC) has created a rating system to define what constitutes a green building by establishing common standards of measurement, and promoting integrated and whole building design. This certification applies to both new and renovated commercial buildings. Points are awarded by category and there are four levels of certification—certified, silver, gold and platinum.

Hubbell offers a large array of occupancy sensors-ceiling, wall mount and wall switch, along with dimmers, which can be utilized to help increase energy efficiency in the following:

LEED Credit Categories

Sustainable Sites– SS
Light pollution reduction

Energy and Atmosphere– EA
Optimize energy performance

Indoor Environment Quality– EQ
Controllability of systems, lighting

Innovation & Design Process– ID
Innovation in design

H-MOSS® Occupancy Sensors
Energy Savings and Codes

ASHRAE/IESNA 90.1 Standard
Among the requirements in this standard is that a building of 5,000 square feet or more, except for lighting operated 24 hours per day, must incorporate automatic control devices to turn off all lighting.

IECC 2003 Lighting Control Provision
The International Energy Conservations Code (IECC) which has been adopted by some states, affects new construction, additions and alterations for all commercial buildings, including residential structures with four or more stories above grade. It requires an automatic shutoff of all lighting for buildings larger than 5,000 square feet with occupancy sensors as one way to achieve this goal.

California Energy Commission (CEC) Title 24 Program
California's Title 24 Program sets up some of the most stringent standards and regulations in the country to reduce energy consumption in both commercial and residential structures.

Some of the key provisions are:

Multi-level lighting control
Any enclosed space 100 square feet or larger which has a connected lighting load that exceeds 0.8 watts per square foot and has more than one light source (luminaire) shall be controlled so that the load for lights may be reduced by a minimum of 50%.

Area controls
Each area enclosed by ceiling height partitions must have an independent switching or control device—occupancy sensor or manual switch.

Automatic shut-off controls
For every floor, all indoor lighting must have a separate automatic control, capable of automatically shutting off the lighting.

Residential buildings
In 2005, Title 24 simplified and expanded the standard to include use of high efficacy luminaires, manual-on occupancy sensors, fluorescent lights or dimmers in most rooms of the home such as bedrooms, bathroom, garage, living room, hallway, and utility room.

Hubbell offers many models of occupancy, vacancy and dimmers (all CEC Title 24 compliant) that will enable builders, contractors and homeowners to meet these new requirements.

H-MOSS® Occupancy Sensors
Adaptive Dual Technology Wall Switches
Features and Benefits

Available in two standard colors, ivory and white; light almond, black and gray are special order.

Dual technology sensing combines the individual advantages of passive infrared and ultrasonic detection.

Impact resistant hard lens is standard.

Designed for use on 120 or 277V AC circuits.

Adaptive technology - "Install and forget" operation, analyzes environment and adjusts sensitivity and timer, eliminating the need for manual adjustment.

Built in photocell with manual super saver mode for daylight harvesting.

Auto or manual "On" operating modes. Available in either single or dual circuit versions.

Adaptive Passive Infrared Wall Switches
Features and Benefits

Ivory and white models available to match office decor.

High density 1200 square foot coverage.

Two-color LED provides instant feedback of sensor status.

Front press switch allows the occupant to switch the sensor from automatic operation to momentary off mode. The sensor returns to automatic operation mode 30 minutes after the last detected motion.

Designed for use on 120 or 277V AC circuits.

Heavy-duty relay controls up to 1800 watts at 120V AC or 4155 watts at 277V AC.

Soft tone alert provides audible indication of sensor time-out 12 seconds prior to switching lights out.

Digital pushbutton ambient light level control located behind cover allows for quick, accurate setting of ambient light threshold.

H-MOSS® Occupancy Sensors
Wall Switches
Featuring Adaptive Technology

UL US LISTED

U.S. GREEN BUILDING COUNCIL MEMBER

All H-MOSS Wall Switches with Adaptive Technology featured below have the following standard features:

- Adaptive technology – "Install and forget" operation
- All digital sensing technology
- Dual 120/277V AC operation
- Auto or manual "On" operating modes
- No minimum load requirements
- Hard lens (dual technology, passive infrared)
- Zero arc point switching

- Built in photocell with manual super saver mode for daylight harvesting
- Two relays for two level switching or dual load control (AD, AP AU1277x2, 2N series)
- C-UL US

AD1277W1

Adaptive Technology, Dual (Ultrasonic and Passive Infrared)

50/60Hz, 1000 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC

Circuit	Button	Color	Catalog Numbers
Single	1 Button for manual/auto control	Ivory White	AD1277I1 AD1277W1
Single	Auto control with no button	Ivory White	AD1277I1N AD1277W1N
Dual	2 Buttons for manual/auto control	Ivory White	AD1277I2 AD1277W2
Dual	Auto control with no button	Ivory White	AD1277I2N AD1277W2N

Sensors are available in three special order colors. To order special order colors, replace "I or W" with the following: LA (Light Almond), GY (Gray) or BK (Black). Special order colors have minimum ordering requirements and minimum lead times. Please call Customer Service for further information. Wallplates are sold separately.

**AD1277W1N
AD1277W2N**

■ Ultrasonic Major Motion
■ Ultrasonic Minor Motion
■ Passive Infrared

AD1277W2

Adaptive Technology, Ultrasonic

50/60Hz, 400 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC

Circuit	Button	Color	Catalog Numbers
Single	1 Button for manual/auto control	Ivory White	AU1277I1 AU1277W1
Single	Auto control with no button	Ivory White	AU1277I1N AU1277W1N
Dual	2 Buttons for manual/auto control	Ivory White	AU1277I2 AU1277W2
Dual	Auto control with no button	Ivory White	AU1277I2N AU1277W2N

Sensors are available in three special order colors. To order special order colors, replace "I or W" with the following: LA (Light Almond), GY (Gray) or BK (Black). Special order colors have minimum ordering requirements and minimum lead times. Please call Customer Service for further information. Wallplates are sold separately.

AU1277W1

**AU1277W1N
AU1277W2N**

■ Ultrasonic Major Motion
■ Ultrasonic Minor Motion

AU1277W2

H-MOSS® Occupancy Sensors
Wall Switches
Featuring Adaptive Technology

AP1277W1

AP1277W1N
AP1277W2N

AP1277W2

AT1277W

ATP1277W

Adaptive Technology, Passive Infrared

50/60Hz, 1000 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC

Circuit	Button	Color	Catalog Numbers
Single	1 Button for manual/auto control	Ivory	AP1277I1
		White	AP1277W1
Single	Auto control with no button	Ivory	AP1277I1N
		White	AP1277W1N
Dual	2 Buttons for manual/auto control	Ivory	AP1277I2
		White	AP1277W2
Dual	Auto control with no button	Ivory	AP1277I2N
		White	AP1277W2N

Sensors are available in three special order colors. To order special order colors, replace "I or W" with the following: LA (Light Almond), GY (Gray) or BK (Black). Special order colors have minimum ordering requirements and minimum lead times. Please call Customer Service for further information. Wallplates are sold separately.

■ Passive Infrared

28'
28'
50'

Adaptive Technology, Passive Infrared

- Adaptive technology – "Install and forget" operation
- Passive infrared technology
- Dual 120/277V AC operation
- Heavy duty relay (AT1277)
- Audible alarm before sensor turns lights off (AT1277)
- 1200 square foot coverage
- Built in photocell for daylight harvesting
- Nylon wallplate included

Description		120V AC	277V AC	Color	Catalog Numbers
One Button	c(UL)us LISTED	1800W ¼ HP 5.8A (Fan)	4155W Fluorescent	Ivory White	AT1277I AT1277W
One Button	(UL) c(UL)	800W Incandescent 800W Fluorescent	1200W Fluorescent	Ivory White Gray	ATP1277I ATP1277W ATP1277GY

■ Passive Infrared

16'
16'
40'

Horizontal Coverage

20' (6.1m)
10' (3.0m)
14.5" (36.8cm)
29" (73.3cm)
3.5°
3.5°
Mounting Height 42" to 54" (106.7 to 137.2cm)
See Horizontal View for Range

Vertical Coverage

HUBBELL® Wiring Device-Kellems www.hubbell-wiring.com

Wall Switches with Adaptive Technology

H-MOSS® Occupancy Sensors
Wall Switches and Digital Timer Wall Switch
Passive Infrared Sensors and Timer

Passive Infrared Wall Switches

- Passive infrared technology
- Manual adjustment time delay
  (WS1277 - 20 sec. to 30 min.)
  (WS120/WS277 - 30 sec. to 30 min.)
- Photocell (WS1277I, WS1277W)
- Dual level switching from one or two circuits
  (WS1277W2)
- Nylon wallplate included (except WS1277W2)

Description		Coverage	120V AC	277V AC	Color	Catalog Numbers
One button 120/277V AC	c (UL) US LISTED	1200 sq. ft.	800W	1200W	Ivory White	WS1277I WS1277W
One button, 120V AC	(UL) c(UL)	900 sq. ft.	800W Incandescent 1000W Fluorescent	N/A	Ivory White	WS120I WS120W
One button, 277V AC	(UL) c(UL)	900 sq. ft.	N/A	1800W Fluorescent	Ivory White	WS277I WS277W
Double pole switch, 120/277V AC	(UL) c(UL)	1000 sq. ft.	600W Incandescent* 1000W Fluorescent*	1800W Fluorescent	White	WS1277W2
Two-gang adapter wallplate for **WS1277W2** to mount to a two-gang box						WSAP

*Note: *per circuit.*

🟧 Passive Infrared

WS1277

WS120, WS277

WS1277W2

Digital Timer Wall Switch

Description	120V AC	277V AC	Color	Catalog Numbers
Dip switch enabled preset intervals - 5,15 or 30 minutes - 1, 3, 6, 9 or 12 hours Includes an on/off momentary push button switch feature.	800W	1200W	White	DT1277W

WS1277W

WS120W

WS1277W2

DT1277W

H-MOSS® Occupancy Sensors
Wall Switches
Residential Occupancy and Vacancy Sensors

C-UL-US LISTED

RMS101W

RMS121W

RMS121ILW

RMS141W

RMS100W

RMS120W

RMS120ILW

RMS140W

Residential Occupancy Sensors – Passive Infrared

- Passive infrared technology
- Photocell equipped for daylight harvesting
- Auto-on, auto-off
- Delayed off adjustment from 30 seconds to 30 minutes
- Patent pending "alert to off" feature dims lights prior to going off (RMS101 & 121)
- C-UL US

Description	Coverage	120V AC	277V AC	Color	Standard Catalog Numbers	Nightlight Catalog Numbers
Single pole switch with button, 150° view	800 sq. ft.	500W Incandescent	N/A	Ivory	RMS101I	RMS101ILI
				White	RMS101W	RMS101ILW
				Almond	RMS101AL	RMS101ILAL
				Light Almond	RMS101LA	RMS101ILLA
Single pole switch with dimming, 150° view	800 sq. ft.	500W Incandescent	N/A	Ivory	RMS121I	RMS121ILI
				White	RMS121W	RMS121ILW
				Almond	RMS121AL	RMS121ILAL
				Light Almond	RMS121LA	RMS121ILLA
Heavy duty switch, 180° view	900 sq. ft.	800W Incandescent 1000W Fluorescent	1800W Fluorescent	Ivory	RMS141I	—
				White	RMS141W	—
				Almond	RMS141AL	—

Vacancy Sensors – Passive Infrared – CA Title 24 Compliant

- Passive infrared technology
- Manual-on, auto-off
- Patent pending "alert to off" feature dims lights prior to going off (RMS100 & 120)
- Delayed off, adjustment from 30 seconds to 30 minutes
- C-UL US

Description	Coverage	120V AC	277V AC	Color	Standard Catalog Numbers	Nightlight Catalog Numbers
Single pole switch with button, 150° view	800 sq. ft.	500W Incandescent	N/A	Ivory	RMS100I	RMS100ILI
				White	RMS100W	RMS100ILW
				Almond	RMS100AL	RMS100ILAL
				Light Almond	RMS100LA	RMS100ILLA
Single pole switch with dimming, 150° view	800 sq. ft.	500W Incandescent	N/A	Ivory	RMS120I	RMS120ILI
				White	RMS120W	RMS120ILW
				Almond	RMS120AL	RMS120ILAL
				Light Almond	RMS120LA	RMS120ILLA
Heavy duty switch, 180° view	900 sq. ft.	800W Incandescent 1000W Fluorescent	1800W Fluorescent	Ivory	RMS140I	—
				White	RMS140W	—
				Almond	RMS140AL	—

■ Passive Infrared

14'
14'
5°
5°
Mounting Height 36" to 54" (91.44 to 137.16 cm)
35'
35'

Horizontal Coverage
Vertical Coverage
RMS101, RMS121, RMS100, RMS120

16'
16'
15°
15°
Mounting Height 36" to 54" (91.44 to 137.16 cm)
35'
35'

Horizontal Coverage
Vertical Coverage
RMS141, RMS140

D-10

H-MOSS® Occupancy Sensors
Adaptive Technology Ceiling Sensors
Features and Benefits

Red LED indicates passive infrared detection.

Ultrasonic transmitter and receiver for coverage in each direction for superior sensing of motion.

Off-white ABS enclosure blends with ceiling tile.

Dual element passive-infrared detector and lens sense heat in motion.

Green LED indicates ultrasonic detection.

Isolated relay included on sensors with "RP" suffix for interfacing sensor to auxiliary systems such as HVAC.

Ambient light level control featured on sensors with "RP" suffix to prevent unnecessary lighting usage when natural light is sufficient.

Adaptive Technology Wall Mount Sensors
Features and Benefits

Dual technology sensing combines the individual advantages of passive infrared and ultrasonic detection.

110° coverage provides complete room sensing when corner mounted.

Swivel mounting bracket allows sensor to be easily adjusted in ceiling or wall mount applications.

Green LED indicates ultrasonic detection.

Red LED indicates passive infrared detection.

Ambient light level control featured on sensors with "RP" suffix to prevent unnecessary lighting usage when natural light is sufficient.

H-MOSS® Occupancy Sensors
Ceiling Sensors
Featuring Adaptive Technology

c(UL)us LISTED

ATD2000CRP
ATD2000C

All H-MOSS ceiling sensors with Adaptive Technology, contain the following standard features:

- Adaptive technology – "Install and forget" operation
- All digital sensing technology
- Photocell for daylight harvesting and relay to interface with auxiliary systems such as HVAC (RP models)
- Non-volatile memory – Learned and adjusted settings retained after power outage
- 24V DC, 33mA
- 32kHz (ATD/ATU500C & CRP - 40kHz)
- Mounting base included with sensor

Adaptive Technology, Dual (Ultrasonic and Passive Infrared)

Combines the excellent minor motion detection of ultrasonic with the outstanding passive infrared (PIR) long-range major motion detection.

Coverage	Color	Catalog Numbers
2000 sq. ft. with photocell and isolated relay	White	ATD2000CRP
2000 sq. ft.	White	ATD2000C
1000 sq. ft. with photocell and isolated relay	White	ATD1000CRP
1000 sq. ft.	White	ATD1000C
500 sq. ft. with photocell and isolated relay	White	ATD500CRP
500 sq. ft.	White	ATD500C

Note: All ATD ceiling sensors must use a CU series control unit.

ATD1000CRP
ATD1000C
ATD500CRP
ATD500C

■ Ultrasonic Major Motion
■ Ultrasonic Minor Motion
■ Passive Infrared

ATD2000CRP, ATD2000C

ATD1000CRP, ATD1000C

Adaptive Technology, Ultrasonic

Excellent minor motion detection.

Coverage	Color	Catalog Numbers
2000 sq. ft. with photocell and isolated relay	White	ATU2000CRP
2000 sq. ft.	White	ATU2000C
1000 sq. ft. with photocell and isolated relay	White	ATU1000CRP
1000 sq. ft.	White	ATU1000C
500 sq. ft. with photocell and isolated relay	White	ATU500CRP
500 sq. ft.	White	ATU500C

Note: All ATU ceiling sensors must use a CU series control unit.

ATU2000CRP
ATU2000C

ATU1000CRP
ATU1000C
ATU500CRP
ATU500C

■ Ultrasonic Major Motion
■ Ultrasonic Minor Motion

ATU2000CRP, ATU2000C

ATU1000CRP, ATU1000C

ATU2000CRP, ATU2000C
Hallway Application

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

H-MOSS® Occupancy Sensors

Ceiling Sensors with Adaptive Technology

H-MOSS® Occupancy Sensors
Ceiling and Wall Mount Sensors, Control Units, and Add-A-Relay

Adaptive Passive Infrared

Outstanding long range major motion detection.

Description	Coverage	Color	Catalog Numbers
Wide view lens	1500 sq. ft. with photocell and isolated relay	White	**ATP1500CRP**
Wide view lens	1500 sq. ft.	White	**ATP1500C**
High density lens	450 sq. ft. with photocell and isolated relay	White	**ATP600CRP**
High density lens	450 sq. ft.	White	**ATP600C**

Note: All ATP ceiling sensors must use a CU series control unit.

Ultrasonic Major Motion
Ultrasonic Minor Motion
Passive Infrared

ATD1600WRP, ATD1600W

ATP1600WRP, ATP1600W

Side View

Top View

ATP120HBRP, ATP120HB

ATP1500CRP, ATP1500C

ATP1500CRP

Adaptive Technology Wall Mount Sensors

- Adaptive technology – "Install and forget" operation
- Swivel mounting bracket included for wall or ceiling mounting
- All digital sensing technology
- Photocell for daylight harvesting and relay interface with auxiliary systems such as HVAC (WRP and HBRP models)
- 24V DC, 33mA

Dual (Ultrasonic and Passive Infrared)

Description	Coverage	Color	Catalog Numbers
32kHz, with photocell and isolated relay	1600 sq. ft.	White	**ATD1600WRP**
32kHz	1600 sq. ft.	White	**ATD1600W**

Passive Infrared

Description	Coverage	Color	Catalog Numbers
With photocell and isolated relay	1600 sq. ft.	White	**ATP1600WRP**
	1600 sq. ft.	White	**ATP1600W**
For aisle and high bay applications, with photocell and isolated relay	50 linear ft.	White	**ATP120HBRP**
For aisle and high bay applications	50 linear ft.	White	**ATP120HB**

Note: All wall mount sensors must use a CU series control unit.

ATD1600WRP
ATD1600W

ATP1600WRP

Control Units

Hubbell CU series control units provide a 24V DC power supply for 1 to 3 sensors or sensor/Add-A-Relay combinations. The CU300A provides a 24V DC power supply for 1 to 4 sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external lighting load. All control units are plenum rated.

Description	Catalog Numbers
120V AC, 60 Hz, for use with ATD, ATU & ATP series ceiling and wall mount sensors	**CU120A**
230V AC, 50/60 Hz, for use with ATD, ATU & ATP series ceiling and wall mount sensors	**CU230A**
277V AC, 60 Hz for use with ATD, ATU & ATP series ceiling sensors and wall mount sensors	**CU277A**
120/277V AC, 50/60 Hz for use with ATD, ATU & ATP series ceiling sensors and wall mount sensors (Available Q2 2008)	**CU300A**
347V AC, 60 Hz, for use with ATD, ATU & ATP series ceiling and wall mount sensors	**CU347A**

CU120A, CU230A, CU277A, CU300A, CU347A

Add-A-Relay

Hubbell AAR Add-A-Relay contains an internal relay for control of an external lighting load. The AAR requires a 24V DC power supply from the Hubbell CU series control unit. The AAR is typically used when: 1. It is desired to switch more than one circuit when occupancy is sensed. 2. The lighting load exceeds the maximum rating of the control unit.

Description	Catalog Number
For use with CU series control units and Hubbell ATD, ATU and ATP series ceiling and wall mount sensors.	**AAR**

AAR

All Hubbell H-MOSS® Occupancy Sensors are covered by a 5 year limited warranty.

H-MOSS® Occupancy Sensors
Specifications and Wiring Schematics
Dual Technology and Ultrasonic Wall Switches

Adaptive Dual Technology Wall Switch
AD1277 Series Wall Switches

Electrical	AD1277 Series
Power Supply	120/277V AC, 50/60 Hz.
Load Capacity	
Incandescent	0 to 800 watts.
120V AC	0 to 600 watts.
277V AC	0 to 1200 watts.
Agency Approvals	cUL US Listed.

Physical	
Housing	High impact plastic (UL-94-5V).
Lens	Dual element pyrometer and 12 element cylindrical hard lens.
Dimensions	Face 2.59"H x 1.73"W, 0.37"D (from wall out).
Mounting Height	42 to 54 inches above floor.

Environmental	
Operating	32°F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity.

Controls	
Time Delay	Digital, adaptive 4 to 30 minutes.
Ambient Light	Adjustable ambient light override, 10 to 500 foot candles.
Front Press Switch	Auto/Off.
Sensitivity	Adaptive 0% to 100%.
Service Switch	Air gap off.

Sensing Indicator	
Passive Infrared	Red LED.
Ultrasonic	Green LED.

Adaptive Technology Ultrasonic and Passive Infrared Wall Switches
AP1277 and AU1277 Series Wall Switches

Electrical	AP1277 Series, AU1277 Series
Power Supply	120/277V AC, 50/60 Hz.
Load Capacity	
Incandescent	0 to 800 watts.
120V AC	0 to 600 watts.
277V AC	0 to 1200 watts.
Agency Approvals	cUL US Listed.

Physical	
Housing	High impact plastic (UL-94-5V).
Lens	Dual element pyrometer and 12 element cylindrical hard lens (AP1277 only).
Dimensions	Face 2.59"H x 1.73"W, 0.37"D (from wall out).
Mounting Height	42 to 54 inches above floor.

Environmental	
Operating	32° F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity.

Controls	
Time Delay	Digital, adaptive 4 to 30 minutes. 20 minutes default.
Ambient Light	Adjustable ambient light override, 10 to 500 foot candles.
Front Press Switch	Auto/Off.
Sensitivity	Adaptive 0% to 100%.
Service Switch	Air gap off.

Sensing Indicator	
Passive Infrared	Red LED (AP1277 only).
Ultrasonic	Green LED.

Wiring Schematic AD, AU, AP, 1277 Series Wall Switch Sensors

Single Circuit Wiring

120/277 VAC Black
Green Ground
Red — Load 1

Dual Circuit Sensor, Wired for Dual Circuits

Line circuit 1 120/277 VAC Black
Green Ground
Blue
Line circuit 2 120/277 VAC
Red — Load 1
Violet — Load 2

Dual Circuit Sensor, Wired for Single Circuit

Black
Green Ground
Line circuit 120/277 VAC
Blue
Red — Load 1
Violet — Load 2

Single Circuit Sensor wired as 3-Way Sensor

Ground — Green
Neutral
Hot
Lighting Load A
Black — Red

Dual Circuit Sensor wired as 3-Way Sensor

Ground — Green
Neutral
Hot — Black
Lighting Load A
Red
Blue
Violet
Lighting Load B

Note: Sensor is shipped with all dip switches in the OFF position (factory default).

H-MOSS® Occupancy Sensors
Specifications and Wiring Schematics
Passive Infrared Wall Switches

Adaptive Technology PIR Wall Switch
AT1277 Series Wall Switches

Electrical	AT1277 Series
Power Supply	120/277V AC, 50/60 Hz.
Load Capacity	
120V AC	0 to 1800 watts.
277V AC	0 to 4155 watts.
Agency Approvals	UL Listed, cUL Certified.

Physical	
Housing	Flame retardant UL 94 V-0 ABS.
Lens	Polyethylene.
Dimensions	Face 2.61"H x 1.29"W, 0.73"D (from wall out).
Mounting Height	42 to 54 inches above floor.

Environmental	
Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% non-condensing relative humidity.
Storage	-20°F to 150°F (-29°C to 65°C); 20% to 90% noncondensing relative humidity.

Controls	
Time Delay	Digital, test (15 seconds), Adaptive 5 to 30 minutes.
Ambient Light	Digital, pushbutton, 30 to 300 foot candles.
Front Press Switch	Auto/Momentary Off (30 minutes after last motion, switch returns to automatic mode).
Service Switch	Auto/Off.

Sensing Indicators	
Passive Infrared	2-color LED (red, green).

Adaptive Technology PIR Wall Switch
ATP1277 and WS1277 Series Wall Switches

Electrical	ATP1277 Series, WS1277 Series
Power Supply	120/277V AC, 60 Hz.
Load Capacity	
Incandescent	0 to 800 watts.
120V Ballast	0 to 800 watts.
277V Ballast	0 to 1200 watts.
Agency Approvals	UL Listed, cUL Certified.

Physical	
Housing	Flame retardant UL 94 V-0 ABS.
Lens	Polyethylene.
Dimensions	Face 2.61"H x 1.29"W, 0.73"D (from wall out).
Mounting Height	42 to 54 inches above floor.

Environmental	
Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% non-condensing relative humidity.
Storage	-40°F to 150°F (-40°C to 65°C); 20% to 90% noncondensing relative humidity.

Controls	
Time Delay	
ATP1277 Series	Digital, test (20 seconds), Adaptive 5 to 30 minutes.
WS1277 Series	Manual 20 seconds to 30 minutes.
Ambient Light	Digital, pushbutton, 30 to 300 foot candles.
Front Press Switch	Auto/Momentary Off (30 minutes after last motion, switch returns to automatic mode).
Service Switch	Auto/Off.

Sensing Indicators	
Passive Infrared	Red LED.

Wiring Schematic
AT1277, ATP1277 and WS1277
Series Wall Switches

Normal Wiring

Parallel Wiring

*Note: Rewire to replace two 3-way switches.
Load can not exceed the rating of one switch.*

H-MOSS® Occupancy Sensors
Specifications and Wiring Schematics
Passive Infrared Wall Switches

Passive Infrared Wall Switches
RMS100, RMS101, RMS100IL, RMS101IL, RMS120, RMS121, RMS120IL, and RMS121IL

Electrical

Power Supply	120V AC, 60 Hz.
Load Capacity	
Incandescent	25 to 500 watts.
Agency Approvals	UL Listed, cUL US Listed.

Physical

Housing	High-impact ABS.
Lens	Polyethylene.
Dimensions	Face 2.6"H x 1.3"W, 0.40"D (from wall out).
Mounting Height	42 to 54 inches above floor.

Environmental

Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% noncondensing relative humidity.
Storage	-23°F to 150°F (-10°C to 65°C); 20% to 90% noncondensing relative humidity.

Controls

Time Delay	30 seconds to 30 minutes.
Front Press Switch	Auto/Off.
Manual Override	
Bypass	Override ON key provided.
50% Dim Down	Lights dim to 50% 30 seconds prior to switching off.

Sensing Indicator

Passive Infrared	Red LED.

Passive Infrared Wall Switch for Dual Level Lighting
RMS140 and RMS141

Electrical

Power Supply	120/277V AC, 50/60 Hz, ⅙ HP.
Load Capacity	
Incandescent	800 watts.
120V Ballast	0 to 1000 watts each fluorescent circuit.
277V Ballast	0 to 1800 watts each fluorescent circuit.
Agency Approvals	UL Listed, cUL Certified.

Physical

Housing	High-impact ABS.
Lens	Polyethylene.
Dimensions	Face 2.6"H x 1.3"W, 0.36" (from wall out).
Mounting Height	42 to 54 inches above floor.

Environmental

Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% noncondensing relative humidity.
Storage	-23°F to 150°F (-10°C to 65°C); 20% to 90% noncondensing relative humidity.

Controls

Time Delay	30 seconds to 30 minutes.
Front Rocker Switches (two)	Auto/Off.
Manual Override	
Bypass	Override ON key provided.

Sensing Indicator

Passive Infrared	Red LED.

Wiring Schematic
RMS100, RMS101, RMS100IL, RMS101IL, RMS120, RMS121, RMS120IL, RMS121IL, RMS140, and RMS141 Series Wall Switches

Normal Wiring

Wiring Schematic
RMS140 and RMS141 Series Wall Switches

Parallel Wiring

Note: Rewire to replace two 3-way switches. Load can not exceed the rating of one switch.

Specifications and Wiring Schematics
Ceiling and Wall Mount Sensors

Adaptive Dual Technology, Ultrasonic and Passive Infrared Ceiling and Wall Mount Sensors ATD, ATU, ATP Series Ceiling and Wall Mount Sensors

Electrical	
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit.
Isolated Relay	Normally open and normally closed.
(sensors with RP suffix)	Terminals available.
Agency Approvals	UL Listed.

Physical	Ceiling Sensors
Housing	Flame retardant UL 94 V-0 ABS.
Lens	Polyethylene.
Dimensions	1.5"H x 4.5"D.
Color	Office white.
Mounting Height	8 to 12 feet.

Physical	Wall Mount Sensors
Housing	Flame retardant UL 94 V-0 ABS.
Lens	Polyethylene.
Dimensions	6"H x 2"W x 1.5"D.
Color	Office white.
Mounting Height	8 to 12 feet, 8 to 30 feet (ATP120HB series).

Environmental	
Operating	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% noncondensing relative humidity.
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 95% non-condensing relative humidity.

Controls	
Time Delay	Test (8 seconds), adaptive 8 to 40 minutes.
Ambient Light	1 to 1000 foot candles.
(sensors with RP suffix)	Terminals available.
Sensitivity	Adaptive 0 to 100%.

Sensing Indicators	
Ultrasonic (ATD and ATU Series)	Green LED.
Passive Infrared (ATD and ATP Series)	Red LED.

H-MOSS® Occupancy Sensors
Specifications
Control Units and Add-A-Relay

CU Series Control Units
CU120A, CU230A, CU277A, CU300A, CU347A

Electrical	CU120A	CU230A	CU277A	CU300A	CU347A
Power Supply	120V AC, 60 Hz.	230V AC, 50/60 Hz.	277V AC, 60 Hz.	120/277V AC, 50/60 Hz.	347V AC, 60 Hz.
Power Output	24V DC, 100mA.	24V DC, 100mA.	24V DC, 100mA.	24V DC, 150mA.	24V DC, 100mA.
Load Capacity					
Incandescent	0 to 1800 watts.	NA	NA	0 to 1800 watts.	NA
120V Ballast	0 to 2400 watts.	NA	NA	0 to 2400 watts.	NA
230V Ballast	NA	0 to 3680 watts.	NA	NA	NA
277V Ballast	NA	NA	0 to 5540 watts.	0 to 5540 watts.	NA
347V Ballast	NA	NA	NA	NA	0 to 5205 watts.
AT Sensor/AAR Capacity	1 to 3 combined.	1 to 3 combined.	1 to 3 combined.	1 to 4 combined.	1 to 3 combined.
Agency Approvals	UL Listed, cUL Certified.	UL Listed, cUL Certified.	UL Listed, cUL Certified.	UL Listed, cUL Certified.	UL Listed, cUL Certified.

Physical	All CU Series Control Units
Housing	Flame retardant UL 94-5V thermoplastic.
Dimensions	3.69"L x 2.33"W x 1.36"H.
Color	Black.

Environmental	
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% noncondensing relative humidity.
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% noncondensing relative humidity.

Add-A-Relay
AAR

Electrical	
Power Input	24V DC nominal, 33mA from Hubbell CU series control unit.
Load Capacity	
Incandescent	0 to 1800 watts.
120V Ballast	0 to 2400 watts.
230V Ballast	0 to 3680 watts.
277V Ballast	0 to 5540 watts.
347V Ballast	0 to 5205 watts.
Agency Approvals	UL Listed.

Physical	
Housing	Flame retardant UL 94-5V thermoplastic.
Dimensions	3.69"L x 2.33"W x 1.36"H.
Color	Black.

Environmental	
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% noncondensing relative humidity.
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% noncondensing relative humidity.

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H-MOSS® Occupancy Sensors
Wiring Schematics
Ceiling and Wall Mount Sensors

Adaptive Dual Technology, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors
ATD, ATU and ATP Series Ceiling and Wall Mount Sensors

Single Circuit Application:
1 to 3 sensors wired to control unit with optional override off switch.

* Optional Override Off Switch

Two Circuit Application:
1 to 2 sensors wired to control unit and Add-A-Relay (control unit switches circuit 1, Add-A-Relay switches circuit 2).

Single Circuit Application:
Two control units wired in parallel to operate 4 to 6 sensors in a single zone. Maximum 3 sensors per control unit any sensor will activate lighting.

Two Circuit Application:
Two control units wired in two circuits to operate 3 to 6 sensors in a single zone. Maximum 3 sensors per control unit any sensor will activate both lighting loads.

Note: For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Grey sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.

H-MOSS® Occupancy Sensors
Wiring Schematics
Ceiling and Wall Mount Sensors

Adaptive Technology Dual, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors
ATD, ATU and ATP Series Ceiling and Wall Mount Sensors

Single Circuit, Dual Level Switching Application:
1 to 3 sensors wired to control unit with optional override off switches.

ATD, ATU and ATP Series Sensors**

Single Circuit, 3-Way Switching Application:
1 to 3 sensors wired to control unit with optional override off switches.

ATD, ATU and ATP Series Sensors**

Multi-Circuit Application:
1 to 3 sensors wired to control unit that is wired to a multi-pole lighting contactor.

Multipole, Normally Open Lighting contactor to be supplied by Contractor

ATD, ATU, ATP, PIR Series Sensors**

Single Circuit, 4-Way Switching Application:
1 to 3 sensors wired to control unit with optional override off switches.

ATD, ATU and ATP Series Sensors**

Note: *For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.*

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com

Section E
Pin and Sleeve Devices
Mechanical Interlocks

HBL® Watertight
IEC Pin & Sleeve

Insulgrip® NEMA 4X
UL 1686 C1 Pin & Sleeve

Circuit-Lock® Unfused and
Fused Mechanical Interlocks

Back Boxes & Accessories

Pin and Sleeve Devices

Index

IEC Pin and Sleeve
Watertight Devices
Features and Benefits

IP67 SUITABILITY · RoHS

Liquidtight Conduit Adapters
Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector.

Self-Closing Gasketed Cover
Detents into position to fully close automatically. Corrosion-resistant hardware.

Watertight Neoprene Sealing Glands
Provide a reliable seal at the cable entry point. Prevents infiltration of contaminants.

Color Coded Housings
IEC pin and sleeve devices are color coded by voltage for easy identification.

Insulated Non-Metallic Housing
Super tough, non-conductive and chemical resistant for heavy duty industrial environments.

Powerful Mechanical Cord Grip
Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations. Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention.

Watertight Cord Entrance
The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord. Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance.

Multi-Contact Spring (60/63 & 100/125 Amp)
Recessed within the female sleeve, provides and maintains high unit pressure on mating pins to minimize temperature rise. Broaches oxide film to achieve low resistance contact for cooler operation.

Sequential Contact Engagement
Ground makes first and breaks last. Neutral makes second and breaks second (to prevent a momentary over-voltage on components connected phase to neutral). Phase contacts make last and break first.

IEC Pin and Sleeve
Watertight Devices
Features and Benefits

Gasketed Sealing Ring
Provides watertight seal when mated with receptacle or connector.

Heavy Duty External Cord Grips
Provide maximum cord retention to maintain secure terminations.

Solid One-Piece Pins
Machined from solid brass for longer life and reliable electrical contact.

Contact Collar
Raised collar surrounds each phase pin increasing the tracking resistance between contacts across the contact carrier face.

Lockout/Tagout
Tappered opening on plug shroud accommodates up to ⅜ inch (9.7mm) lock shackle diameter.

Rugged One-Piece Housing
Thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants. Amperage/voltage rating and catalog number molded in housing for easy identification.

Shrouded Pins
Super tough plug shroud protects pins from deforming from physical abuse. Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts.

Large Box Terminals
Designed for North American conductors. Machined to accept next larger conductor size for derating situations. Large hex-head stainless steel screws (60/100A)*provide higher torque levels and prevent movement of conductor strands for secure terminations.

Thermoset Polyester Contact Carrier
Molded thermoset polyester provides high resistance to electrical tracking. Withstands higher temperatures which may result from overload or arcing. Thermoset properties provide dimensional stability for this critical assembly.

* 16/20 & 30/32 Amp devices feature patented swiveling pressure pad terminal screws to keep conductors secure and prevent damage to conductor strands.

Dimensions in Inches (mm)

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HUBBELL Wiring Device-Kellems

E-3

IEC Pin and Sleeve
Watertight Devices Ordering Information
20 and 30 Ampere – North American Ratings
16 and 32 Ampere – International Ratings

Rating					Watertight Devices				Accessories – Back Boxes		Closure Caps	Replacement Interior Kits	
Amps	Poles and Wires	Configuration Recep./Conn.	Plug/Inlet	Voltage	Receptacle	Plug	Connector	Inlet	Non-Metallic	Metallic	Closure Caps	Conn. Recep.	Plugs Inlets
16	2P 3W			100–130	HBL316R4W	HBL316P4W	HBL316C4W	HBL316B4W†	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	2P 3W			220–240	HBL316R6W	HBL316P6W	HBL316C6W	HBL316B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	3P 4W			380–415	HBL416R6W	HBL416P6W	HBL416C6W	HBL416B6W†	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	4P 5W			220/380 240/415	HBL516R6W	HBL516P6W	HBL516C6W	HBL516B6W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	2P 3W			125	HBL320R4W*	HBL320P4W	HBL320C4W	HBL320B4W	BB2030N	BB201W BB301W	PC320	IN320AF	IN320AM
	2P 3W			250	HBL320R6W	HBL320P6W	HBL320C6W	HBL320B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	2P 3W			480	HBL320R7W	HBL320P7W	HBL320C7W	HBL320B7W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	3P 4W			125/250	HBL420R12W	HBL420P12W	HBL420C12W	HBL420B12W	BB2030N	BB201W BB301W	PC420	IN420CF	IN420CM
	3P 4W			3Ø 250	HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	3P 4W			3Ø 480	HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	3P 4W			3Ø 600	HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	4P 5W			3Ø Y 120/208	HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
	4P 5W			3Ø Y 277/480	HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
	4P 5W			3Ø Y 347/600	HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
30	2P 3W			125	HBL330R4W	HBL330P4W	HBL330C4W	HBL330B4W	BB2030N	BB201W BB301W	PC3430	IN330AF	IN330AM
	2P 3W			250	HBL330R6W	HBL330P6W	HBL330C6W	HBL330B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	2P 3W			480	HBL330R7W	HBL330P7W	HBL330C7W	HBL330B7W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	3P 4W			125/250	HBL430R12W	HBL430P12W	HBL430C12W	HBL430B12W	BB2030N	BB201W BB301W	PC3430	IN430CF	IN430CM
	3P 4W			3Ø 250	HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W			3Ø 480	HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W			3Ø 600	HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	4P 5W			3Ø Y 120/208	HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
	4P 5W			3Ø Y 277/480	HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
	4P 5W			3Ø Y 347/600	HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
32	2P 3W			100–130	HBL332R4W†	HBL332P4W†	HBL332C4W†	HBL332B4W†	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	2P 3W			220–240	HBL332R6W	HBL332P6W	HBL332C6W	HBL332B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	3P 4W			380–415	HBL432R6W	HBL432P6W	HBL432C6W	HBL432B6W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W			380V 50Hz 440V 60Hz	HBL432R3W	HBL432P3W	HBL432C3W	–	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	4P 5W			220/380 240/415	HBL532R6W	HBL532P6W	HBL532C6W	HBL532B6W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM

Notes: See page E-6, E-7 for accessories. See page E-8, E-9 for product dimensions. See page E-10, E-11 for product specifications.
Closure caps purchased separately, see page E-7.
*For special mounting use HBL320R4WMIL, consult factory.
†Consult factory.
PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.

HUBBELL ® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

IEC Pin and Sleeve
Watertight Devices Ordering Information
60 and 100 Ampere – North American Ratings
63 and 125 Ampere – International Ratings

Amps	Poles and Wires	Config Recep./Conn.	Config Plug/Inlet	Voltage	Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Back Boxes Metallic	Closure Caps	Conn. Recep.	Plugs Inlets
60	2P 3W			125	HBL360R4W	HBL360P4W	HBL360C4W	HBL360B4W	BB60N	BB601W BB602W	PC60	IN360AF	IN360AM
	2P 3W			250	HBL360R6W	HBL360P6W	HBL360C6W	HBL360B6W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
	2P 3W			480	HBL360R7W	HBL360P7W	HBL360C7W	HBL360B7W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
	3P 4W			125/250	HBL460R12W	HBL460P12W	HBL460C12W	HBL460B12W	BB60N	BB601W BB602W	PC60	IN460CF	IN460CM
	3P 4W			3Ø 250	HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	3P 4W			3Ø 480	HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	3P 4W			3Ø 600	HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	4P 5W			3Ø Y 120/208	HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
	4P 5W			3Ø Y 277/480	HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
	4P 5W			3Ø Y 347/600	HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
63	2P 3W			220–240	HBL363R6W	HBL363P6W	HBL363C6W	HBL363B6W	BB60N	BB601W BB602W	PC60	IN360BFS	IN360BMS†
	3P 4W			380–415	HBL463R6W	HBL463P6W	HBL463C6W	HBL463B6W	BB60N	BB601W BB602W	PC60	IN460DFS	IN460DMS
	4P 5W			220/380 240/415	HBL563R6W	HBL563P6W	HBL563C6W	HBL563B6W	BB60N	BB601W BB602W	PC60	IN560EFS†	IN560EMS
100	2P 3W			125	HBL3100R4W	HBL3100P4W	HBL3100C4W	HBL3100B4W	BB100N	BB1001W BB1002W	PC100	IN3100AF	IN3100AM
	2P 3W			250	HBL3100R6W	HBL3100P6W	HBL3100C6W	HBL3100B6W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
	2P 3W			480	HBL3100R7W	HBL3100P7W	HBL3100C7W	HBL3100B7W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
	3P 4W			125/250	HBL4100R12W	HBL4100P12W	HBL4100C12W	HBL4100B12W	BB100N	BB1001W BB1002W	PC100	IN4100CF†	IN4100CM
	3P 4W			3Ø 250	HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	3P 4W			3Ø 480	HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	3P 4W			3Ø 600	HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	4P 5W			3Ø Y 120/208	HBL5100R9W	HBL5100P9W*	HBL5100C9W	HBL5100B9W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
	4P 5W			3Ø Y 277/480	HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
	4P 5W			3Ø Y 347/600	HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
125	2P 3W			220–240	HBL3125R6W	HBL3125P6W	HBL3125C6W	HBL3125B6W	BB100N	BB1001W BB1002W	PC100	IN3100BFS†	IN3100BMS†
	3P 4W			380–415	HBL4125R6W	HBL4125P6W	HBL4125C6W	HBL4125B6W	BB100N	BB1001W BB1002W	PC100	IN4100DFS	IN4100DMS
	4P 5W			220/380 240/415	HBL5125R6W	HBL5125P6W	HBL5125C6W	HBL5125B6W	BB100N	BB1001W BB1002W	PC100	IN5100EFS	IN5100EMS

Notes: All 63A and all 125A devices have pilot pins or contacts.
See page E-6, E-7 for accessories. See page E-8, E-9 for product dimensions. See page E-10, E-11 for product specification.
Closure caps purchased separately, see page E-7.
*Short housing plug HBL5100P9WSH, IP22 suitability - length (8.30").
† Consult factory.
PC60 and PC100 are not UL or CSA.

IEC Pin and Sleeve
Watertight Device Accessories

BB60N

BB601W

FT202W

FW60100

HBL2030AP

AA2030PS

Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

Non-Metallic 15º Angle Back Box

Description	N.P.T. Hub Size[+]	Catalog Number
Back box for 16, 20, 30 and 32A devices.	1"	**BB2030N**
Back box for 60 and 63A devices.	1¼"	**BB60N**
Back box for 100 and 125A devices.	1½"	**BB100N**

Notes: [+]Hub is not included; order one of the following Raco® part numbers: 1 in. = 1704, 1¼ in. = 1705, 1½ in. = 1706.
These boxes meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

Metallic 15º Angle Back Box

Description	N.P.T. Hub Size	Catalog Number
Back box for 16, 20, 30 and 32A devices.	¾"	**BB201W**
	1"	**BB301W**
Back box for 60 and 63A devices.	1¼"	**BB601W**
	1½"	**BB602W**
Back box for 100 and 125A devices.	1½"	**BB1001W**
	2"	**BB1002W**

Metallic Feed-Thru Back Box

Description	N.P.T. Hub Size	Catalog Number
Feed-thru box for 16, 20, 30 and	¾"	**FT202W**
32A devices.	1"	**FT302W**

Metallic Four-Way 15º Angle Back Box

Description	N.P.T. Hub Size	Catalog Number
Four-way box for 60, 63, 100 and 125A devices.	1½"	**FW60100**

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.

Straight Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to 2-gang, device mount, FD boxes.	**HBL2030AP**

Angle Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to standard wall boxes.	**AA2030PS**

Note: Adapts 20 and 30A Watertight Pin and Sleeve receptacle to single, 2-gang standard wall box and 4 or 4¹¹⁄₁₆ inch square for non-watertight applications.

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

IEC Pin and Sleeve
Watertight Device Accessories

Closure Caps

Cap assemblies provide watertight sealing to a disconnected male IEC Pin and Sleeve plug or inlet. Manufactured of the same tough non-metallic material as the watertight IEC Pin and Sleeve devices for corrosion and abuse resistance.

Description	Catalog Number
Fits all 16A & 20A 3 wire plugs and inlets.	PC320
Fits all 16A & 20A 4 wire plugs and inlets.	PC420
Fits all 16A & 20A 5 wire plugs and inlets.	PC520
Fits all 30A & 32A 3 and 4 wire plugs and inlets.	PC3430
Fits all 30A & 32A 5 wire plugs and inlets.	PC530
Fits all 60A & 63A plugs and inlets.	PC60
Fits all 100A & 125A plugs and inlets.	PC100

PC3430

Cover Assemblies

Replacement cover assemblies for use with watertight connector bodies and receptacles. Kit contains cover, arm assembly and installation tool.

Description	Catalog Number
Fits all 16A & 20A 3 wire watertight female devices.	CA320
Fits all 16A & 20A 4 wire watertight female devices.	CA420
Fits all 16A & 20A 5 wire watertight female devices.	CA520
Fits all 30A & 32A 3 and 4 wire watertight female devices.	CA3430
Fits all 30A & 32A 5 wire watertight female devices.	CA530
Fits all 60A & 63A watertight female devices.	CA60
Fits all 100A & 125A watertight female devices.	CA100

CA3430

Cord Clamp and Locking Ring

Replacement cord clamp and locking ring for use with IEC plugs, connectors and inlets.

Description	Cord Clamp Catalog Number	Locking Ring Catalog Number
Fits all 16A & 20A 3 wire plugs, connectors and inlets.	CC320	LR320*
Fits all 16A & 20A 4 wire plugs, connectors and inlets.	CC420	LR420*
Fits all 16A & 20A 5 wire plugs, connectors and inlets.	CC520†	LR520*
Fits all 30A & 32A 3 and 4 wire plugs, connectors and inlets.	CC3430	LR3430*
Fits all 30A & 32A 5 wire plugs, connectors and inlets.	CC530†	LR530*
Fits all 60A & 63A plugs, connectors and inlets.	CC60	LR60*
Fits all 100A & 125A plugs, connectors and inlets.	CC100	LR100*

*Locking Ring only.
†Consult factory.

CC3430

LR3430

Liquidtight Adapters

Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of a Hubbell Pin and Sleeve plug or connector. To install, remove cord grip and two gland cap screws. Use screws to attach adapter. Kellems® liquidtight conduit connectors are available to control arc of bend and to prevent conduit pull-out where vibration, motion or strain is present. These grips interface directly with Hubbell's liquidtight adapters and are available in a wide variety of N.P.T. sizes and configurations. Consult your local code grounding requirements before using liquidtight adapters.

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter Catalog Number	Optional Kellems Liquidtight Conduit Grip Catalog Number
16 & 20 Amp	½" N.P.T.	SAA12	074093402
3 & 4 Wire	¾" N.P.T.	SAA34	074093403
16 & 20 Amp 5 Wire	½" N.P.T.	SAB12	074093402
and 30 & 32 Amp	¾" N.P.T.	SAB34	074093403
3 & 4 Wire	1" N.P.T.	SAB100	074093404
30 & 32 Amp 5 Wire	¾" N.P.T.	SAC34	074093403
30 & 32 Amp 5 Wire	1" N.P.T.	SAC100	074093404
and 60 & 63 Amp (all)	1¼" N.P.T.	SAC125	074093405
100 & 125 Amp (all)	1¼" N.P.T.	SAD125	074093405
	1½" N.P.T.	SAD150	074093406

SAB34

074093403

IEC Pin and Sleeve
Watertight Device Dimensions

Plug

Short Housing Plug

Connector Body

Inlet

7/32" (5.5) Dia. (4 Holes)

Receptacle

7/32" (5.5) Dia. (4 Holes)

Plug Dimensions

Type	A	B	Cord Grip Range
HBL320P	6.61" (167.8)	2.87" (73.0)	.330"-.830" (8.4-21.1)
HBL420P	7.00" (177.8)	3.19" (81.0)	.375"-1.250" (9.5-31.8)
HBL520P	7.65" (194.3)	3.50" (89.0)	.375"-1.250" (9.5-31.8)
HBL330P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL430P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530P	8.54" (216.9)	4.02" (102.0)	.500"-1.450" (12.7-36.8)
HBL360P, HBL460P, HBL560P	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL3100P, HBL4100P, HBL5100P	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Short Housing Plug Dimensions

Type	A	B	Cord Grip Range
HBL5100P9WSH	8.30" (210.82)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Connector Body Dimensions

Type	A	B	Cord Grip Range
HBL320C	7.49" (190.3)	3.33" (84.6)	.330"-.830" (8.4-21.1)
HBL420C	7.90" (200.6)	3.66" (93.0)	.375"-1.250" (9.5-31.8)
HBL520C	8.54" (216.9)	3.94" (100.0)	.375"-1.250" (9.5-31.8)
HBL330C	9.05" (229.9)	4.27" (108.5)	.375"-1.250" (9.5-31.8)
HBL430C	9.05" (229.9)	4.27" (108.5)	.375"-1.250" (9.5-31.8)
HBL530C	9.68" (245.8)	4.70" (119.5)	.500"-1.450" (12.7-36.8)
HBL360C, HBL460C, HBL560C	11.15" (283.2)	5.10" (129.5)	.500"-1.450" (12.7-36.8)
HBL3100C, HBL4100C, HBL5100C	13.57" (344.7)	5.71" (145)	1.065"-1.940" (27.1-49.3)

Inlet Dimensions

Type	A	B	C	D	E	F
HBL320B	2.54" (64.5)	1.85" (47.0)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420B	2.54" (64.5)	2.11" (53.6)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520B	2.54" (64.5)	2.41" (61.2)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530B	2.99" (76.0)	2.75" (69.9)	1.04" (26.5)	2.80" (71.0)	3.75" (95.3)	3.13" (79.5)
HBL360B, HBL460B, HBL560B	4.04" (102.6)	2.97" (75.5)	1.18" (30.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.5)
HBL3100B, HBL4100B, HBL5100B	4.53" (115)	3.44" (87.5)	1.95" (49.5)	3.94" (100.0)	5.50" (139.7)	4.88" (124.0)

Receptacle Dimensions

Type	A	B	C	D	E	F
HBL320R	3.33" (84.5)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420R	3.66" (93.0)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520R	3.94" (100.0)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330R	4.27" (108.5)	3.09" (78.5)	1.16" (29.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430R	4.27" (108.5)	3.09" (78.5)	1.16" (29.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530R	4.70" (119.4)	3.09" (78.5)	1.16" (29.5)	2.83" (71.9)	3.75" (95.3)	3.13" (79.5)
HBL360R, HBL460R, HBL560R	5.10" (129.5)	4.07" (103.4)	1.69" (43.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.6)
HBL3100R, HBL4100R, HBL5100R	5.71" (145)	4.23" (107.4)	2.46" (62.5)	3.95" (100.3)	5.50" (139.7)	4.88" (123.9)

Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

IEC Pin and Sleeve
Watertight Device Dimensions

Non-Metallic 15º Angle Back Box

Description	N.P.T. Hub Size+	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	1.0"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	BB2030N
Back box for 60 & 63A devices.	1¼"	7.76" (197.0)	5.16" (131.0)	5.87" (149.0)	4.72" (120.0)	2.99" (76.0)	6.94" (176.0)	70.00"	BB60N
Back box for 100 & 125A devices.	1½"	8.21" (209.0)	6.23" (158.0)	6.31" (160.3)	5.71" (145.0)	3.99" (101.0)	7.41" (188.0)	120.00"	BB100N

Notes: +Hub is not included; order one of the following Raco® part numbers: 1.0 inch = 1704.
1¼ inch = 1705, ½ inch = 1706.
These boxes meet IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

Non-Metallic Angle Box

Metallic 15º Angle Back Box

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	¾"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB201W
Back box for 16, 20, 30 & 32A devices.	1"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB301W
Back box for 60 & 63A devices.	1¼"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	BB601W
Back box for 60 & 63A devices.	1½"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	BB602W
Back box for 100 &125A devices.	1½"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	BB1001W
Back box for 100 & 125A devices.	2"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	BB1002W

Metallic Angle Box

Metallic Feed-Thru Back Box

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box for 16, 20, 30 & 32A devices.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT202W
Feed-thru box for 16, 20, 30 & 32A devices.	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT302W

Metallic Feed-Thru Box

Metallic Four-Way 15º Angle Back Box

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Four-way box for 60, 63, 100 & 125A devices.	1½"	8.75" (222.3)	9.75" (247.7)	7.75" (196.9)	6.75" (171.5)	6.00" (152.4)	–	210.00"	FW60100

Notes: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.
These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.

Metallic Four-Way Angle Box

Dimensions in Inches (mm)   www.hubbell-wiring.com   **HUBBELL** **Wiring Device-Kellems**   E-9

IEC Pin and Sleeve
Watertight Listings and Specifications
IEC Pin and Sleeve Inlet, Connector Body, Plug and Receptacle

Listed to standard UL1682/ CSA C22.2 No. 182.1-02, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.

UL Classified to IEC Standards 60309-1 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for Series I (European) rated voltages and services.

When used with cord, these devices require no further investigation by UL for equipment Classification to IEC 435 or IEC 380.

Watertight Materials

Part	Material
Inlet	
Housing	Zytel® 101 Nylon
Locking Ring	Rynite® SST35
Mounting Flange	Zytel® 101 Nylon
Mounting Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Ground, Phase Pins	Brass
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws (2)	Stainless Steel (300 Series)
Gaskets	Solid Neoprene
Connector Body	
Housings	Zytel® ST801 Nylon
Cord Clamps	Rynite® SST35
Glands	Solid Neoprene
Cover Arms	Rynite® SST35
Arm Springs	Stainless Steel (17-7 type)
Covers	Rynite® SST35
Cover Screw	Nickel-plated brass
Rotating Sealing Disc	Polycarbonate
Gaskets	Solid Neoprene
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)
Plug	
Housing	Zytel® ST801 Nylon
Locking Ring	Rynite® SST35
Sealing Gasket	Solid Neoprene
Cord Clamp	Rynite® SST35
Gland Cap	Rynite® SST35
Gland	Solid Neoprene
Cord Clamp Screws	Stainless Steel (300 Series)
Clamp Nut	Nickel-Plated Brass
Gland Clamp Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Ground, Phase Pins	Brass
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)
Receptacle	
Housings	Zytel® 101 Nylon
Mounting Flange	Zytel® 101 Nylon
Arm Spring	Stainless Steel (17-7 type)
Cover Arm	Rynite® SST35
Cover	Rynite® SST35
Cover Screw	Nickel-plated brass
Rotating Sealing Disc	Polycarbonate
Gaskets	Solid Neoprene
Mounting Screws	Stainless Steel (300 Series)
Terminal Screws	Stainless Steel (300 Series)
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating

Specifications

Typical Specification

Manufacturer's Identification	Hubbell HBL520P9W.
Description	Plug, Power Supply.
Type	3 Pole + Neutral + Earth.
Rating	20A, 120/208V AC, 3 Phase WYE.
Configuration	UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight.
Certification	UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA Standard C22.2 No. 182.1, UL Classified to IEC 60309-1 IEC 60309-2.

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IEC Pin and Sleeve
Watertight Specifications

Performance

Electrical

Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1 for devices rated over 500V).
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	5,000 connect and disconnect cycles with load for 16A and 20A, 1,000 cycles with load and 1,000 cycles without load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles without load for 100A and 125A.

Mechanical

Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American and IEC conventions.
Product Identification	Identification and ratings are a permanent part of the device housing.

Environmental

Moisture Resistance	Watertight per IEC 60309-1.
Ingress Protection	IP67 Suitability.
Flammability	HB or better per UL 94 or CSA C22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75° C; Minimum - 40°C without impact.

Materials

Housings	Nylon.
All Other Materials	Resistant to corrosion and chemical attack.

Note: Specification sheets for all other Pin and Sleeve catalog numbers are available upon request.

Horsepower Ratings for IEC Pin and Sleeve

Catalog Number				AC Voltage Rating	HP Rating
HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	3Ø250	2
HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	3Ø480	5
HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	3Ø600	7½
HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	3ØY 120/208	½
HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	3ØY 277/480	5
HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	3ØY 347/600	7½
HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	3Ø250	3
HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	3Ø480	7½
HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	3Ø600	10
HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	3ØY 120/208	2
HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	3ØY 277/480	7½
HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	3ØY 347/600	10
HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	3Ø250	5
HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	3Ø480	10
HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	3Ø600	15
HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	3ØY 120/208	3
HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	3ØY 277/480	10
HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	3ØY 347/600	15
HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	3Ø250	10
HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	3Ø480	30
HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	3Ø600	30
HBL5100R9W	HBL5100P9W	HBL5100C9W	HBL5100B9W	3ØY 120/208	10
HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	3ØY 277/480	30
HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	3ØY 347/600	30

IEC Pin and Sleeve
IEC Configurations Chart

Singly Rated Configurations

Every non-metallic Hubbell Pin and Sleeve product is designed and manufactured to meet the International Standard IEC 60309-1 and IEC 60309-2. This device standard calls out a singly rated, non-interchangeable configuration for every voltage and type of service throughout the world. Pin and sleeve device housings are color coded by voltage rating.

Voltage

The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain "clock" position, the device will be rated for a particular voltage system. The diagram shows the keying position and the color coding that is associated with each voltage.

Rated Voltage	Color
100V - 130V	YELLOW
125V/250V	ORANGE
200V - 250V	BLUE
277V	GRAY
380V - 480V	RED
500V - 690V	BLACK

440-460V (60Hz)
125/250V AC
4 Pole 5 Wire Grounding
3 Pole 4 Wire Grounding
2 Pole 3 Wire Grounding
3Ø Y 120/208V
3Ø 250V
380-415V
250V DC
250V AC
380V 50Hz 440V 60Hz
480V AC
250V AC
277V AC
125V AC
3Ø 480V AC
380-415V AC
3Ø 600V AC
3Ø Y 277/480V
200/346V AC 240/415V AC
3Ø Y 347/600V

Typical IEC Pin and Sleeve Catalog Number

HBL4100C12W

HBL 4 100 C 12 W

- Hubbell Catalog Number
- 4 Wire
- 100 Amp
- "C" Connector
- Female Ground Sleeve at "12" O'Clock (125/250V)
- Watertight

Explanation

1 (HBL) Designates Hubbell Catalog Number	2 First Digit	3 Next Series Of Digits	4 Letter	5 Last Digit(s)	6 Letter: W
	3-3 wire 4-4 wire 5-5 wire	Preceding a letter 20-20 Amp 30-30 Amp 60-60 Amp 100-100 Amp	P-Plug R-Receptacle C-Connector B-Inlet MI-Mechanical Interlock MIF-Mechanical Interlock Fused	After the letter. This denotes the position of the ground sleeve and the assigned voltage in the receptacle as it relates to the hours of the clock. This is done to eliminate interchangeability between devices with different voltages.	Watertight

IEC Pin and Sleeve
20 and 30A Low Profile
Features and Benefits

RoHS

Split Sleeves
Split sleeves with self-adjusting stainless steel springs assure constant contact pressure (20A & 30A). On 60A devices, Beryllium Copper insert with multiple contact points assures easy insertion and a tight fit.

Brass Box Terminal
Permits high clamping pressure on conductors without damaging wire strands for best electrical conductivity.

Nylon Construction
Both interior and exterior are made of tough, durable nylon.

Stainless Steel Terminal Screws
Resist rust and corrosion.

Solid One-Piece Pins
Solid construction. Long life, reliable electrical contact and maximum conductivity.

Terminal Identification
Large markings for easy recognition results in ease of wiring on the assembly line or in the field.

Color Coding
Quick, easy visual identification of mating devices.

Shrouding
Recessed pins are protected from impact and abuse.

Product Identification
Ratings and certification are molded into the nylon housing. Benefit: Easy identification for reorder.

Integrated Cord Grip
Limits strain on terminals, keeps cord connected.

IEC Pin and Sleeve
Low Profile Order Information and Specifications
20A, 30A, 60A North American Rating

Low Profile Devices

Amps	Poles and Wires	Configuration Recep./Conn.	Plug/Inlet	Voltage	Plug	Receptacle	Cord Dia. Min. Max.
20	3P 4W			3Ø250	L420P9	L420R9	.350"-.710" (8.3-15.9)
30	3P 4W			125/250	L430P12	L430R12	.390"-.775" (9.9-19.7)
30	3P 4W			3Ø250	L430P9	L430R9	.390" -.775" (9.9-19.7)

Amps	Poles and Wires	Configuration Recep./Conn.	Plug/Inlet	Voltage	Plug	Receptacle	Cord Dia. Min. Max.
60	3P 4W			3Ø250	A460P9	A460R9	.75"-1.25" (19.1- 31.8)

Amps	Poles and Wires	Configuration Recep./Conn.	Plug/Inlet	Voltage	Plug	Receptacle	Cord Dia. Min. Max.
60	4P 5W			3ØY 120/208	A560P9	HBL560R9W	.89"-1.42" (22.6- 36.1)
100	4P 5W			3ØY 120/208	A5100P9	HBL5100R9W	1.34"-1.50" (34.0- 38.1)

Specifications

Electrical

Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	250V RMS.
Current Interrupting	Certified for current interruption at full rated current.
Temperature Rise	Max. 30 C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	Up to 5,000 connect and disconnect cycles at full rated current and voltage.

Mechanical

Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49 and the <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American convention.
Product Identification	Ratings are a permanent part of the device housing.

Environmental

Flammability	HB or better per UL 94 or CSA C22.2 No. 0.17.
Ingress Protection	IP22 Suitability
Operating Temperatures	Maximum Continuous 75° C; Minimum - 40°C without impact.

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Application Guide

Agriculture	Indoor location and maintenance.
Chemical Processing	Indoor location and maintenance.
Construction	Indoors for added safety and abuse resistance.
Entertainment	Indoor location and maintenance.
Food Service	Food service areas where aesthetics and space are concerns.
Light Manufacturing	Indoor locations and maintenance.
Manufacturing	Light assembly areas, stamping operations, and maintenance areas.
Military	Warehouse and maintenance areas.

Materials

Part	Materials
Plug	
Case	Zytel® 101 Nylon
Shroud	Zytel® 101 Nylon
Pin Carrier 20 & 30A	Zytel® 101 Nylon
Pin and Carrier 60A	High-Impact Thermoset
Pins	Brass CDA#360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)
Receptacle	
Body	Zytel® 101 Nylon
Sleeve Carrier 20 & 30A	Zytel® 101 Nylon
Sleeve Carrier 60A	High-Impact Thermoset
Sleeves	Brass CDA #360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)
Adapter Plate 20 & 30A	Galvanized Steel
Adapter Plate 60A	Aluminum
Wall Trim Plate	Zytel® 101 Nylon
Panel Mount Trim Plate	Stainless Steel (300 series)

Note: See page E-15 for product dimensions.

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

IEC Pin and Sleeve
Low Profile Dimensions

Plug Dimensions

Type	A	B	C	D	Cord Range Dia.
L420P9	2.47" (62.7)	3.78" (96.0)	2.93" (74.4)	1.49" (37.8)	.350"-.710" (8.9-18.0)
L430P12	2.97" (75.4)	4.18" (106.2)	3.50" (88.9)	1.71" (43.4)	.390"-.775" (9.9-19.7)
A460P9	3.38" (85.9)	4.25" (108.0)	7.00" (177.8)	–	.75"-1.25" (19.1-31.8)
A5100P9	4.92" (125.00)	5.07" (128.81)	8.60" (218.35)	–	1.34"-1.50" (34.0-38.1)

Plugs

Angled Plugs

20 & 30A   60A   100A

Wall Mount Receptacle Dimensions

Type	A	B	C	D	E	F
L420R9	2.60" (66.0)	2.81" (71.4)	2.28" (57.9)	2.38" (60.5)	–	–
L430R12	3.12" (79.2)	3.12" (79.2)	2.77" (70.4)	2.76" (70.1)	–	–
A460R9	4.50" (114.3)	4.50" (114.3)	4.48" (113.8)	–	3.62" (91.9)	.50" (12.7)

Wall Mount Receptacles

20 & 30A   60A

Adapter Plate (Included with "L" and "A" series receptacles)

20A
Mounting
2-gang box

30A
Mounting
2-gang box

60A
Mounting
2-gang box
and 4¹¹⁄₁₆" box

Panel Cutout

20A

2.13" (54.1)
2.13" (54.1)
2.62" (66.5) dia.

30A

2.55" (64.8)
2.55" (64.8)
2.83" (71.9) dia.

IEC Pin and Sleeve
Unfused Circuit-Lock® Pin and Sleeve Mechanical Interlocks
Features and Benefits

Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping.

Color coded rating pad and receptacle mount to signify voltage.

Lockable handle to meet OSHA Lockout/Tagout regulations.

Two-stage interlocking mechanism to help defeat tampering.

Watertight conduit hub and grounding plate for use on metallic conduit (IP67 suitability).

Pre-wired IEC Pin and Sleeve receptacle.

Spring-loaded liftcover with gasket for a watertight seal.

Captured neoprene gasket for a watertight seal.

Horsepower rated disconnect switch handles large motor loads.

Adjustable mounting feet are ductile to allow mounting on irregular surfaces.

DIN rail mounted switch for easy installation and replacement.

Enclosure housing with brass inserts and stainless steel screws for higher torque and better sealing.

Three molded-in conduit drill points are located on top, bottom and back surface of enclosure.

Hubbell Circuit-Lock® Mechanical Interlocks

The National Electrical Code (NEC) requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's revolutionary Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection.

The switch cannot be turned ON until the plug is inserted properly, and the plug cannot be removed until the switch is turned OFF. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs.

The use of these interlocks can upgrade your facility to a complete Pin and Sleeve system. All Circuit-

Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

IEC Pin and Sleeve
Unfused Circuit-Lock® Ordering Information
20, 30, 60 and 100 Ampere – North American Ratings
32 Ampere – International Rating

IP67 SUITABILITY

Amps	Poles & Wires	Configuration Recep./Conn.	Plug/Inlet	Voltage	Mechanical Interlock	Mating Plug
20	3P 4W			120/240	HBL420MI12W	HBL420P12W
	3P 4W			3Ø 240	HBL420MI9W	HBL420P9W
	3P 4W			3Ø 480	HBL420MI7W	HBL420P7W
	3P 4W			3Ø 600	HBL420MI5W	HBL420P5W
30	2P 3W			120	HBL330MI4W	HBL330P4W
	2P 3W			240	HBL330MI6W	HBL330P6W
	2P 3W			480	HBL330MI7W	HBL330P7W
	3P 4W			120/240	HBL430MI12W	HBL430P12W
	3P 4W			3Ø 240	HBL430MI9W	HBL430P9W
	3P 4W			3Ø 480	HBL430MI7W	HBL430P7W
	3P 4W			3Ø 600	HBL430MI5W	HBL430P5W
	4P 5W			3Ø Y 120/208	HBL530MI9W	HBL530P9W
	4P 5W			3Ø Y 277/480	HBL530MI7W	HBL530P7W
	4P 5W			3Ø Y 347/600	HBL530MI5W	HBL530P5W
32	3P 4W			380 50HZ-440 60Hz	HBL432MI3W	HBL432P3W
60	2P 3W			120	HBL360MI4W	HBL360P4W
	2P 3W			240	HBL360MI6W	HBL360P6W
	2P 3W			480	HBL360MI7W	HBL360P7W
	3P 4W			120/240	HBL460MI12W	HBL460P12W
	3P 4W			3Ø 240	HBL460MI9W	HBL460P9W
	3P 4W			3Ø 480	HBL460MI7W	HBL460P7W
	3P 4W			3Ø 600	HBL460MI5W	HBL460P5W
	4P 5W			3Ø Y 120/208	HBL560MI9W	HBL560P9W
	4P 5W			3Ø Y 277/480	HBL560MI7W	HBL560P7W
	4P 5W			3Ø Y 347/600	HBL560MI5W	HBL560P5W
100	2P 3W			240	HBL3100MI6W	HBL3100P6W
	3P 4W			120/240	HBL4100MI12W	HBL4100P12W
	3P 4W			3Ø 240	HBL4100MI9W	HBL4100P9W
	3P 4W			3Ø 480	HBL4100MI7W	HBL4100P7W
	3P 4W			3Ø 600	HBL4100MI5W	HBL4100P5W
	4P 5W			3Ø Y 120/208	HBL5100MI9W	HBL5100P9W

Note: 20, 30 and 32A – 1.0 inch N.P.T. hub supplied; 60 and 100A – 1¼ inch hub supplied.

Dimensions in Inches (mm)   www.hubbell-wiring.com   **HUBBELL** **Wiring Device-Kellems**   E-17

IEC Pin and Sleeve
Circuit-Lock® Pin and Sleeve Mechanical Interlocks Accessories

HBLAC1

HBLAC2

HBL30RGB

HBL30RNB

MICPK30

HBL30MIRS

HBLRFT2

Auxiliary Contacts for 20, 30, 32, 60 and 100A switch, A600 pilot duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

Ground Block

Description	Catalog Number
For 20, 30 and 32A switches.	**HBL30RGB**
For 60 and 100A switches.	**HBL60100RGB**

Neutral Block

Description	Catalog Number
For 20, 30 and 32A switches.	**HBL30RNB**
For 60A switches.	**HBL60RNB**
For 100A switches.	**HBL100RNB**

Watertight Closure Plug Kits

Description	Catalog Number
For 20, 30 and 32A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Replacement Switches

Description	Catalog Number
For 20A mechanical interlocks.	**HBLDS3RS**
For 30 and 32A mechanical interlocks.	**HBL30MIRS**
For 60 and 100A mechanical interlocks.	**HBLDS60100RS**

Replacement Mounting Feet

Description	Catalog Number
For 20, 30, 32, 60 and 100A mechanical interlocks.	**HBLRFT2***

Package of 10 feet and 10 screws.

Dimensions

KEY	20A & 30A Inches (mm)		60A Inches (mm)		100A Inches (mm)	
A	7.75"	(196.9)	7.75"	(196.9)	7.75"	(196.9)
B	6.87"	(174.5)	6.87"	(174.5)	6.87"	(174.5)
C	4.75"	(120.7)	4.75"	(120.7)	4.75"	(120.7)
D	1.02"	(25.9)	1.02"	(25.9)	1.02"	(25.9)
E	1.60"	(40.6)	1.46"	(37.1)	1.46"	(37.1)
F	11.00"	(279.4)	12.75"	(323.9)	12.75"	(323.9)
G	8.75"	(222.3)	8.75"	(222.3)	8.75"	(222.3)
H	8.00"	(203.2)	9.75"	(247.7)	9.75"	(247.7)
I	10.12"	(257.0)	11.87"	(301.5)	11.87"	(301.5)
J	6.88"	(174.8)	6.88"	(174.8)	6.88"	(174.8)
K	1.93"	(49.0)	2.09"	(53.1)	2.09"	(53.1)
L	11.25"	(285.8)+	13.65"	(346.7)	13.65"	(346.7)
M	7.75"	(196.9)	8.60"	(218.4)	9.30"	(236.2)
HUB SIZE	1.00" N.P.T.		1.25" N.P.T.		1.25" N.P.T.	

+30 and 32A, 3 and 4W = 11.50" (292.1); 30A 5W = 11.59" (294.4).

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

IEC Pin and Sleeve
Unfused Circuit-Lock® Specifications

Typical Specifications

Manufacturer's Description	Identification Hubbell HBL430MI7W Circuit-Lock® Pin and Sleeve Mechanical Interlock.
Electrical Type	3 Pole + Earth.
Rating	30A, 480V AC, 3 Phase.
Configuration	IEC 60309-2, UL1686 C2, Clock position 7.
Enclosure Type	Outdoor-4X (Watertight, Washdown) Indoor-12 (Dust-tight, Falling Dirt and Noncorrosive Liquids)
Ingress Protection	IP67 Suitability.
Enclosure Material	Non-metallic, enclosure suitable for metallic conduit.
Certification	UL Listed, CSA Certified.

This device provides on/off switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."

Materials

Part	Materials	Part	Materials
Base	Valox®	Top	Valox®
Handle	Valox®	Conduit Hub	Zinc
Enclosure Gasket	Neoprene	Shaft	Valox®
Shaft Seal	Neoprene	Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series	Enclosure Inserts	Brass
Hinge Pins	Nickel Plated Brass	Hinge Spring	Stainless Steel 300 Series

Performance

Electrical

Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles, electrical 6,000 cycles.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of the external label and molded into the receptacle mount.
Mounting	External adjustable feet.

Environmental

Moisture Resistance	Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids).
Ingress Protection	IP67 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperature	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.

Horsepower Ratings

Amps	Rating	Horsepower	Catalog Number	Mating Plug Catalog Number
20	120/240V AC	2	HBL420MI12W	HBL420P12W
20	3Ø 240V AC	5	HBL420MI9W	HBL420P9W
20	3Ø 480V AC	10	HBL420MI7W	HBL420P7W
20	3Ø 600V AC	10	HBL420MI5W	HBL420P5W
30	120V AC	2	HBL330MI4W	HBL330P4W
30	240V AC	3 (208-240V AC)	HBL330MI6W	HBL330P6W
30	480V AC	7.5	HBL330MI7W	HBL330P7W
30	120/240V AC	3 (208-240V AC)	HBL430MI12W	HBL430P12W
30	3Ø 600V AC	20	HBL430MI5W	HBL430P5W
30	3Ø 480V AC	15	HBL430MI7W	HBL430P7W
30	3Ø 250V AC	7.5	HBL430MI9W	HBL430P9W
30	3ØY347/600V AC	20	HBL530MI5W	HBL530P5W
30	3ØY277/480V AC	15	HBL530MI7W	HBL530P7W
30	3ØY120/208V AC	5	HBL530MI9W	HBL530P9W
32	380V AC 50Hz – 440V AC 60Hz	15 (440V AC 3Ø 60Hz)	HBL432MI3W	HBL432P3W
60	120V AC	3	HBL360MI4W	HBL360P4W
60	240V AC	7.5 (208-240V AC)	HBL360MI6W	HBL360P6W
60	480V AC	20	HBL360MI7W	HBL360P7W
60	120/240V AC	7.5 (208-240V AC)	HBL460MI12W	HBL460P12W
60	3Ø 600V AC	40	HBL460MI5W	HBL460P5W
60	3Ø 480V AC	30	HBL460MI7W	HBL460P7W
60	3Ø 250V AC	15	HBL460MI9W	HBL460P9W
60	3ØY347/600V AC	40	HBL560MI5W	HBL560P5W
60	3ØY277/480V AC	30	HBL560MI7W	HBL560P7W
60	3ØY120/208V AC	15	HBL560MI9W	HBL560P9W
100	240V AC	15 (10 @ 208V AC)	HBL3100MI6W	HBL3100P6W
100	120/240V AC	15	HBL4100MI12W	HBL4100P12W
100	3Ø 600V AC	50	HBL4100MI5W	HBL4100P5W
100	3Ø 480V AC	50	HBL4100MI7W	HBL4100P7W
100	3Ø 250V AC	25 (208-240V AC)	HBL4100MI9W	HBL4100P9W
100	3ØY120/208V AC	20	HBL5100MI9W	HBL5100P9W

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

IEC Pin and Sleeve
"Reverse Service" Unfused Circuit-Lock® Mechanical Interlocks
Features and Benefits

IP67
SUITABILITY

Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping.

Watertight conduit hub and grounding plate for use on metallic conduit.

Color coded rating pad and receptacle mount to signify voltage.

Lockable handle to meet OSHA Lockout/ Tagout regulations.

Two-stage interlocking mechanism to help defeat tampering.

Pre-wired IEC Pin and Sleeve reverse service receptacle.

Solid pins—dependable solid brass for longer life and reliable electrical contact.

Captured neoprene gasket for a watertight seal.

Horsepower rated disconnect switch handles large motor loads.

Spring-loaded liftcover with gasket for a watertight seal.

Adjustable mounting feet are ductile to allow mounting on irregular surfaces.

DIN rail mounted switch for easy installation and replacement.

Enclosure housing with brass inserts and stainless steel screws for higher torque and better sealing.

Three molded-in conduit drill points are located on top, bottom and back surface of enclosure.

Hubbell Circuit-Lock® Reverse Service Mechanical Interlocks

The National Electric Code requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's "Reverse Service" Circuit-Lock® Mechanical Interlock incorporates the disconnect switch and reverse service receptacle (inlet) in one compact non-metallic and economical unit.

At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection.

The switch cannot be turned ON until the reverse service plug has been inserted properly, and the reverse service plug cannot be removed until the switch is turned OFF. The non-metallic enclosure can be connected to metallic conduit and not interfere with the ground continuity.

These horsepower rated units are durable, watertight and easy to install and all "Reverse Service" Circuit-Lock® Mechanical Interlocks can be locked out as a method of compliance with OSHA Lockout/Tagout regulation.

These Circuit-Lock® units are available in 30, 60 and 100A, 4 wire configurations.

HUBBELL®

Wiring Device-Kellems   www.hubbell-wiring.com

Dimensions in Inches (mm)

IEC Pin and Sleeve
"Reverse Service" Unfused Circuit-Lock® Ordering Information
30, 60 and 100 Ampere – North American Ratings

IP67
SUITABILITY

Amps	Poles & Wires	Configuration Recep./ Conn.	Plug/ Inlet	Voltage	Mechanical Interlock	Mating Plug
30	3P 4W			3Ø 240	HBL430MI9WR	HBL430P9WR
	3P 4W			3Ø 480	HBL430MI7WR	HBL430P7WR
	3P 4W			3Ø 600	HBL430MI5WR	HBL430P5WR
60	3P 4W			120/240	HBL460MI12WR	HBL460P12WR
	3P 4W			3Ø 240	HBL460MI9WR	HBL460P9WR
	3P 4W			3Ø 480	HBL460MI7WR	HBL460P7WR
	3P 4W			3Ø 600	HBL460MI5WR	HBL460P5WR
100	3P 4W			120/240	HBL4100MI12WR	HBL4100P12WR
	3P 4W			3Ø 240	HBL4100MI9WR	HBL4100P9WR
	3P 4W			3Ø 480	HBL4100MI7WR	HBL4100P7WR
	3P 4W			3Ø 600	HBL4100MI5WR	HBL4100P5WR

Note: 30A – 1.0 inch N.P.T. hub supplied; 60 and 100A – 1¼ inch hub supplied.

Auxiliary Contacts for 30, 60 and 100A switch, A600 pilot duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
"Break Before Main Break", 1 set of n/o contacts.	HBLAC2

Ground Block

Description	Catalog Number
For 30A switches.	HBL30RGB
For 60A and 100A switches.	HBL60100RGB

Neutral Block

Description	Catalog Number
For 30A switches.	HBL30RNB
For 60A switches.	HBL60RNB
For 100A switches.	HBL100RNB

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60A and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	MICPK60

Replacement Switches

Description	Catalog Number
For 30A switches.	HBL30MIRS
For 60 and 100A switches.	HBLDS60100RS

Replacement Mounting Feet

Description	Catalog Number
For 30, 60 and 100A mechanical interlocks.	HBLRFT2*

*Package of 10 feet and 10 screws.

HBLAC1

HBLAC2

HBL30RGB **HBL30RNB**

MICPK30

HBL30MIRS

HBLRFT2

IEC Pin and Sleeve
"Reverse Service" Unfused Circuit-Lock® Specifications

Specifications

Typical Specifications

Manufacturer's Description	Identification Hubbell HBL460MI7WR Circuit-Lock® Pin and Sleeve Reverse Mechanical Interlock.
Electrical Type	3 Pole + Earth.
Rating	60A, 480V AC 3 Phase.
Configuration	IEC 60309-2 Clock position 7.
Enclosure Type	Outdoor-4X (Watertight, Washdown) Indoor-12 (Dust-tight, Falling Dirt and Noncorrosive Liquids).
Ingress Protection	IP67 Suitability.
Enclosure Material	Non-metallic, enclosure suitable for metallic conduit.
Certification	UL Listed, CSA Certified.
Materials	UV resistant thermoplastic Valox® top and base. High heat thermoset interiors, 300 series stainless steel enclosure screws, zinc conduit hub.

Performance

Electrical

Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles, electrical 6,000 cycles.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and rating are part of the external label and molded into the receptacle mount.
Mounting	External adjustable feet.

Environmental

Moisture Resistance	Outdoor-4X (Watertight, Washdown) Indoor-12 (Dust-tight, Falling Dirt and Noncorrosive Liquids).
Ingress Protection	IP67 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperature	Max. Continuous 75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.

Dimensions

KEY	30A Inches (mm)		60A Inches (mm)		100A Inches (mm)	
A	7.75	(196.9)	7.75	(196.9)	7.75	(196.9)
B	6.87	(174.5)	6.87	(174.5)	6.87	(174.5)
C	4.75	(120.7)	4.75	(120.7)	4.75	(120.7)
D	1.02	(25.9)	1.02	(25.9)	1.02	(25.9)
E	1.60	(40.6)	1.46	(37.1)	1.46	(37.1)
F	11.00	(279.4)	12.75	(323.9)	12.75	(323.9)
G	8.75	(222.3)	8.75	(222.3)	8.75	(222.3)
H	8.00	(203.2)	9.75	(247.7)	9.75	(247.7)
I	10.12	(257.0)	11.87	(301.5)	11.87	(301.5)
J	6.88	(174.8)	6.88	(174.8)	6.88	(174.8)
K	1.93	(49.0)	2.09	(53.1)	2.09	(53.1)
L	11.00	(279.4)	13.65	(346.7)	13.65	(346.7)
M	7.75	(196.9)	8.60	(218.4)	9.30	(236.2)
HUB SIZE	1.00" N.P.T.		1.25" N.P.T.		1.25" N.P.T.	

Horsepower Ratings

Amps	Poles & Wires	Rating	Horsepower	Catalog Number	Reverse Service Plug Catalog Number
30	3P 4W	3Ø 240V AC	7.5	HBL430MI9WR	HBL430P9WR
30	3P 4W	3Ø 480V AC	15	HBL430MI7WR	HBL430P7WR
30	3P 4W	3Ø 600V AC	20	HBL430MI5WR	HBL430P5WR
60	3P 4W	120/240V AC	7.5	HBL460MI12WR	HBL460P12WR
60	3P 4W	3Ø 240V AC	15	HBL460MI9WR	HBL460P9WR
60	3P 4W	3Ø 480V AC	30	HBL460MI7WR	HBL460P7WR
60	3P 4W	3Ø 600V AC	40	HBL460MI5WR	HBL460P5WR
100	3P 4W	120/240V AC	15	HBL4100MI12WR	HBL4100P12WR
100	3P 4W	3Ø 240V AC	25	HBL4100MI9WR	HBL4100P9WR
100	3P 4W	3Ø 480V AC	50	HBL4100MI7WR	HBL4100P7WR
100	3P 4W	3Ø 600V AC	50	HBL4100MI5WR	HBL4100P5WR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

IEC Pin and Sleeve
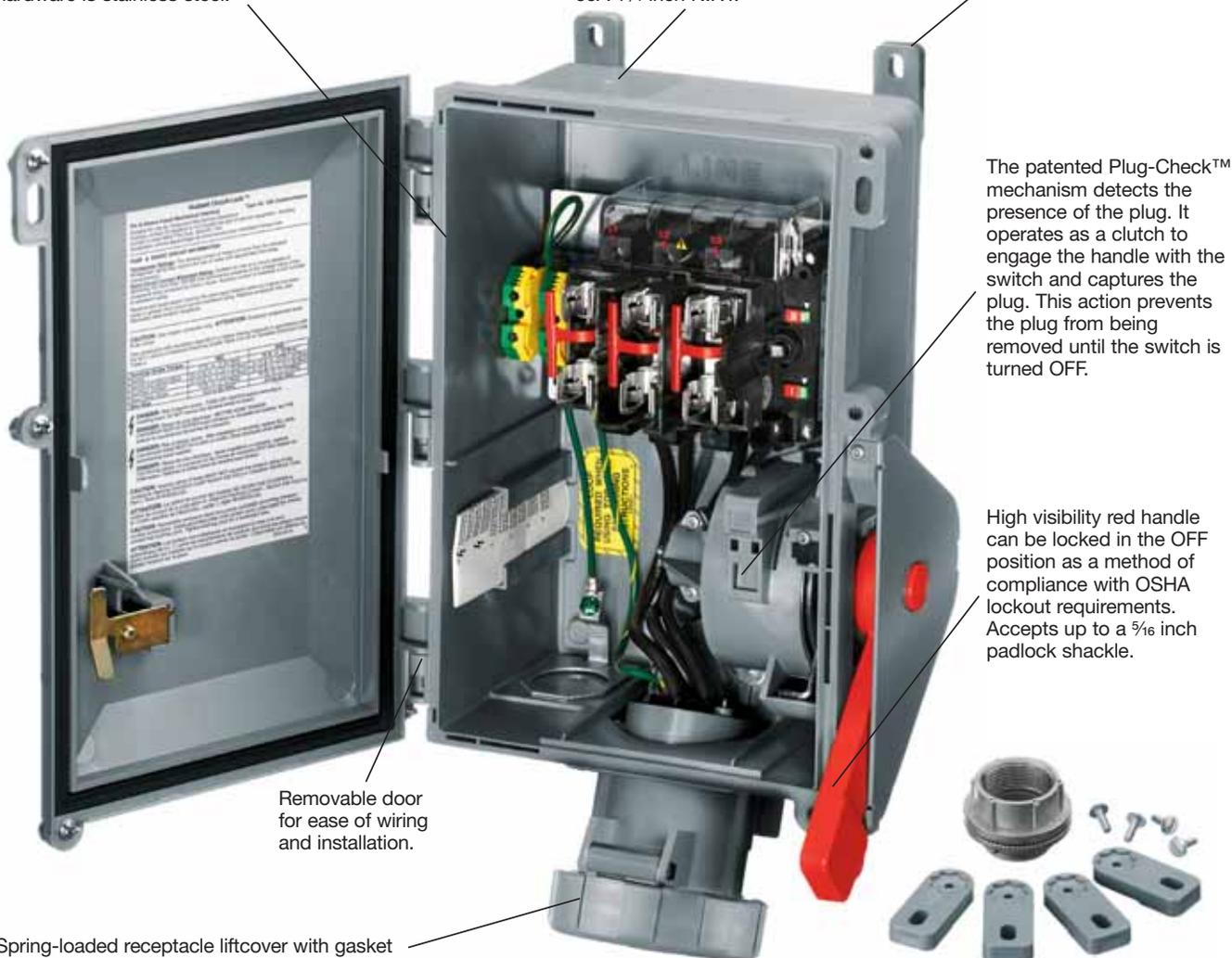# Fused Circuit-Lock® Pin and Sleeve Mechanical Interlocks
Features and Benefits

Non-metallic enclosure meets UL 50 Type 4X (watertight) 12K (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic Valox® to resist abuse, corrosion and enhance safety. All external hardware is stainless steel.

Three molded-in conduit drill points are located on the top, bottom, and back surface of enclosure. Conduit hub provided: 30A 1.0 inch N.P.T., 60A 1¼ inch N.P.T.

Adjustable mounting feet (4) can be mounted in any 1 of 3 positions for ease of installation.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.

High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a 5⁄16 inch padlock shackle.

Removable door for ease of wiring and installation.

Spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked.

Conduit hub and mounting feet are supplied with each IEC Mechanical Interlock.

Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures. Thermoset properties provide excellent dimensional stability, low moisture absorption, and superior dielectric strength.

Stainless steel ¼ inch turn door fasteners for quick, easy access to fuses.

Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door can not be opened.

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IEC Pin and Sleeve
Fused Circuit-Lock® Ordering Information
30 and 60 Ampere – North American Ratings

UL **CSA** **IP66** SUITABILITY

Amps	Poles & Wires	Configuration Recep./Conn.	Plug/Inlet	Voltage	Mechanical Interlock	Mating Plug
30	3P 4W			120/240	HBL430MIF12W	HBL430P12W
	3P 4W			3Ø 240	HBL430MIF9W	HBL430P9W
	3P 4W			3Ø 480	HBL430MIF7W	HBL430P7W
	3P 4W			3Ø 600	HBL430MIF5W	HBL430P5W
	4P 5W			3Ø Y 277/480	HBL530MIF7W	HBL530P7W
	4P 5W			3Ø Y 347/600	HBL530MIF5W	HBL530P5W
60	3P 4W			120/240	HBL460MIF12W	HBL460P12W
	3P 4W			3Ø 240	HBL460MIF9W	HBL460P9W
	3P 4W			3Ø 480	HBL460MIF7W	HBL460P7W
	3P 4W			3Ø 600	HBL460MIF5W	HBL460P5W
	4P 5W			3Ø Y 120/208	HBL560MIF9W	HBL560P9W

Note: 30A – 1.0 inch N.P.T. hub supplied; 60A – 1¼ inch hub supplied.

ACFSNO

Auxiliary Contacts

Description	Catalog Number
Auxiliary contact, normally open, A600 pilot duty.	**ACFSNO**
Auxiliary contact, normally closed, A600 pilot duty.	**ACFSNC**

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60A and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK60**

MICPK30

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30A and 60A fused mechanical interlocks.	**HBLRFT2***

*Package of 10 feet and 10 screws.

HBLRFT2

Dimensions

15.03" (381.8)

7.27" (184.7)

1.51" (38.4) 30A
1.68" (42.7) 60A

10.18" (258.6)
9.31" (236.5)
7.19" (182.6)
3.60" (91.4)

12.37" (314.2)
14.48" (367.8)
15.36" (390.1)

11.46" (291.6)

2.69" (68.3) 30A
2.83" (71.9) 60A

8.43" (214.1)

IEC Pin and Sleeve
Fused Circuit-Lock® Specifications

Specifications

Typical Specifications

Manufacturer's	Identification Hubbell HBL460MIF7W.
Description	Fused Circuit-Lock Pin and Sleeve Mechanical Interlock.
Electrical Type	3 Pole + Earth.
Rating	60A, 480V AC, 3 Phase.
Configuration	IEC 60309-2, UL1686C2, Clock Position 7.
Enclosure Type	Outdoor - 4X (Watertight, Washdown); Indoor - 12K (Dust-tight, Falling dirt).
Certification	UL Listed, CSA Certified.

This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the fuse door opened while the receptacle is energized. The switch cannot be turned on until the plug is inserted properly.

Materials

Part	Materials
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc, 30A-1", 60A-1¼" N.P.T.
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene.
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel
Mounting Inserts	Brass
Hinge Pin	Nickel-Plated Brass
Hinge Spring	Stainless Steel

Performance

Electrical

Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 100,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle mount and color-coded.
Mounting	External adjustment feet.

Environmental

Moisture Resistance	Outdoor - 4X (Watertight, Washdown); Indoor - 12K (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

Amps	Rating	Horsepower	Catalog Number	Use Pin and Sleeve Plug Catalog Number
30	3Ø 600V AC	20	**HBL430MIF5W**	**HBL430P5W**
30	3Ø 480V AC	15	**HBL430MIF7W**	**HBL430P7W**
30	3Ø 240V AC	7.5	**HBL430MIF9W**	**HBL430P9W**
30	120/240V AC	3.0[+]	**HBL430MIF12W**	**HBL430P12W**
30	3ØY 277/480V AC	15	**HBL530MIF7W**	**HBL530P7W**
30	3ØY 347/600V AC	20	**HBL530MIF5W**	**HBL530P5W**
60	3Ø 600V AC	40	**HBL460MIF5W**	**HBL460P5W**
60	3Ø 480V AC	30	**HBL460MIF7W**	**HBL460P7W**
60	3Ø 240V AC	15	**HBL460MIF9W**	**HBL460P9W**
60	120/240V AC	10	**HBL460MIF12W**	**HBL460P12W**
60	3ØY 120/208V AC	15	**HBL560MIF9W**	**HBL560P9W**

[+] *208-240V AC L-L.*
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UL 1686 C1 Pin and Sleeve
Insulgrip® Pin and Sleeve Devices
Features and Benefits

Liquidtight Conduit Adapters
Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector.

Watertight Neoprene Sealing Glands
Provide a reliable seal at the cable entry point.

Lid-Stay
Allows the cover lid to stay open. Provides a hands-free means of holding the cover in the open position for engaging mating device, troubleshooting or maintenance purpose.

Spring-Loaded, Gasketed Cover
Provides a UL Type 4X watertight, dust-tight seal on connectors and receptacles.

Pin O-Ring Seal
Provides a watertight and dust-tight seal around the pins to ensure that contamination will not enter wire chamber.

Pin Chamber
Confines arcing within the interior chamber during make and break cycle of mating devices. Minimizes arc tracking.

Powerful Mechanical Cord Grip
Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations. Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention.

Watertight Cord Entrance
The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord. Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance.

Anti-Vibration Box Terminals
Interlocking box terminals ensure that terminal screws remain secure and cannot loosen. The floating box is designed to obtain high-torque values without damaging stranded conductors.

Terminal Entrance Holes
Large, square funneled entrance holes isolate each conductor to protect against shorts due to stray conductor strands. Tapered hole provides a fast and easy guide into the termination chamber.

UL 1686 C1 Pin and Sleeve
Insulgrip® Pin and Sleeve Devices
Features and Benefits

Product Marking
Catalog number and rating visible while in use. Markings are color coded differentiating Style I and Style II devices.

Sleeve O-Ring Seal
Provides a watertight and dust-tight seal around the sleeves. Assures that contamination will not enter wire chamber.

Locking Ring
Provides a UL Type 4X watertight and dust-tight seal when the male and female devices are connected.

Terminal Screws
Combination phillips/slotted head design.

Shroud/Housing Seal
Provides a watertight and dust-tight seal when mated with receptacle or connector.

All-Brass Sleeve Contacts
Provide reliable electrical contact with mating pins. Ensures reliable electrical contact with minimum heat build-up over time.

Thermoplastic Housing
Provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments.

Shrouded Sleeves
The shroud protects contact sleeves from deforming from physical abuse. The design protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts.

Beryllium Copper Spring-Pin Design (Patented)
Maintains high unit pressure on mating sleeves. Ensures reliable electrical contact while minimizing heat rise due to normal pin wear over time.

Thermoset Polyester Contact Carrier
Molded thermoset polyester provides high resistance to electrical tracking. Withstands higher temperatures which may result from overload or arcing. Thermoset properties provide dimensional stability for this critical assembly.

UL 1686 C1 Pin and Sleeve
Insulgrip® Pin and Sleeve Devices
Features and Benefits, Hubbell Offers Two Approaches

Ground Path
To reduce the likelihood of electrical shock, the National Electrical Code requires that non-current carrying metallic components be grounded. Insulgrip Pin and Sleeve wiring devices offer two styles of grounding.

Style I
Receptacles achieve grounding by attaching the ground conductor to the ground screw inside the back box and utilizing the metallic receptacle shell as a ground source (see 3P 4W Style I illustration). Plugs and connectors establish grounding by means of connecting the flexible cable ground conductor to a ground terminal within each device, which, in turn, is grounded through the metallic plug or connector shroud. Any exposed metallic components are suitably grounded in the Style I offering.

Style II
The Style II ground path offers two means of achieving the proper ground path. In addition to utilizing the same grounding method as in the Style I product, the Style II version incorporates a separate ground pin and sleeve (see 3P 4W Style II illustration). This provides a second ground path. The ground pin on Style II devices is longer than other pins, meaning that they "make first" and "break last," assuring protection for people and equipment.

UL 1686 C1 Pin and Sleeve
Insulgrip® Pin and Sleeve Devices Ordering Information
30, 60, 100 and 200 Ampere, 600/250 Voltage AC/DC

Ordering Information

Style I

Amps	Poles & Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Replacement Interiors Connectors & Receptacles	Plugs
30	2P 3W		600/250	HBL330RS1W	HBL330PS1W	HBL330CS1W	IN330FS1	IN330MS1
30	3P 4W		600/250	HBL430RS1W	HBL430PS1W	HBL430CS1W	IN430FS1	IN430MS1
30	4P 5W		600/250	HBL530RS1W	HBL530PS1W	HBL530CS1W	IN530FS1	IN530MS1
60	2P 3W		600/250	HBL360RS1W	HBL360PS1W	HBL360CS1W	IN360FS1	IN360MS1
60	3P 4W		600/250	HBL460RS1W	HBL460PS1W	HBL460CS1W	IN460FS1	IN460MS1
60	4P 5W		600/250	HBL560RS1W	HBL560PS1W	HBL560CS1W	IN560FS1	IN560MS1
100	2P 3W		600/250	HBL3100RS1W	HBL3100PS1W	HBL3100CS1W	IN3100FS1	IN3100MS1
100	3P 4W		600/250	HBL4100RS1W	HBL4100PS1W	HBL4100CS1W	IN4100FS1	IN4100MS1
100	4P 5W		600/250	HBL5100RS1W	HBL5100PS1W	HBL5100CS1W	IN5100FS1	IN5100MS1
200	3P 4W		600/250	HBL4200RS1W	HBL4200PS1W	HBL4200CS1W	IN4200FS1[†]	IN4200MS1[†]
200	4P 5W		600/250	HBL5200RS1W	HBL5200PS1W	HBL5200CS1W	IN5200FS1[†]	IN5200MS1[†]

CAUTION: *To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*

Style II

Amps	Poles & Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Replacement Interiors Connectors & Receptacles	Plugs
30	2P 3W		600/250	HBL330RS2W	HBL330PS2W	HBL330CS2W	IN330FS2	IN330MS2
30	3P 4W		600/250	HBL430RS2W	HBL430PS2W	HBL430CS2W	IN430FS2	IN430MS2
60	2P 3W		600/250	HBL360RS2W	HBL360PS2W	HBL360CS2W	IN360FS2	IN360MS2
60	3P 4W		600/250	HBL460RS2W	HBL460PS2W	HBL460CS2W	IN460FS2	IN460MS2
100	2P 3W		600/250	HBL3100RS2W	HBL3100PS2W	HBL3100CS2W	IN3100FS2	IN3100MS2
100	3P 4W		600/250	HBL4100RS2W	HBL4100PS2W	HBL4100CS2W	IN4100FS2	IN4100MS2
200	2P 3W		600/250	HBL3200RS2W	HBL3200PS2W	HBL3200CS2W	IN3200FS2[†]	IN3200MS2[†]
200	3P 4W		600/250	HBL4200RS2W	HBL4200PS2W	HBL4200CS2W	IN4200FS2[†]	IN4200MS2[†]

[†] Consult factory.

Catalog Numbering System EXAMPLE: HBL430RS2W

Manufacturer	No. of Wires	Amperage	Device Type	Grounding Style	Environment	Specialized
HBL=Hubbell	3=2P 3W **4=3P 4W** 5=4P 5W	**30=Amp** 60=Amp 100=Amp 200=Amp	**R=Receptacle** P=Plug C=Connector	S1=Style I **S2=Style II**	**W=Watertight, UL Type 4X**	R=Reversed Service (See E-30)

New Pole and Wire Terminology

	Style I			Style II	
New	Old	No. of Contacts	New	Old	No. of Contacts
2P 3W	2W 2P	2	2P 3W	2W 3P	3
3P 4W	3W 3P	3	3P 4W	3W 4P	4
4P 5W	4W 4P	4			

UL 1686 C1 Pin and Sleeve
"Reversed Service" Insulgrip® Pin and Sleeve Devices
Ordering Information
30, 60, 100 and 200 Ampere, 600/250 Voltage AC/DC

Ordering Information

Style I

Amps	Poles & Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Replacement Interiors Connectors & Receptacles	Plugs
30	2P 3W		600/250	HBL330RS1WR	HBL330PS1WR	HBL330CS1WR	IN330MS1	IN330FS1
30	3P 4W		600/250	HBL430RS1WR	HBL430PS1WR	HBL430CS1WR	IN430MS1	IN430FS1
30	4P 5W		600/250	HBL530RS1WR	HBL530PS1WR	HBL530CS1WR	IN530MS1	IN530FS1
60	2P 3W		600/250	HBL360RS1WR	HBL360PS1WR	HBL360CS1WR	IN360MS1	IN360FS1
60	3P 4W		600/250	HBL460RS1WR	HBL460PS1WR	HBL460CS1WR	IN460MS1	IN460FS1
60	4P 5W		600/250	HBL560RS1WR	HBL560PS1WR	HBL560CS1WR	IN560MS1	IN560FS1
100	2P 3W		600/250	HBL3100RS1WR	HBL3100PS1WR	HBL3100CS1WR	IN3100MS1	IN3100FS1
100	3P 4W		600/250	HBL4100RS1WR	HBL4100PS1WR	HBL4100CS1WR	IN4100MS1	IN4100FS1
100	4P 5W		600/250	HBL5100RS1WR	HBL5100PS1WR	HBL5100CS1WR	IN5100MS1	IN5100FS1
200	3P 4W		600/250	HBL4200RS1WR	HBL4200PS1WR	HBL4200CS1WR	IN4200MS1[†]	IN4200FS1[†]
200	4P 5W		600/250	HBL5200RS1WR	HBL5200PS1WR	HBL5200CS1WR	IN5200MS1[†]	IN5200FS1[†]

CAUTION: To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.

Style II

Amps	Poles & Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Replacement Interiors Connectors & Receptacles	Plugs
30	2P 3W		600/250	HBL330RS2WR	HBL330PS2WR	HBL330CS2WR	IN330MS2	IN330FS2
30	3P 4W		600/250	HBL430RS2WR	HBL430PS2WR	HBL430CS2WR	IN430MS2	IN430FS2
60	2P 3W		600/250	HBL360RS2WR	HBL360PS2WR	HBL360CS2WR	IN360MS2	IN360FS2
60	3P 4W		600/250	HBL460RS2WR	HBL460PS2WR	HBL460CS2WR	IN460MS2	IN460FS2
100	2P 3W		600/250	HBL3100RS2WR	HBL3100PS2WR	HBL3100CS2WR	IN3100MS2	IN3100FS2
100	3P 4W		600/250	HBL4100RS2WR	HBL4100PS2WR	HBL4100CS2WR	IN4100MS2	IN4100FS2
200	2P 3W		600/250	HBL3200RS2WR	HBL3200PS2WR	HBL3200CS2WR	IN3200MS2[†]	IN3200FS2[†]
200	3P 4W		600/250	HBL4200RS2WR	HBL4200PS2WR	HBL4200CS2WR	IN4200MS2[†]	IN4200FS2[†]

[†] Consult factory.

Catalog Numbering System EXAMPLE: HBL430RS2WR

Manufacturer	No. of Wires	Amperage	Device Type	Grounding Style	Environment	Specialized
HBL=Hubbell	3=2P 3W **4=3P 4W** 5=4P 5W 200=Amp	**30=Amp** 60=Amp 100=Amp	**R=Receptacle** P=Plug C=Connector	S1=Style I **S2=Style II**	**W=Watertight, UL Type 4X**	**R=Reversed Service**

UL 1686 C1 Pin and Sleeve
Insulgrip® Pin and Sleeve Device Accessories

Insulgrip Pin and Sleeve Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

Metallic 30º Angle Back Box

Description	Amps	Hub Size	Catalog Number
Back box for 30A devices.	30	¾" N.P.T.	**MB301W**
	30	1" N.P.T.	**MB302W**

Metallic 15º Angle Back Box

Description	Amps	Hub Size	Catalog Number
Back box for 60A devices.	60	1" N.P.T.	**MB601W**
	60	1¼" N.P.T.	**MB602W**
	60	1½" N.P.T.	**MB603W**

Metallic Feed-Thru Back Box

Description	Amps	Hub Size	Catalog Number
Straight feed-thru box for	30	¾" N.P.T.	**MB303W**
30A devices.	30	1" N.P.T.	**MB304W**
Straight feed-thru box for	60	1" N.P.T.	**MB604W**
60A devices.	60	1¼" N.P.T.	**MB605W**
	60	1½" N.P.T.	**MB606W**

Metallic Four-Way Angle Back Box

Description	Amps	Hub Size	Catalog Number
Four-way 15° angle box for	60/100	1¼" N.P.T.	**MB601002W**
60 and 100A devices.	60/100	1½" N.P.T.	**MB601003W**
	60/100	2" N.P.T.	**MB601004W**
Four-way 45° angle box for	200	2" N.P.T.	**MB2003W**
200A devices.	200	2½" N.P.T.	**MB2004W**

Metallic Four-Way Feed-Thru 15º Angle Back Box

Description	Amps	Hub Size	Catalog Number
Four-way feed-thru, 15° angle	60/100	1¼" N.P.T.	**MB601006W**
for 60 and 100A devices.	60/100	1½" N.P.T.	**MB601007W**
	60/100	2" N.P.T.	**MB601008W**

Replacement Cord Clamp and Locking Ring

Description	Used on	Cord Clamp Catalog Number	Locking Ring Catalog Number
Fits all 30A plugs and connectors.	All 3, 4, 5 wire	**CC3430**	**ILR1***
Fits all 60A plugs and	4 wire (Style 2) and all 5 wire	**CC60**	**ILR2***
connectors.	All 3 wire and 4 wire (Style 1)	**CC60**	**ILR3***
Fits all 100A plugs and	4 wire (Style 2) and all 5 wire	**CC100**	**ILR4***
connectors.	All 3 wire and 4 wire (Style 1)	**CC100**	**ILR5***

Locking Ring only.

Liquidtight Adapters

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter Catalog Number	Optional Kellems Liquidtight Conduit Grip Catalog Number
30 Amp	½" N.P.T.	**SAB12**	074093402
	¾" N.P.T.	**SAB34**	074093403
	1" N.P.T.	**SAB100**	074093404
60 Amp	1" N.P.T.	**SAC100**	074093404
	1¼" N.P.T.	**SAC125**	074093405
100 Amp	1¼" N.P.T.	**SAD125**	074093405
	1½" N.P.T.	**SAD150**	074093406

MB301W

MB304W

MB601003W

MB601006W

MB2003W

CC3430

ILR1

SAB34

074093403

UL 1686 C1 Pin and Sleeve
Insulgrip® Pin and Sleeve and "Reversed Service" Device Dimensions

Dimensions

Receptacle Dimensions – Inches (mm)

Amps	Type	A Style I	A Style II	B Style I	B Style II	C Style I	C Style II	D Style I	D Style II	E Style I	E Style II
30	330R	2.72 (69)	2.72 (69)	3.40 (86)	3.40 (86)	3.89 (99)	3.89 (99)	3.19 (81)	3.19 (81)	1.37 (35)	1.37 (35)
	430R	2.72 (69)	2.72 (69)	3.40 (86)	3.40 (86)	3.89 (99)	3.89 (99)	3.19 (81)	3.19 (81)	1.37 (35)	1.37 (35)
	530R	2.72 (69)		3.40 (86)		3.89 (99)		3.19 (81)		1.37 (35)	
60	360R	3.50 (89)	3.50 (89)	4.25 (108)	4.25 (108)	4.66 (118)	4.66 (118)	4.42 (112)	4.42 (112)	1.54 (39)	1.54 (39)
	460R	3.50 (89)	3.50 (89)	4.25 (108)	4.25 (108)	4.66 (118)	4.66 (118)	4.42 (112)	4.42 (112)	1.54 (39)	1.54 (39)
	560R	3.50 (89)		4.25 (108)		4.66 (118)		4.42 (112)		1.54 (39)	
100	3100R	3.50 (89)	3.50 (89)	4.25 (108)	4.25 (108)	4.70 (119)	4.70 (119)	5.30 (135)	5.30 (135)	1.54 (39)	1.54 (39)
	4100R	3.50 (89)	3.50 (89)	4.25 (108)	4.25 (108)	4.70 (119)	4.70 (119)	5.30 (135)	5.30 (135)	1.54 (39)	1.54 (39)
	5100R	3.50 (89)		4.25 (108)		4.70 (119)		5.30 (135)		1.54 (39)	
200	3200R		6.50 (165)		7.00 (177)		5.63 (143)		7.76 (197)		.99 (25)
	4200R	6.50 (165)	6.90 (170)	7.00 (177)	7.39 (187)	5.63 (143)	5.63 (143)	7.76 (197)	7.76 (197)	.99 (25)	.99 (25)
	5200R	6.90 (170)		7.39 (187)		5.63 (143)		7.76 (197)		.99 (25)	

30, 60 and 100 Amp

200 Amp

Plug Dimensions – Inches (mm)

Amps	Type	A Style I	A Style II	B Style I	B Style II	Cord Grip Range
30	330P	7.53 (191)	7.53 (191)	3.00 (76)	3.00 (76)	.375-1.20 (9.5-30.5)
	430P	7.53 (191)	7.53 (191)	3.00 (76)	3.00 (76)	.375-1.20 (9.5-30.5)
	530P	7.53 (191)		3.00 (76)		.375-1.20 (9.5-30.5)
60	360P	9.40 (239)	9.40 (239)	3.40 (86)	3.40 (86)	.500-1.45 (12.7-36.8)
	460P	9.40 (239)	9.60 (244)	3.40 (86)	3.70 (94)	.500-1.45 (12.7-36.8)
	560P	9.60 (244)		3.70 (94)		.500-1.45 (12.7-36.8)
100	3100P	10.70 (272)	10.70 (272)	3.70 (94)	3.70 (94)	.925-1.94 (27.0-49.3)
	4100P	10.70 (272)	10.90 (277)	3.70 (94)	4.00 (102)	.925-1.94 (27.0-49.3)
	5100P	10.90 (277)		4.00 (102)		.925-1.94 (27.0-49.3)
200	3200P		11.13 (282)		6.35 (161)	1.00-2.50 (25.4-63.5)
	4200P	11.13 (282)	11.13 (282)	6.35 (161)	6.70 (170)	1.00-2.50 (25.4-63.5)
	5200P	11.13 (282)		6.70 (170)		1.00-2.50 (25.4-63.5)

Connector Body Dimensions – Inches (mm)

Amps	Type	A Style I	A Style II	B Style I	B Style II	Cord Grip Range
30	330C	8.38 (213)	8.38 (213)	3.74 (95)	3.74 (95)	.375-1.20 (9.5-30.5)
	430C	8.38 (213)	8.38 (213)	3.74 (95)	3.74 (95)	.375-1.20 (9.5-30.5)
	530C	8.38 (213)		3.74 (95)		.375-1.20 (9.5-30.5)
60	360C	9.90 (251)	9.90 (251)	3.50 (89)	3.50 (89)	.500-1.45 (12.7-36.8)
	460C	9.90 (251)	10.10 (256)	3.50 (89)	3.80 (96)	.500-1.45 (12.7-36.8)
	560C	10.10 (256)		3.80 (96)		.500-1.45 (12.7-36.8)
100	3100C	11.70 (297)	11.70 (297)	4.50 (114)	4.50 (114)	.925-1.94 (27.0-49.3)
	4100C	11.70 (297)	11.90 (302)	4.50 (114)	4.70 (119)	.925-1.94 (27.0-49.3)
	5100C	11.90 (302)		4.70 (119)		.925-1.94 (27.0-49.3)
200	3200C		13.65 (346)		7.00 (177)	1.00-2.50 (25.4-63.5)
	4200C	13.65 (346)	13.65 (346)	7.00 (177)	7.39 (187)	1.00-2.50 (25.4-63.5)
	5200C	13.65 (346)		7.39 (187)		1.00-2.50 (25.4-63.5)

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

UL 1686 C1 Pin and Sleeve
Insulgrip® Pin and Sleeve Device Dimensions

Metallic Angle Back Box

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Inch Capacity	Cubic Catalog Number
30° Angle back box for 30A devices.	¾"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	–	MB301W
	1"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	–	MB302W
15° Angle back box for 60A devices.	1"	– –	4.80" (121.9)	– –	– –	5.25" (133.4)	2.69" (68.3)	–	MB601W
	1¼"	– –	4.80" (121.9)	– –	– –	5.25" (133.4)	2.69" (68.3)	–	MB602W
	1½"	– –	4.80" (121.9)	– –	– –	5.25" (133.4)	2.69" (68.3)	–	MB603W

Metallic Angle Box

Metallic Feed-Thru Back Box

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Inch Capacity	Cubic Catalog Number
Back box for 30A devices.	¾"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	– –	–	MB303W
	1"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	– –	–	MB304W
Back box for 60A devices.	1"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	– –	–	MB604W
	1¼"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	– –	–	MB605W
	1½"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	– –	–	MB606W

Metallic Feed-Thru Box

Metallic Four-Way Angle Back Box

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Inch Capacity	Cubic Catalog Number
15° Angle four-way box for 60 & 100A devices.	1¼"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	– –	–	MB601002W
	1½"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	– –	–	MB601003W
	2"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	– –	–	MB601004W
45° Angle four-way box for 200A devices.	2"	10.82" (274.8)	– –	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	– –	–	MB2003W
	2½"	10.82" (274.8)	– –	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	– –	–	MB2004W

Metallic Four-Way Angle Box

Metallic Four-Way Feed-Thru 15º Angle Back Box

Description	N.P.T. Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Inch Capacity	Cubic Catalog Number
Four-way Feed-thru box for 60 & 100A devices.	1¼"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	– –	–	MB601006W
	1½"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	– –	–	MB601007W
	2"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	– –	–	MB601008W

Metallic Feed-Thru Angle Box

Notes: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.

UL 1686 C1 Pin and Sleeve
Insulgrip® Pin and Sleeve Device Listings

Materials (30, 60, 100, and 200 Amp)

Plug	Material
Housing	Valox® 357 (200A Aluminum)
Plug Shroud	Aluminum
Cord Clamps	Rynite® SST35 (200A Aluminum)
Clamp Nut	Nickel Plated Brass
Gland Cap	Rynite® SST35
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Sleeves	Brass
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Locking Ring	Epoxy Painted Aluminum

Connector Body	
Housing	Valox® 357 (200 Amp Aluminum)
Connector Shroud	Epoxy Painted Aluminum
Cord Clamps	Rynite® SST35
Clamp Nut	Nickel Plated Brass
Gland Cap	Rynite® SST35 (200A Aluminum)
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum

Receptacle	
Housing/Flange	Epoxy Painted Aluminum
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Steel
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company. Rynite® is a registered trademark of E.I. DuPont Corp.

Typical Specification
Manufacturer's Identification Hubbell HBL430PS2W.
Description Plug, Power Supply.
Type 3 Pole + Earth.
Max. Rating 30 Amp, 250V DC, 600V AC, 50-400Hz.
Configuration UL 1686, Watertight, C1 Configuration.
Certification UL Listed, UL Standard 1682, UL 50, and UL 1010 (plugs only), CSA Certified to CSA Spec. C22.2 No. 182.1, No. 94 and No. 159 (plugs only), UL Listed and CSA Certified Type 4X.

Performance

Electrical
Dielectric Voltage	Withstands 3,000V AC.
Max. Working Voltage	600V AC RMS (i.e., minimum creepage and clearance distance of 6.4 millimeters, per UL 1682).
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30° C temperature rise at full rated current after 50 cycles of overload at 150% of rated current.
Endurance	Up to 1,000 connect and disconnect cycles at full rated current and voltage.

Mechanical
Impact Resistance	Per CSA C22.2, No. 182.1, UL 1682.
Cord Grip Cable Retention	Per CSA C22.2, No. 182.1, UL 1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL. Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with UL 1686 (1, 2, 3, Green).
Product Identification	Identification and ratings are permanently fastened to the device housing.

Environmental
Hose Down & Moisture Resistance	Type 3, 4, 4X per UL 50 and CSA 22.2, No. 94.
Flammability (Enclosure)	UL 94V-0 and CSA C22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum 40° C without impact -25° with impact.
Hazardous Location (plug only)	Class I, Division I & II, Groups B, C & D and Class II, Division I & II, Groups F & G per UL 1010 & CSA 22.2, No. 159.

Materials
Housings	Valox® 357 (200A Aluminum).
All Other Materials	Resistant to corrosion and chemical attack.

Watertight Application Guide

Industry	Watertight
Agriculture	Outdoor for fans, heaters, pumps, etc.
Chemical Processing	Where subject to water, corrosion.
Construction	Outdoors subject to severe weather conditions.
Entertainment	Outdoors subject to severe weather.
Food Processing	Where subject to water, corrosion.
Food Service	Areas subject to wash downs & heavy cleaning.
Light Manufacturing	Subjected to cleaning, solvents & chemicals.
Manufacturing	Where subject to water, corrosion.
Military	Outdoor construction or maintenance.

Pin and Sleeve
Insulgrip® Mechanical Interlocks
Features and Benefits

Non-metallic enclosure meets UL 50 Type 4X (watertight) 12K (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic Valox® to resist abuse, corrosion and enhance safety. All external hardware is stainless steel.

Three "molded in" conduit drill points are located on the top, bottom, and back surface of enclosure. Conduit hub provided: 30A 1.0 inch N.P.T., 60A 1¼ inch N.P.T.

Adjustable mounting feet (4) can be mounted in any 1 of 3 positions for ease of installation.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.

High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a ⁵⁄₁₆ inch padlock shackle.

Removable door for ease of wiring and installation.

Spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked.

Conduit hub and mounting feet are supplied with each Insulgrip® Mechanical Interlock.

Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures. Thermoset properties provide excellent dimensional stability, low moisture absorption, and superior dielectric strength.

Stainless steel ¼ inch turn door fasteners for quick, easy access to fuses.

Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Pin and Sleeve
Insulgrip® Mechanical Interlocks Ordering Information
30 and 60 Ampere

Ordering Information

Style II - Fused Mechanical Interlocks
3 Pole 4 Wire, 250VDC/600VAC

Amps	Poles & Wires	Voltage	Receptacle Configuration*	Mechanical Interlock	Mating Plug
30A	3P 4W	250VDC/600VAC		**HBL430MIFS2W**	**HBL430PS2W**
60A	3P 4W	250VDC/600VAC		**HBL460MIFS2W**	**HBL460PS2W**

Style II - Unfused Mechanical Interlocks
3 Pole 4 Wire, 250VDC/600VAC

Amps	Poles & Wires	Voltage	Receptacle Configuration*	Mechanical Interlock	Mating Plug
30A	3P 4W	250VDC/600VAC		**HBL430MIS2W**	**HBL430PS2W**
60A	3P 4W	250VDC/600VAC		**HBL460MIS2W**	**HBL460PS2W**

Note: 30A – 1.0 inch N.P.T. hub supplied; 60A – 1¼ inch hub supplied.
***CAUTION:** To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*

ACFSNO

Auxiliary Contacts

Description	Catalog Number
Auxiliary contact, normally open, A600 pilot duty.	**ACFSNO**
Auxiliary contact, normally closed, A600 pilot duty.	**ACFSNC**

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock unfused and fused Pin and Sleeve mechanical interlock.	**MICPK30**
For 60A Circuit-Lock unfused and fused Pin and Sleeve mechanical interlock.	**MICPK60**

MICPK30

HUBBELL®

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Pin and Sleeve
Technical Information
Catalog Number Explanation
Terminal Identification

Typical Specifications

Manufacturer's Identification	Hubbell HBL460MIFS2W.
Description	Fused Insulgrip® Pin and Sleeve Mechanical Interlock.
Electrical Type	3 Pole + Earth.
Rating	60A, 250VDC/600VAC.
Configuration	Per UL 1686 C1.
Enclosure Type (UL 50)	Outdoor-4X (Watertight, Washdown) Indoor 12K (Dust Tight, Falling Dirt).
Ingress Protection	IP66 Suitability.
Certification	UL Listed, CSA Certified.

This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the door from opening while the receptacle is energized. The switch cannot be turned on until the plug is fully inserted.

Materials

Part	Materials
Base, Door and Handle	Valox®
Conduit Hub	Zinc, 30A – 1 in., 60A – 1¼ in. N.P.T.
Enclosure Gasket and Shaft Seal	Neoprene
Shaft and Mounting Inserts	Brass
Ground Plate	Galvanized Steel
Enclosure Screws & Hinge Spring	Stainless Steel
Hinge Pin	Nickel-Plated Brass
Contact Carrier	Thermoset Polyester

Performance

Electrical

Dielectric Voltage	Withstands 3,000VAC Min.
Max. Working Voltage	250VDC/600VAC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 100,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle housing.
Mounting	External adjustable feet.

Environmental

Moisture Resistance	Outdoor-4X (Watertight, Washdown) Indoor - 12K (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +60°C; Min. Continuous -40°C w/o impact.
UV Resistance	All exposed insulating materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

	30A Horsepower Ratings						60A Horsepower Ratings					
	3 Phase A.C.			1 Phase A.C.			3 Phase A.C.			1 Phase A.C.		
	Std.	Max.		Std.	Max.			Std.	Max.		Std.	Max.
200-240V	3.0	7.5	120V	0.5	2.0		200-240V	7.5	15.0	120V	1.5	3.0
480V	5.0	15.0	240V	1.5	3.0		480V	15.0	30.0	240V	3.0	10.0
600V	7.5	20.0					600V	15.0	50.0			

Dimensions

15.03" (381.8)
4.00" (101.6) 30A
5.00" (127.0) 60A

7.27" (184.7)
1.51" (38.4) 30A
1.68" (42.7) 60A
8.43" (214.1)

10.18" (258.6)
9.31" (236.5)
7.19" (182.6)
3.60" (91.4)
12.37" (314.2)
14.48" (367.8)
15.36" (390.1)

11.46" (291.6)

Note: 30A – 1 inch N.P.T. hub supplied; 60A – 1¼ inch hub supplied.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

IEC Pin and Sleeve Terminal Identification – Rear View

Description	Rating		Terminal Marking Pattern			
			Receptacle & Connector		Plug & Inlet	
	Domestic	International	Domestic	International	Domestic	International
3 wire	125V AC 277V AC	100-130V	White / Green	Green	White / Green	Green
3 wire	250V AC 480V AC 600V AC	200-250V 380-415V AC	Green		Green	
4 wire	125/250V AC 120/208V 1ØY	—	White / Green		White / Green	
4 wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC	★Pilot / Green		★Pilot / Green	
5 wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz	White ★Pilot / Green		★Pilot White / Green	

★ *Pilot contacts supplied on 4 & 5W 63 & 125 Amp international rated devices.*
Note: For Insulgrip Pin and Sleeve catalog number explanation, see page E-29.

Section F
Single Pole Devices

Plugs

Panel Mount Receptacles

"T's" and Tri-Taps

Accessories

Single Pole Devices
300 and 400 Ampere, 600V AC/250V DC
Features and Benefits

The name Hubbell Wiring Device–Kellems is synonymous with innovation and quality. In keeping with this reputation, Hubbell Wiring Device–Kellems offers a redesigned line of innovative, high quality, single pole plugs, receptacles and accessories. The redesigned Hubbell Single Pole Device line is rated for 600 volts AC and 250 volts DC, up to 400 amps. Accepts cable sizes #4 through 4/0. Single pole devices are the right choice for supplying temporary electrical power distribution for entertainment, theme parks, carnival equipment, concerts, movie making, and numerous other applications requiring temporary power. Single pole devices have been designed with ease of assembly and disassembly in mind, no special tools are required. A high strength non-conductive retaining screw is all that is needed to securely lock the contacts to the insulated sleeve.

Male Plug

Non-Conductive Retaining Screw
Locks contacts in place. Allows for easy installation. Prevents contact movement within housing. Special screw thread requires fewer turns than most competitors and reduces the risk of a conductive screw being substituted.

Insulgrip® Style Housing for Superior Gripping
Grip conforms to the user's hand making it easy to connect and disconnect, even with gloves on.

Large Raised Alignment Arrow
Aids in the mating of devices and provides a visual indication that the devices are properly connected.

Rounded Corners
Reduces the possibility of catching or snagging on structures or equipment.

Double Cam Design With Stress Relief Hole
Provides high contact pressure and vibration resistant connection, which helps reduce operating temperatures and extends life.

UL Enclosure Types 3R, 4X and 12K Rating
Suitable for use in almost any environment.

Female Plug

Turn and Lock Symbol
Aids in the mating of devices and provides a clear indication that the devices are properly connected.

Easily Identifiable Cable Cut Off Points For Secure Fit
Allows you to easily customize the housing to the required cable size. Makes cutting to the correct cable size very easy. Accommodates wide range of cables (0.46" – 1.02").

High Conductivity Brass Contact
Provides improved performance by helping to reduce operating temperatures and extends life.

Extra Long Locking Ring
Non-conductive inner sleeve reduces force required to install housing over contacts. Easier to rotate contact in body for installing retaining screw.

Strip Gauge
Molded into every plug and receptacle housing. Simplifies installation and saves time.

Single Pole Devices
300 and 400 Ampere, 600V AC/250V DC
Plugs, Receptacles and Protective Caps

Plugs

Amp	Color	Cable Size	Male Plug	Female Plug
300	Black	#4 - 2/0	HBL300MBK	HBL300FBK
300	White	#4 - 2/0	HBL300MW	HBL300FW
300	Red	#4 - 2/0	HBL300MR	HBL300FR
300	Blue	#4 - 2/0	HBL300MBL	HBL300FBL
300	Green	#4 - 2/0	HBL300MGN	HBL300FGN
300	Yellow	#4 - 2/0	HBL300MY	HBL300FY
300	Orange	#4 - 2/0	HBL300MO	HBL300FO
300	Brown	#4 - 2/0	HBL300MBN	HBL300FBN
400	Black	2/0 - 4/0	HBL400MBK	HBL400FBK
400	White	2/0 - 4/0	HBL400MW	HBL400FW
400	Red	2/0 - 4/0	HBL400MR	HBL400FR
400	Blue	2/0 - 4/0	HBL400MBL	HBL400FBL
400	Green	2/0 - 4/0	HBL400MGN	HBL400FGN
400	Yellow	2/0 - 4/0	HBL400MY	HBL400FY
400	Orange	2/0 - 4/0	HBL400MO	HBL400FO
400	Brown	2/0 - 4/0	HBL400MBN	HBL400FBN

HBL400MBK

HBL400FBK

HBLMRSR

Panel Mount Receptacles; Stud Type
Mates with 300 and 400 Amp Plugs

| Amp | Color | Through Hole Mounting | | Threaded Mounting Holes | |
		Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
400	Black	HBLMRSBK	HBLFRSBK	HBLMRSCBK	HBLFRSCBK
400	White	HBLMRSW	HBLFRSW	HBLMRSCW	HBLFRSCW
400	Red	HBLMRSR	HBLFRSR	HBLMRSCR	HBLFRSCR
400	Blue	HBLMRSBL	HBLFRSBL	HBLMRSCBL	HBLFRSCBL
400	Green	HBLMRSGN	HBLFRSGN	HBLMRSCGN	HBLFRSCGN
400	Yellow	HBLMRSY	HBLFRSY	HBLMRSCY	HBLFRSCY
400	Orange	HBLMRSO	HBLFRSO	HBLMRSCO	HBLFRSCO
400	Brown	HBLMRSBN	HBLFRSBN	HBLMRSCBN	HBLFRSCBN

HBLFRSBL

HBLMRBK

Panel Mount Receptacles; Double Set Screw
Mates with 300 and 400 Amp Plugs

Amp	Color	Cable Size	Male Receptacles	Female Receptacles
400	Black	#4 - 4/0	HBLMRBK	HBLFRBK
400	White	#4 - 4/0	HBLMRW	HBLFRW
400	Red	#4 - 4/0	HBLMRR	HBLFRR
400	Blue	#4 - 4/0	HBLMRBL	HBLFRBL
400	Green	#4 - 4/0	HBLMRGN	HBLFRGN
400	Yellow	#4 - 4/0	HBLMRY	HBLFRY
400	Orange	#4 - 4/0	HBLMRO	HBLFRO
400	Brown	#4 - 4/0	HBLMRBN	HBLFRBN

HBLFRO

HBLFCAPBK

Protective Caps
Fits 300 and 400 Amp Devices

Color	Fits Male Devices	Fits Female Devices
Black	HBLMCAPBK	HBLFCAPBK
White	HBLMCAPW	HBLFCAPW
Red	HBLMCAPR	HBLFCAPR
Blue	HBLMCAPBL	HBLFCAPBL
Green	HBLMCAPGN	HBLFCAPGN
Yellow	HBLMCAPY	HBLFCAPY
Orange	HBLMCAPO	HBLFCAPO
Brown	HBLMCAPBN	HBLFCAPBN

HBLMCAPBK

Single Pole Devices
300 and 400 Ampere, 600V AC/250V DC
"T's", Tri-Taps and Distribution Block

HBLTBN

Tapping "T" (Female-Female-Male)

Color	Catalog Numbers
Black	**HBLTBK**
White	**HBLTW**
Red	**HBLTR**
Blue	**HBLTBL**
Green	**HBLTGN**
Yellow	**HBLTY**
Orange	**HBLTO**
Brown	**HBLTBN**

HBLPTY

Paralleling "T" (Female-Male-Male)

Color	Catalog Numbers
Black	**HBLPTBK**
White	**HBLPTW**
Red	**HBLPTR**
Blue	**HBLPTBL**
Green	**HBLPTGN**
Yellow	**HBLPTY**
Orange	**HBLPTO**
Brown	**HBLPTBN**

HBLM3FBK

Tri-Tap (Male-Female-Female-Female)

Color	Catalog Numbers
Black	**HBLM3FBK**
White	**HBLM3FW**
Red	**HBLM3FR**
Blue	**HBLM3FBL**
Green	**HBLM3FGN**
Yellow	**HBLM3FY**
Orange	**HBLM3FO**
Brown	**HBLM3FBN**

HBLF3MR

Tri-Tap (Female-Male-Male-Male)

Color	Catalog Numbers
Black	**HBLF3MBK**
White	**HBLF3MW**
Red	**HBLF3MR**
Blue	**HBLF3MBL**
Green	**HBLF3MGN**
Yellow	**HBLF3MY**
Orange	**HBLF3MO**
Brown	**HBLF3MBN**

HBL7DBGN

Distribution Block (1-Male, 6-Females)

Color	Catalog Numbers
Black	**HBL7DBBK**
White	**HBL7DBW**
Red	**HBL7DBR**
Blue	**HBL7DBBL**
Green	**HBL7DBGN**
Yellow	**HBL7DBY**
Orange	**HBL7DBO**
Brown	**HBL7DBBN**

Single Pole Devices
300 and 400 Ampere, 600V AC/250V DC
Double Devices, Snap Back Cover and Accessories

Double Male (Male-Male)

Color	Catalog Numbers
Black	**HBLDMBK**
White	**HBLDMW**
Red	**HBLDMR**
Blue	**HBLDMBL**
Green	**HBLDMGN**
Yellow	**HBLDMY**
Orange	**HBLDMO**
Brown	**HBLDMBN**

HBLDMBL

Double Female (Female-Female)

Color	Catalog Numbers
Black	**HBLDFBK**
White	**HBLDFW**
Red	**HBLDFR**
Blue	**HBLDFBL**
Green	**HBLDFGN**
Yellow	**HBLDFY**
Orange	**HBLDFO**
Brown	**HBLDFBN**

HBLDFBK

Snap Back Cover

Color	Use with Receptacles with Through Hole Mounting	Use with Receptacles with Threaded Mounting Holes
Black	**HBLSCBK**	**HBLSCCBK**
White	**HBLSCW**	**HBLSCCW**
Red	**HBLSCR**	**HBLSCCR**
Blue	**HBLSCBL**	**HBLSCCBL**
Green	**HBLSCGN**	**HBLSCCGN**
Yellow	**HBLSCY**	**HBLSCCY**
Orange	**HBLSCO**	**HBLSCCO**
Brown	**HBLSCBN**	**HBLSCCBN**

HBLSCW

Replacement Parts

Color	Male Body	Female Body
Black	**HBLMBBK**	**HBLFBBK**
White	**HBLMBW**	**HBLFBW**
Red	**HBLMBR**	**HBLFBR**
Blue	**HBLMBBL**	**HBLFBBL**
Green	**HBLMBGN**	**HBLFBGN**
Yellow	**HBLMBY**	**HBLFBY**
Orange	**HBLMBO**	**HBLFBO**
Brown	**HBLMBBN**	**HBLFBBN**

HBLFBBK

Size	Male Pin	Female Sleeve
Contact, 300 Amp	**HBL300RCM**	**HBL300RCF**
Contact, 400 Amp	**HBL400RCM**	**HBL400RCF**

Accessory Kit	Male or Female Plugs
(Retaining Screw, Copper Foil, Terminal Screws & Wire)	**HBLPK**

HBLPK

Single Pole Devices
300 and 400 Ampere, 600V AC/250V DC
Specifications and Dimensions

Specifications

Electrical

Voltage Ratings	600V AC Maximum.
	250V DC Maximum.
Amperage Rating	400A Maximum.

Mechanical

Terminal Accommodation	Plug– 300A – #4 to 2/0.
	Plug– 400A – 2/0 to 4/0.
	Recpt.– 400A – #4 to 4/0.
Product Identification	Ratings are a permanent part of device.
Base Compound	Thermoplastic Elastomer (TPE).
Contact Material	Brass.
Retaining Screw Material	Nylon.

Certification / Environmental

UL and cUL Listed.
UL Enclosure Types 3R, 4X, 12K.
Flammability: HB per UL94 or CSA 22.2. 0.17.
UL 498 for attachment plugs and receptacles.
UL 1691 draft standard for single pin and sleeve devices intended for theatre, stage and studio applications.
National Electric Code (NEC), ANSI/NFPA 70.

Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity*
#4	140
#2	190
2/0	300
4/0	405

* 90 Deg. C column NEC Table 400.5(B).

Dimensional Information (in/mm)

Male Plug

A	B	C	D
6.74" (171.2)	1.47" (37.3)	1.48" (37.6)	4.78" (121.4)

Panel Mount Receptacle; ½"-13 UNC Thread Stud

A	B	C	D	E	F	G
2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3) 3.67"* (93.2)	1.48" (37.6)	1.87" (47.4) 1.61"* (40.9)	1.74" (44.2) 1.55"* (39.4)

Mounting holes*

* Receptacles with 10-32 threaded mounting holes.

Tapping Tee

A	B	C
1.48" (37.6)	1.7" (43.3)	4.74" (120.5)

Female Plug

A	B	C	D
6.84" (173.6)	1.44" (36.6)	1.06" (27.0)	4.80" (122.0)

Panel Mount Receptacle; Double Set Screw

A	B	C	D	E
2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)

Single Pin TRI-TAP

A	B	C
5.88" (149.3)	5.78" (146.9)	1.48" (37.6)

Double Male

A	B
4.65" (118.1)	1.48" (37.6)

Double Female

A	B	C
4.84" (122.9)	1.44" (36.6)	1.06" (27.0)

Snap Back Cover

A	B	C
2.26" (57.4)	2.33" (59.2)	1.62" (41.1) 1.44"* (36.6)

* Used with receptacles with threaded mounting holes.

Section G
Industrial Connectivity and Control Products

Index

LINKOSITY®

Control Connectors & Signal-Quick™

DRUB & PANEL-SAFE™

HI-IMPACT™ & CableTrak®

Power Components 20A, 30A Up To 600V

C **UL** US LISTED

Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)

PH = Double Ended Cable - Male/Female Straight
PM = Male Single Ended Straight
PN = Male Single Ended 90°
PF = Female Single Ended Straight
PG = Female Single Ended 90°
PQ = Double Ended Cable with Female 90°
PR = Double Ended Cable with Male 90°
PS = Double Ended Cable with (2) 90° Connectors
 	
RF = Female Receptacle*
 	
RM = Male Receptacle (Inlet)*
	20 = 20A up to 600V	02
		03
		04
		05
			PA = Green/Yellow
			        Black (all others)
			
			PB = Green/Yellow
			        White
			        Black (all others)
			
			**other color codes
			  available upon request
				001 = 1'
				005 = 5'
				010 = 10'
				015 = 15'
				020 = 20'
				025 = 25'
				030 = 30'
				035 = 35'
				040 = 40'
				045 = 45'
				050 = 50'

	23 =	20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices)	03 04 05 06		
	30 = 30A up to 600V	04		

* ½" N.P.T. rear thread.
Example: **PH**   **23**   **06**   **PB**   **005**

Configurations (Male face view shown, female view is opposite)

20 AMP	
20A SNIG **(with super neutral and IG)**	
30 AMP	

Tees

TX2304002304T00

Description	Catalog Numbers
LINKOSITY® M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY® M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY® M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY® M/F/F Tee, 20A, 5P	**TX2005002005T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY® M/F/F Tee, 30A, 4P	**TX3004003004T00**

Closure Caps

CCMBC

Description	Catalog Numbers Female	Male
20A and 30A receptacle closure cap	**CCMBC**	**CCFBC**

Power Components / LINKOSITY®

LINK**O**SITY®

Control Integration Components   3A Up To 300V
10A Up To 600V
Cables and Receptacles

C **UL** US LISTED

Device Type	Ratings		Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable - Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)*	**03** =	3A - 2W, 3W 3A - 4W up to 300V	02 03 04	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **other color codes available upon request	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	R3 =	3A - 2W, 3W 3A - 4W up to 300V	02 03 04		
	10 =	10A - 2W, 3W 10A - 4W 10A - 5W, 6W, 7W 10A - 8W, 9W 7A - 10W, 12W up to 600V	02 03 04 05 06 07 08 09 10 12		

½" N.P.T. rear thread.
Example: **PH**   **10**   **06**   **PB**   **005**

Configurations (Male Face View Shown, Female view is opposite)

03		Typically used for inputs in DC control circuits
R3		Typically used for outputs in DC control circuits
10		

Splitters/Tees

Description	Catalog Numbers
LINKOSITY® M/F/F Splitter, 3A/4W	**TX0304000304T00**
LINKOSITY® M/F/F Tee, 10A, 2 Pole	**TX1002001002T00**
LINKOSITY® M/F/F Tee, 10A, 3 Pole	**TX1003001003T00**
LINKOSITY® M/F/F Tee, 10A, 4 Pole	**TX1004001004T00**
LINKOSITY® M/F/F Tee, 10A, 5 Pole	**TX1005001005T00**
LINKOSITY® M/F/F Tee, 10A, 6 Pole	**TX1006001006T00**

TX1004001004T00

Closure Caps

Description	Female Receptacle	Male Inlet
3A Closure Cap	**CCM1C**	**CCF1C**
10A Closure Cap, 2, 3, 4, 4, 5 and 6 Pole	**CCMAC**	**CCFAC**
10A Closure Cap, 7 and 8 Pole	**CCMBC**	**CCFBC**
10A Closure Cap, 9, 10, 12 Pole	**CCMCC**	**CCFCC**

CCMAC

Multi-Ports

Description	Catalog Numbers Input	Output
LINKOSITY® Multi-Port, 4 Port, PNP	**MPI4PNP**	**MPO4PNP**
LINKOSITY® Multi-Port, 8 Port, PNP	**MPI8PNP**	**MPO8PNP**

MPI8PNP

LINK**O**SITY®

Power System Distribution Assemblies

C UL US LISTED

Device identification marking

Versatile mounting provision

LINKOSITY® connection

Local or master switch

Available with up to 5 receptacles
Wide variety of NEMA 5-20 receptacle grades

Power pass thru option

16 gauge sheet metal enclosure
ANSI 61 gray powder coat NEMA 1 or 3R versions

Straight Blade - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru
M	SL = Switch Local SM = Switch Master 00 = No Switch	1 2 3 4 5	SG = Spec Grade HG = Hospital Grade CR = Corrosion Resistant	IG = Isolated Ground GF = Ground Fault SI = Surge Suppression w/ Isolated Ground SS = Surge Suppression 00 = Standard	P = Pass-thru 0 = No Pass-thru
Example: M	SL	1	SG	00	P

Twist-Lock® - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru
M	SL = Switch Local SM = Switch Master 00 = No Switch	1 2 3 4 5	L1 = 15A	IG = Isolated Ground 00 = Standard	P = Pass-thru 0 = No Pass-thru
Example: M	00	3	L1	IG	0

*Note: Local switches control all receptacles in a box. Master switches control local and downstream receptacles.
Consult factory for alternate wiring schemes.*

Switch Only (On/Off) - UL Type 1

Device Type	Switch Types	Switch Style	Poles
S	1 = 1 Gang 2 = 2 Gang 3 = 3 Gang	2W = On/Off	1P = Single Pole 2P = Two Pole
Example: S	1	2W	1P

Switch Only (4-Way) - UL Type 1

Device Type	Switch Types	Switch Style
S	1 = 1 Gang	4W = 4 Way
Example: S	1	4W

Switch Only (3-Way) - UL Type 1

Device Type	Switch Types	Switch Style	Position
S	1 = 1 Gang	3W = 3 Way	M = Main R = Remote LM = Line to Main LR = Load to Remote
Example: S	1	3W	M

Features

Receptacle Types		CR	HG	SG	L1
00	Standard	HBL53CM62	HBL8300GY	CR5362GY	HBL4700
IG	Isolated Ground	—	IG8300GY	CR5362IGGY	IG4700A
GF	Ground Fault	—	GFR8300GYTR	GF20GYLA	—
SI	Surge Suppression with Isolated Ground	—	IG8362GYSA	IG5362GYSA	—
SS	Surge Suppression	—	HBL8362GYSA	HBL5362GYSA	—

Switch Types		CR
SL	Local On/Off	HBL1221PL
SM	Master On/Off	HBL1221PL

LINKOSITY®
Power System Distribution Assemblies

C**UL**US LISTED

LINKOSITY® FEED - UL Type 3R Rated*

3R Rated Standard Items

Description	Catalog Numbers
20A 125V Ground Fault	M3R002SGGF0
20A 125V Switched, Spec Grade	M3RSL1SG000
20A 125V Switched, Ground Fault	M3RSL1SGGF0
20A 125V Spec Grade	M3R002SG000
20A 125V Ground Fault, Pass-Thru	M3R002SGGFP
20A 125V Switched, Spec Grade, Pass-Thru	M3RSL1SG00P
20A 125V Switched, Ground Fault Pass-Thru	M3RSL1SGGFP
Spec Grade, Pass-Thru	M3R002SG00P

* When Not In Use Only.

Device Type	Style	Type	No. of Devices	Device Type	Device Feature	Pass-Thru
M	3R - 3R Lids 3D - 3R Deep Cover	SL - Switch Local SM - Switch Master 00 - None	1 2	SG - Spec Grade HG - Hospital Grade CR - Corrosion Resistant L1 - 15A Locking	IG - Isolated Ground GF - Ground Fault SI - Surge/IG SS - Surge 00 - Standard	P - Pass-Thru 0 - No Pass-Thru

LINKOSITY® FEED - UL Type 4X Rated*

4X Rated NEMA Standard Items

Description	Catalog Numbers
20A 125V Straight Blade	MLWF2010
20A 125V WTSSTL	MLWF2020
20A 125V Straight Blade, Pass-Thru	MLWF201P
20A 125V WTSSTL, Pass-Thru	MLWF202P

Note: WTSSTL is an abbreviation for Watertight Safety-Shroud™ Twist-Lock®.

* Watertight Safety-Shroud Twist-Lock Plug Required When In Use.

Device Type	Style	Type	No. of Devices	Device Type	Pass-Thru
M	L - LINKOSITY	WF - Watertight Safety-Shroud Receptacle WM - Watertight Safety-Shroud Inlet	2	01 - 20A 125V Straight Blade 02 - 20A 125V Twist-Lock 03 - 20A 250V Twist-Lock 04 - 20A 277V Twist-Lock 05 - 30A 125V Twist-Lock 06 - 30A 250V Twist-Lock 07 - 20A 125/250V Twist-Lock 08 - 20A 3Ø 250V Twist-Lock 09 - 20A 3Ø 480V Twist-Lock 10 - 30A125/250V Twist-Lock 11 - 30A 3Ø 250V Twist-Lock 12 - 30A 3Ø 480V Twist-Lock 13 - 30A 3Ø 600V Twist-Lock	P - Pass-Thru 0 - No Pass-Thru

ALL LINKOSITY® - UL Type 4X Rated*

4X Rated LINKOSITY Standard Items

Description	Catalog Numbers
20A 3W up to 600V, 4 Port	M4L2003PB0
20A 3W up to 600V, 4 Port Pass-Thru	M4L2003PBP

*Closure Cap Required When Not In Use.

Device Type	Style	Type	No. of Poles	Conductor Colors	Pass - Thru
M	4L - LINKOSITY	20 - 20A 23 - 20A Super Neutral Isolated Ground 30 - 30A	02 03 04 05 03 04 05 06 04	PA - Green/Yellow Black (all others) PB - Green/Yellow White Black (all others)	P - Pass-Thru 0 - No Pass-Thru

CONDUIT FEED - UL Type 4X Rated*

Conduit Feed Standard Items

Description	Catalog Numbers
20A 125V Straight Blade	MCWF2010
20A 125V WTSSTL	MCWF2020
20A 250V WTSSTL	MCWF2030
20A 277V WTSSTL	MCWF2040
30A 125V WTSSTL	MCWF2050
30A 250V WTSSTL	MCWF2060
20A 125/250V WTSSTL	MCWF2070
20A 3Ø, 250V WTSSTL	MCWF2080
20A 3Ø, 480V WTSSTL	MCWF2090
30A 125/250V WTSSTL	MCWF2100
30A 3Ø 250V WTSSTL	MCWF2110
30A 3Ø 480V WTSSTL	MCWF2120
30A 3Ø 600V WTSSTL	MCWF2130

Note: WTSSTL is an abbreviation for Watertight Safety-Shroud™ Twist-Lock®.

* Watertight Safety-Shroud™ Twist-Lock® Plug Required When In Use.

Device Type	Style	Type	No. of Devices	NEMA Device Type	Pass-Thru
M	C - Conduit Feed	WF - Watertight Safety-Shroud Receptacles WM - Watertight Safety-Shroud Inlet	2	01 - 20A 125V Straight Blade 02 - 20A 125V Twist-Lock 03 - 20A 250V Twist-Lock 04 - 20A 277V Twist-Lock 05 - 30A 125V Twist-Lock 06 - 30A 250V Twist-Lock 07 - 20A 125/250V Twist-Lock 08 - 20A 3Ø 250V Twist-Lock 09 - 20A 3Ø 480V Twist-Lock 10 - 30A125/250V Twist-Lock 11 - 30A 3Ø 250V Twist-Lock 12 - 30A 3Ø 480V Twist-Lock 13 - 30A 3Ø 600V Twist-Lock	0 - No Pass-Thru

MotorQuick®

Disconnect Switches

C UL US LISTED

Thermoplastic Cover on Plated Steel Base

Lockable Handle to Meet OSHA
Lockout/Tagout Regulations

NEMA 1 Enclosure

Prewired with LINKOSITY® Components

Crush and Impact
Resistance of MC Cable

Cable Ratings:
TC-ER, MTW, STOOW

Type 4X Enclosure

Lockable Handle to Meet OSHA
Lockout/Tagout Regulations

High Impact Valox® Enclosure

HBL1389MQR2

HBL1389MQ5

HBLDS3MQR

HBLDS3MQ5

Ordering Information

Type 1 30A 3 Pole 600V AC	Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side)	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side)	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side)	**HBL1389MQR2**

Type 4X 30A 3 Pole 600V AC	
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side)	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side)	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side)	**HBLDS3MQR2**

Accessories

3P 4W LINKOSITY® male receptacle for installation on motor	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable	**PH3004PA0xx***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable	**PF3004PA0xx***
Cord connector, ¾" NPT .63" – .75" diameter	**SHC1037CR**
Lock-on cover for LINKOSITY® Connections	**PH2030C**

Note: * Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the xx with the required length in feet. (Examples: **PH3004PA005**=5 foot cable, **PH3004PA015**=15 foot cable)

Sample Set Up

(1) **HBLDS3MQR**   +   (1) **PH3004PAxxx**   +   (1) **RM3004PA001**   =   **Total Set Up****

+   **+**   **=**

Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

LINKOSITY®
Power System Supply Assemblies

Features

- Shielded
- Super neutral
- K factor 20, copper wound
- Surge Suppression
- Branch circuit protection
- Integral bonding
- Open or enclosed NEMA 1 and 3R designs
- Floor mount

Transformer primary protection and disconnect

Grounding conductor electrode provision

Branch circuit protection

LINKOSITY® connections

Power System Supply Assemblies

KVA	Phase	Input	Cycles	Branch Circut Output	Circuits	Mounting	Catalog Number
15	3-ph	575/480/400VAC	50/60 Hz	20A 208/120 VAC	3	Floor	**P150CUNV208F**

Note: Additional custom configurations are possible. Consult factory for wall or rack mount options.

LINKOSITY® Specifications

Certifications

System Level	ETL Classified to NEC
Component Assemblies	
PSDA	UL Listed
PSSA	Listed to UL508A
Connecting Components	Listed to UL2238 and UL 50
Cable (Up to 22AWG)	UL 300V Type ITC/PLTC 105ºC
Cable (16AWG and Up)	UL 600V Type TC-ER, MTW 90ºC or STOOW 600V 105ºC

Performance

Electrical

Voltage	Up to 600V AC
Amperage	Up to 30A

Enviromental

Connectivity System Components

Moisture Resistance	UL Type 4, 4X, 12 and 13
Ingress Protection	IP67 Suitability
Flammability	UL94HB Cables/UL94V-0 receptacles

Power System Distribution Assemblies

Moisture Resistance	NEMA Type 1, Type 3R, Type 4X

Power System Supply Assemblies

Moisture Resistance	NEMA Type 3R

Mini-Quick® Control Connectors
Features and Benefits

Gated Strain Relief with Graduated Window Sizes
Improved flexibility and strength protects wire terminations;
Superior arc of bend control.

Hard Gold Over Palladium Nickel Contact Plating
Superior conductivity, extended contact life.

O-Rings
Moisture protection.

Anti-Vibration Coupling Nut
Prevents coupling nut from loosening
under harsh vibration conditions.

Leaded Nickel Copper Sleeved Contact
Extended contact life and continuity.

Indicator Ring
Ensures proper mating.

Features

- Nickel plated brass coupling nuts and receptacle shells.
- Black overmold and cable.
- Insulgrip connector body design.
- UL Listed cable assemblies and receptacles.
- Plating resists corrosion in high abuse environments.

Benefits

- Cable assembly resists dirt and blends with environment giving a clean look to the installation.
- Ergonomic connector body has an industrial look.
- Third party certified for electrical, mechanical and environmental performance.

Material Specifications

Insulator Materials	Nylon 6/6, White	Cable	#16 AWG STOOW - PVC jacket, Black, PVC conductor insulation, Stranding - 65/34
Contact Materials	Pins - Brass, Sockets Leaded nickel copper w/ stainless steel sleeve		#16 AWG SEOOW - TPE jacket, Black, PVC conductor insulation, Stranding - 65/34
Contact Plating	Hard gold over palladium/nickel		#18 AWG STOOW - PVC jacket, Black, PVC conductor insulation, Stranding - 41/34
Overmold Material	Polyurethane, Black		#18 AWM2661 - PVC jacket, Black, PVC conductor insulation, Stranding - 41/34
Coupling Nut, Metallic	Nickel plated brass		
Coupling Nut, Nylon	Nylon 6/6, Black	Strain Relief	#16 AWG and #18 AWG - 30 pounds min per UL2238
Receptacle Shell	Nickel plated brass		
Receptacle Shell, Nylon	Nylon 6/6, Black		
Receptacle Shell, Right Angle	Nickel plated zinc alloy die cast		

Electrical Specifications

Voltage Rating	600VDC/600VAC
Amperage	#16 AWG - 2&3P=15A, 4P=12A, 5&6P=10A 7P=10A, 8&9P=9A, 10&12P=8A #18 AWG - 2&3P=11A, 4P=8A, 5&6P=7A
Contact Resistance	$\leq$ 5 mΩ
Isolation Resistance	$\geq$ 1000 MΩ

Environmental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP67 Suitability
Operating Temperature	STOOW and AWM2661 cables: -20°C to 105° C SEOOW cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD-1344, Method 2005

Certifications

UL 2238 and UL50, File No. E192071

CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94

Mini-Quick® Control Connectors
2 - 6 Pole Plugs

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **HCMA05212** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (ft)
HC = Plug, Female **HP** = Plug, Male **HI** = Plug, Male Inline◆ **HE** = Male/Female Extension Cable◆ **HJ** = Male/Female Jumper Cable	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	02 03 04 05 06	**1** = #16 AWG STOOW Cable **2** = #16 AWG SEOOW Cable* **3** = #18 AWM2661 IEC Cable* **4** = #18 AWG STOOW Cable *3 - 5 Pole Only*	****** 03 06 12 20 *** Replace w / Length*
↓	↓	↓	↓	↓	↓
HC	**M**	**A**	**05**	**2**	**12**

Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.
◆ Available with metallic coupling nut only.

2 - 6 Pole Plugs

Catalog numbers using #16 AWG STOOW cable are listed below.   For #16 AWG SEOOW, #18 AWG STOOW or #18 AWM2661 IEC cable, change the conductor type per the **Hubbell Logic** chart above.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs		Male Plugs		Male/Female Jumper Cables
			Straight	Right Angle	Straight	Right Angle	Straight
2		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths⌃	HCMS02103 HCMS02106 HCMS02112 HCMS021**	HCMA02103 HCMA02106 HCMA02112 HCMA021**	HPMS02103 HPMS02106 HPMS02112 HPMS021**	HPMA02103 HPMA02106 HPMA02112 HPMA021**	HJMS02103 HJMS02106 HJMS02112 HJMS021**
3		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths⌃	HCMS03103 HCMS03106 HCMS03112 HCMS031**	HCMA03103 HCMA03106 HCMA03112 HCMA031**	HPMS03103 HPMS03106 HPMS03112 HPMS031**	HPMA03103 HPMA03106 HPMA03112 HPMA031**	HJMS03103 HJMS03106 HJMS03112 HJMS031**
4		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths⌃	HCMS04103 HCMS04106 HCMS04112 HCMS041**	HCMA04103 HCMA04106 HCMA04112 HCMA041**	HPMS04103 HPMS04106 HPMS04112 HPMS041**	HPMA04103 HPMA04106 HPMA04112 HPMA041**	HJMS04103 HJMS04106 HJMS04112 HJMS041**
5		3 ft (0.91m) 6 ft (1.83m) 12 ft/3.66m) All other lengths⌃	HCMS05103 HCMS05106 HCMS05112 HCMS051**	HCMA05103 HCMA05106 HCMA05112 HCMA051**	HPMS05103 HPMS05106 HPMS05112 HPMS051**	HPMA05103 HPMA05106 HPMA05112 HPMA051**	HJMS05103 HJMS05106 HJMS05112 HJMS051**
6		3 ft/0.91m) 6 ft/1.83m) 12 ft/3.66m) All other lengths⌃	HCMS06103 HCMS06106 HCMS06112 HCMS061**	HCMA06103 HCMA06106 HCMA06112 HCMA061**	HPMS06103 HPMS06106 HPMS06112 HPMS061**	HPMA06103 HPMA06106 HPMA06112 HPMA061**	HJMS06103 HJMS06106 HJMS06112 HJMS061**

⌃ *Replace ** with length required in feet. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.*
   *Example: change HP**M**A05106 to HP**N**A05106.*

Mini-Quick® Control Connectors
2 - 6 Pole Plugs

Straight Plug

	MALE	FEMALE
A	0.99" (25.2)	0.99 (25.2)
B	2.44" (62.0)	2.40 (61.0)
C	2.75" (69.9)	2.75 (69.9)

Right Angle Plug

	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.14" (54.4)	2.14" (54.4)
C	2.75" (69.9)	2.75" (69.9)
D	1.03" (26.2)	1.03" (26.2)
E	1.64" (40.6)	1.60" (40.6)

Inline Plug

	MALE
A	0.99" (25.2)
B	2.47" (62.8)
C	2.75" (69.9)

Right Angle version also available.

Accessories

Closure caps protect plugs and receptacles when not in use. Adapter rings allow the mating of male and female plugs for in-line applications. Shell size is 1, and the thread is 7/8-16 UN.

Description	Catalog Number
Closure Cap	**HPCAP1**

6.00" (152.4)
0.56" (14.2)
1.12" (28.5)

Closure Cap	**HRCAP1**

6.00" (152.4)
0.58" (14.7)
1.13" (28.6)

Adapter Ring	**HMQAR1**

0.48" (12.3)
1.00" (25.4)

Jumper Cable

7/8 - 16 UN Thread   7/8 - 16 UN Thread

	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.44" (62.0)	2.40" (61.0)

Male/Female Extension Cable

7/8 - 16 UN Thread   7/8 - 16 UN Thread

	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.47" (62.7)	2.40" (61.0)

Cable Diameters By Cable Type

Number of Conductors	#16 AWG STOOW	#18 AWG STOOW
2	0.37" (9.4)	0.37" (9.4)
3	0.42" (10.7)	0.37" (9.4)
4	0.42" (10.7)	0.42" (10.7)
5	0.50" (12.7)	0.50" (12.7)
6	0.52" (13.2)	0.50" (12.7)

Number of Conductors	#16 AWG SEOOW	#18 AWM2661 IEC
3	0.42" (10.7)	0.26" (6.6)
4	0.42" (10.7)	0.26" (6.6)
5	0.50" (12.7)	0.26" (6.6)

Conductor Color Code

#16 AWG STOOW Plugs

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	White	Green	Black	White	White
2	Black	Black	White	Red	Red
3		White	Red	Green	Green
4			Green	Orange	Orange
5				Black	Black
6					Blue

#16 AWG SEOOW Plugs

Contact Number	3 Pole	4 Pole	5 Pole
1	Green	Red/Black	Red/White
2	Red/Black	Red/White	Red
3	Red/White	Red	Green
4		Green	Red/Orange
5			Red/Black

#18 AWG STOOW Plugs

Contact Number	3 Pole	4 Pole	5 Pole
1	Green	Black	White
2	Black	White	Red
3	White	Red	Green
4		Green	Orange
5			Black

#18 AWM 2661 IEC

Contact Number	3 Pole	4 Pole	5 Pole
1	Yellow/Green	Black	Black
2	Brown	Blue	Blue
3	Blue	Brown	Yellow/Green
4		White	Brown
5			White

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Mini-Quick® Control Connectors
2 - 6 Pole Receptacles

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **HBMS05501** is derived as follows:

DEVICE TYPE	SHELL MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	LEAD WIRE LENGTH (ft)
HR = Receptacle, Female **HB** = Receptacle, Male	**M** = Metallic **N** = Nylon	**A** = Right Angle* **S** = Straight **F** = Flange Mount* * Metallic Only	02 03 04 05 06	**5** = #16 AWG Discrete Wire **6** = #18 AWG IEC Discrete Wire (IEC colors)* * 3 - 5 Pole Only	01* ** *1 Standard Length ** Replace w / Length
↓	↓	↓	↓	↓	↓
HB	**M**	**S**	**05**	**5**	**01**

Availability of specific items may vary. Consult factory for delivery. Use this chart to build receptacles to meet any application need. Consult the factory for additional wire lengths or wire types.

2 - 6 Pole Receptacles

#16 AWG Discrete Wire◆

Poles	Male Face Shown Female - mirror image	Female Receptacle				Male Receptacle			
		Straight	Nylon	Right Angle	Flange Mount	Straight	Nylon	Right Angle	Flange Mount
2		HRMS02501	HRNS02501	HRMA02501	HRMF02501	HBMS02501	HBNS02501	HBMA02501	HBMF02501
3		HRMS03501	HRNS03501	HRMA03501	HRMF03501	HBMS03501	HBNS03501	HBMA03501	HBMF03501
4		HRMS04501	HRNS04501	HRMA04501	HRMF04501	HBMS04501	HBNS04501	HBMA04501	HBMF04501
5		HRMS05501	HRNS05501	HRMA05501	HRMF05501	HBMS05501	HBNS05501	HBMA05501	HBMF05501
6		HRMS06501	HRNS06501	HRMA06501	HRMF06501	HBMS06501	HBNS06501	HBMA06501	HBMF06501

◆ *For #18 AWG IEC discrete wire, change the conductor type using the Hubbell Logic chart above.*

Mini-Quick® Control Connectors
2 - 6 Pole Receptacles

Straight Receptacles

	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.11" (28.2)	1.11" (28.2)
C	0.44" (11.2)	0.44" (11.2)
D	12.0" (304.8)	12.0" (304.8)
F	0.88" (22.4)	0.83" (22.4)
G	0.25" (6.4)	0.25" (6.4)

7/8 - 16 UN Thread

½" NPT Thread*

Panel cutout

G Max panel thickness

*IEC receptacle has PG13.5 rear thread.

Right Angle Receptacles

7/8 - 16 UN Thread

½" NPT Thread

	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.76" (44.7)	1.76" (44.7)
C	0.25" (6.4)	0.25" (6.4)
D	12.0" (304.8)	12.0" (304.8)
E	0.97" (24.6)	0.97" (24.6)
F	0.83" (21.8)	0.83" (21.8)
G	1.36" (34.5)	1.36" (34.5)
H	1.26" (32.0)	1.26" (32.0)

Color Code By Wire Type

#16 AWG Receptacles

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	White	Green	Black	White	White
2	Black	Black	White	Red	Red
3		White	Red	Green	Green
4			Green	Orange	Orange
5				Black	Black
6					Blue

#18 AWG Receptacles

Contact Number	3 Pole	4 Pole	5 Pole
1	Yellow/Green	Black	Black
2	Brown	Blue	Blue
3	Blue	Brown	Yellow/Green
4		White	Brown
5			White

Flange Mount Receptacles

	MALE	FEMALE
A	1.25" (31.75)	1.25" (31.75)
B	1.11" (28.19)	1.11" (28.19)
C	0.44" (11.18)	0.44" (11.18)
D	12.0" (304.8)	12.0" (304.8)
F	0.75" (19.05)	0.75" (19.05)
G	0.86" (21.84)	0.86" (21.84)
H	0.45" (11.43)	0.45" (11.43)
I	0.12" (03.02)	0.12" (03.02)

7/8 - 16 UN Thread

Accessories

Closure caps protect plugs and receptacles when not in use. Shell size is 1, and the thread is 7/8-16 UN.

Description	Catalog Number	
Closure Cap	HPCAP1	
Closure Cap	HRCAP1	

HPCAP1: 6.00" (152.4), 0.56" (14.2), 1.12" (28.5)

HRCAP1: 6.00" (152.4), 0.58" (14.7), 1.13" (28.6)

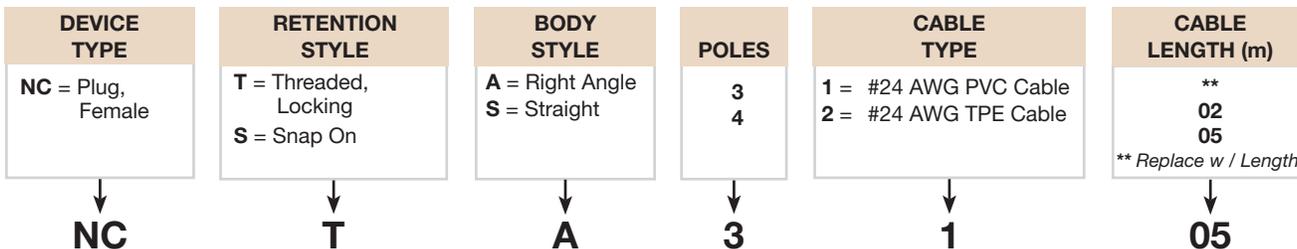## Mini-Quick® Control Connectors
7 - 12 Pole Plugs

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **HCMA08112** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (ft)
HC = Plug, Female **HP** = Plug, Male **HJ** = Male/Female Jumper Cable	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	07 08 09 10 12	**1** = #16 AWG STOOW Cable	****** 03 06 12 20 *** Replace w / Length*
↓	↓	↓	↓	↓	↓
HC	**M**	**A**	**08**	**1**	**12**

Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

7 - 12 Pole Plugs

Catalog numbers using #16 AWG STOOW cable are listed below.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs		Male Plugs		Male/Female Jumper Cables
			Straight	Right Angle	Straight	Right Angle	Straight
7		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths⬈	HCMS07103 HCMS07106 HCMS07112 HCMS071**	HCMA07103 HCMA07106 HCMA07112 HCMA071**	HPMS07103 HPMS07106 HPMS07112 HPMS071**	HPMA07103 HPMA07106 HPMA07112 HPMA071**	HJMS07103 HJMS07106 HJMS07112 HJMS071**
8		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths⬈	HCMS08103 HCMS08106 HCMS08112 HCMS081**	HCMA08103 HCMA08106 HCMA08112 HCMA081**	HPMS08103 HPMS08106 HPMS08112 HPMS081**	HPMA08103 HPMA08106 HPMA08112 HPMA081**	HJMS08103 HJMS08106 HJMS08112 HJMS081**
9		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths⬈	HCMS09103 HCMS09106 HCMS09112 HCMS091**	HCMA09103 HCMA09106 HCMA09112 HCMA091**	HPMS09103 HPMS09106 HPMS09112 HPMS091**	HPMA09103 HPMA09106 HPMA09112 HPMA091**	HJMS09103 HJMS09106 HJMS09112 HJMS091**
10		3 ft (0.91m) 6 ft (1.83m) 12 ft/3.66m) All other lengths⬈	HCMS10103 HCMS10106 HCMS10112 HCMS101**	HCMA10103 HCMA10106 HCMA10112 HCMA101**	HPMS10103 HPMS10106 HPMS10112 HPMS101**	HPMA10103 HPMA10106 HPMA10112 HPMA101**	HJMS10103 HJMS10106 HJMS10112 HJMS101**
12		3 ft/0.91m) 6 ft/1.83m) 12 ft/3.66m) All other lengths⬈	HCMS12103 HCMS12106 HCMS12112 HCMS121**	HCMA12103 HCMA12106 HCMA12112 HCMA121**	HPMS12103 HPMS12106 HPMS12112 HPMS121**	HPMA12103 HPMA12106 HPMA12112 HPMA121**	HJMS12103 HJMS12106 HJMS12112 HJMS121**

⬈ *Replace ** with length required in feet. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.*
  *Example: change HP**M**A07106 to HP**N**A07106.*

Mini-Quick® Control Connectors
7 - 12 Pole Plugs

Straight Plug

7 - 8 Pole

	MALE	FEMALE
A	1.12" (28.5)	1.12" (28.5)
B	2.53" (64.3)	2.49" (63.3)
C	2.75" (69.9)	2.75" (69.9)
D	1 - 16 UN Thread	

9 - 12 Pole

	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	2.77" (70.4)	2.73" (69.3)
C	2.75" (69.9)	2.75" (69.9)
D	1 1/8 - 16 UN Thread	

Right Angle Plug

7 - 8 Pole

	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.73" (43.9)	1.69" (42.9)
C	1.12" (28.5)	1.12" (28.5)
D	2.22" (56.4)	2.22" (56.4)
E	2.75" (69.9)	2.75" (69.9)
F	1 - 16 UN Thread	

9 - 12 Pole

	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	1.84" (47.0)	1.80" (45.7)
C	1.25" (31.8)	1.25" (31.8)
D	2.54" (64.5)	2.54" (64.5)
E	2.75" (69.9)	2.75" (69.9)
F	1 1/8 - 16 UN Thread	

Jumper Cable

7 - 8 Pole

	MALE	FEMALE
A	1.12" (28.5)	1.12" (28.5)
B	2.53" (64.3)	2.49" (63.3)
C	1 - 16 UN Thread	

9 - 12 Pole

	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	2.77" (70.4)	2.73" (69.3)
C	1 1/8 - 16 UN Thread	

Cable Diameters By

Cable Type

Number of Conductors	#16 AWG STOOW
7	0.57" (14.5)
8	0.57" (14.5)
9	0.65" (16.7)
10	0.65" (16.7)
12	0.71" (17.9)

Conductor Color Code

#16 AWG STOOW Plugs

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole	7 Pole	8 Pole	9 Pole	10 Pole	12 Pole
1	White	Green	Black	White	White	White/Black	Orange	Orange	Orange	Orange
2	Black	Black	White	Red	Red	Black	Blue	Blue	Blue	Blue
3		White	Red	Green	Green	White	White/Black	Red/Black	White/Black	White/Black
4			Green	Orange	Orange	Red	Black	Green/Black	Red/Black	Red/Black
5				Black	Black	Orange	White	White	Green/Black	Green/Black
6					Blue	Blue	Red	Red	Orange/Black	Orange/Black
7						Green	Green	Green	Red	Blue/Black
8							Red/Black	White/Black	Green	Black/White
9								Black	Black	Green
10									White	Red
11										White
12										Black

Accessories

Closure caps protect plugs and receptacles when not in use. Adapter rings allow the mating of male and female plugs for in-line applications.

Description	Closure Cap Shell Size	Thread Size	Catalog Number	Closure Cap Shell Size	Thread Size	Catalog Number	Adapter Ring Shell Size	Thread Size	Catalog Number
7 to 8 Pole	II	1 - 16 UN	HPCAP2	II	1 - 16 UN	HRCAP2	II	1 - 16 UN	HMQAR2
9 to 12 Pole	III	1 1/8 - 16UN	HPCAP3	III	1 1/8 - 16UN	HRCAP3	III	1 1/8 - 16UN	HMQAR3
Cap Size	II- 1.12" (28.5), III- 1.25" (31.8)			II- 1.13" (28.6), III- 1.25" (31.8)			II- 1.00" (25.4), III- 1.13" (28.6)		

HUBBELL® **Wiring Device-Kellems** **www.hubbell-wiring.com** *Dimensions in Inches (mm)*

Mini-Quick® Control Connectors
7 - 12 Pole Receptacles

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **HRMS10501** is derived as follows:

DEVICE TYPE	SHELL MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	LEAD WIRE LENGTH (ft)
HR = Receptacle, Female **HB** = Receptacle, Male	**M** = Metallic	**S** = Straight	07 08 09 10 12	**5** = #16 AWG Discrete Wire	**01*** ** *1 Standard Length ** Replace w / Length
HR	**M**	**S**	**10**	**5**	**01**

Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional wire lengths or wire types.

7-12 Pole Receptacles

#16 AWG Discrete Wire

Poles	Male Face Shown Female - mirror image	Female Receptacle	Male Receptacle
7		HRMS07501	HBMS07501
8		HRMS08501	HBMS08501
9		HRMS09501	HBMS09501
10		HRMS10501	HBMS10501
12		HRMS12501	HBMS12501

Mini-Quick® Control Connectors
7 - 12 Pole Receptacles

Straight Receptacles

A

B C D

F Panel cutout

½" NPT Thread

H G Max panel thickness

All dimensions are shown in inches (mm)

7 - 8 Pole

	MALE	FEMALE
A	1.29" (32.8)	1.29" (32.8)
B	1.44" (36.6)	1.44" (36.6)
C	0.80" (20.3)	0.80" (20.3)
D	12.0" (304.8)	12.0" (304.8)
F	0.83" (21.1)	0.83" (21.1)
G	0.25" (6.4)	0.25" (6.4)
H	1 - 16 UN Thread	

Cable Diameters By
Cable Type

Number of Conductors	#16 AWG STOOW
7	0.57" (14.5)
8	0.57" (14.5)
9	0.66" (16.7)
10	0.66" (16.7)
12	0.71" (18.0)

9 - 12 Pole

	MALE	FEMALE
A	1.44" (36.6)	1.44" (36.6)
B	1.62" (41.2)	1.62" (41.2)
C	0.96" (24.4)	0.96" (24.4)
D	12.0" (304.8)	12.0" (304.8)
F	0.83" (21.1)	0.83" (21.1)
G	0.25" (6.4)	0.25" (6.4)
H	1 1/8 - 16 UN Thread	

Conductor Color Code
#16 AWG STOOW Plugs

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole	7 Pole	8 Pole	9 Pole	10 Pole	12 Pole
1	White	Green	Black	White	White	White/Black	Orange	Orange	Orange	Orange
2	Black	Black	White	Red	Red	Black	Blue	Blue	Blue	Blue
3		White	Red	Green	Green	White	White/Black	Red/Black	White/Black	White/Black
4			Green	Orange	Orange	Red	Black	Green/Black	Red/Black	Red/Black
5				Black	Black	Orange	White	White	Green/Black	Green/Black
6					Blue	Blue	Red	Red	Orange/Black	Orange/Black
7						Green	Green	Green	Red	Blue/Black
8							Red/Black	White/Black	Green	Black/White
9								Black	Black	Green
10									White	Red
11										White
12										Black

Accessories

Closure caps protect plugs and receptacles when not in use. Adapter rings allow the mating of male and female plugs for in-line applications.

Description	Closure Cap Shell Size	Thread Size	Catalog Number	Closure Cap Shell Size	Thread Size	Catalog Number	Adapter Ring Shell Size	Thread Size	Catalog Number
7 to 8 Pole	II	1 - 16 UN	**HPCAP2**	II	1 - 16 UN	**HRCAP2**	II	1 - 16 UN	**HMQAR2**
9 to 12 Pole	III	1 1/8 - 16UN	**HPCAP3**	III	1 1/8 - 16UN	**HRCAP3**	III	1 1/8 - 16UN	**HMQAR3**

6.00" (152.4)

0.56" (14.2)

1.12" (28.5)

6.00" (152.4)

0.58" (14.7)

1.13" (28.6)

0.48" (12.3)

1.00" (25.4)

Cap Size	II- 1.12" (28.5), III- 1.25" (31.8)	II- 1.13" (28.6), III- 1.25" (31.8)	II- 1.00" (25.4), III- 1.13" (28.6)

Mini-Quick® Control Connectors
Coil Cord

Coil Cord allows control connector plugs to extend and retract to pre-defined lengths, much like a mechanical spring. Coil cords come standard with 18 AWG polyurethane (PUR) jacketed cable. Consult factory for alternate construction. Simply choose the appropriate configuration from the selector below.

Hubbell Logic Configurator

For example, Catalog Number **HEMS03C045** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	POLES	CABLE TYPE	EXTENDED LENGTH (ft)
HC = Plug, Female **HP** = Plug, Male **HJ** = Male/Female Jumper Cable **HI** = Plug, Male Inline* **HE** = Male/Female Extension*	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	**03** = 3 **04** = 4 **05** = 5	**C**	****** **045** = 4.5* **06** = 6 **12** = 12 **20** = 20 * 045 = 4.5 feet ** Replace w / Length
HE	**M**	**S**	**03**	**C**	**045**

* Available with metallic coupling nut only.

A (Extended)	A (Retracted)
4.5'	9.5"
6.0'	12.5"
12.0'	25.0"
20.0'	41.5"

Consult factory for availability.

Material Specifications

#18 AWG PUR	PUR jacket, black PVC conductor insulation Stranding - 41/34

Cable Diameter

Number of Conductors	Diameter
3	0.24" (6.1)
4	0.26" (6.6)
5	0.28" (7.1)

Color Codes

Wire	Color		Wire	Color		Wire	Color
1	Green		1	Red/Black		1	Red/White
2	Red/Black		2	Red/White		2	Red
3	Red White		3	Red		3	Green
			4	Green		4	Red/Orange
						5	Red/Black

Female face shown, Male- mirror image.

Mini-Quick® Control Connectors
LED Cables

LED Plugs

Mini-Quick plugs are available in straight and right angle versions to aid in visibility of sensor functions in the manufacturing plant. These plugs are available in the 3-pole, 4-wire, 18AWG configurations. The last two alpha numeric digits of each of catalog number gives the assembly length in feet.

Electrical Rating: 6A/120V

Wiring Schematic

Contact #3 — Red/White Wire L1
Green
Red Wire L2
Red
Contact #2 — Red/Black Wire Load
Contact #1 — Green Wire, Ground

1.02" (25.9)
1.60" (40.6)
Ø 0.99" (25.2)

LED Plug

7/8 - 16UN Thread

2.75" (69.9)

Red Lamp
Green Lamp

2.40" (61.0)
2.75" (69.9)
Green Lamp
Ø 0.99" (25.2)
7/8 - 16UN Thread
Red Lamp

Ø 0.99" (25.2)
Ø 0.99" (25.2)
7/8 - 16UN Thread
1.64" (41.7)
1.60" (40.6)
Male Plug
LED Plug

Mini-Quick Right Angle Female LED Plugs

Description	Metallic Catalog Number	Nylon Catalog Number
3-Pole/4-wire, 3 ft.	HCMA03L03	HCNA03L03
3-Pole/4-wire, * ft.	HCMA03L**	HCNA03L**

** User-specified cable lengths.

Conductor Colors

Contact	Color
1	Green - Ground
2	Red/Black - Load
3	Red/White - L1
4	Red - L2

Mini-Quick Straight Female LED Plugs

Description	Metallic Catalog Number	Nylon Catalog Number
3-Pole/4-wire, 3 ft.	HCMS03L03	HCNS03L03
3-Pole/4-wire, * ft.	HCMS03L**	HCNS03L**

** User-specified cable lengths.

Conductor Colors

Contact	Color
1	Green - Ground
2	Red/Black - Load
3	Red/White - L1
4	Red - L2

Mini-Quick LED Jumper Cables

Description	Metallic Catalog Number	Nylon Catalog Number
2 Right Angle	HJMA03L06	HJNA03L06
R/A Male, Straight Female	HJMA03L06A	HJNA03L06A
R/A Female, Straight Male	HJMA03L06B	HJNA03L06B

Mini-Quick® Control Connectors
Field Attachable Connectors - Screw Terminal Style

c(UL)us LISTED

Brass Coupling Nut
Nickel Plated.

Precision Wire Funnels
Eliminate Stray Strands.

Body
High Impact Insulgrip Design.

Patented Gotcha® Ring
Strain Relief Design
to Prevent Wire Damage.

Circuit ID label.

Set Screw
Standard ¹⁄₁₆" Hex for
Easy Terminations.

Superior Contact Design
Utilizing High Performance Material:
Gold Over Palladium Nickel Plating.

		Cable Range	Male Face Shown Female - mirror image ① ② ③	① ④ ② ③	① ⑤ ② ③ ④
	Body				
Female	**Straight**	.24"-.27" (6.1-6.9) .25"-.38" (6.4-9.7) .38"-.50" (9.7-12.7)	HCMS03FA1 HCMS03FA2 HCMS03FA3	HCMS04FA1 HCMS04FA2 HCMS04FA3	HCMS05FA1 HCMS05FA2 HCMS05FA3
	Right Angle	.24"-.27" (6.1-6.9) .25"-.38" (6.4-9.7) .38"-.50" (9.7-12.7)	HCMA03FA1 HCMA03FA2 HCMA03FA3	HCMA04FA1 HCMA04FA2 HCMA04FA3	HCMA05FA1 HCMA05FA2 HCMA05FA3
Male In-Line	**Straight**	.24"-.27" (6.1-6.9) .25"-.38" (6.4-9.7) .38"-.50" (9.7-12.7)	HIMS03FA1 HIMS03FA2 HIMS03FA3	HIMS04FA1 HIMS04FA2 HIMS04FA3	HIMS05FA1 HIMS05FA2 HIMS05FA3
	Right Angle	.24"-.27" (6.1-6.9) .25"-.38" (6.4-9.7) .38"-.50" (9.7-12.7)	HIMA03FA1 HIMA03FA2 HIMA03FA3	HIMA04FA1 HIMA04FA2 HIMA04FA3	HIMA05FA1 HIMA05FA2 HIMA05FA3
Male	**Straight**	.24"-.27" (6.1-6.9) .25"-.38" (6.4-9.7) .38"-.50" (9.7-12.7)	HPMS03FA1 HPMS03FA2 HPMS03FA3	HPMS04FA1 HPMS04FA2 HPMS04FA3	HPMS05FA1 HPMS05FA2 HPMS05FA3
	Right Angle	.24"-.27" (6.1-6.9) .25"-.38" (6.4-9.7) .38"-.50" (9.7-12.7)	HPMA03FA1 HPMA03FA2 HPMA03FA3	HPMA04FA1 HPMA04FA2 HPMA04FA3	HPMA05FA1 HPMA05FA2 HPMA05FA3

Material Specifications

Non-Metallic Materials	PBT, Nylon 6/6
Contact Materials	Pins-Brass, Sockets-Leaded nickel copper w/stainless steel sleeve
Contact Plating	Hard gold over palladium/nickel
Coupling Nut	Nickel plated brass
Gotcha Rings	Nylon 6/6, Natural, yellow, blue and black
Bushings	Rubber, Black
Set Screw	Zinc plated steel

Electrical Specifications

Voltage Rating	600V AC/DC
Wire Range	16AWG max, 18 AWG min.
Cable Diameters	FA1=.24"-.27", FA2=.25"-.38", FA3=.38"-.50"
Amperage	#16 AWG- 3p=11A, 4p= 8A, 5p= 6A #18 AWG- 3p= 8A, 4p= 5A, 5p= 4A
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥1000 MΩ

Environmental Specifications

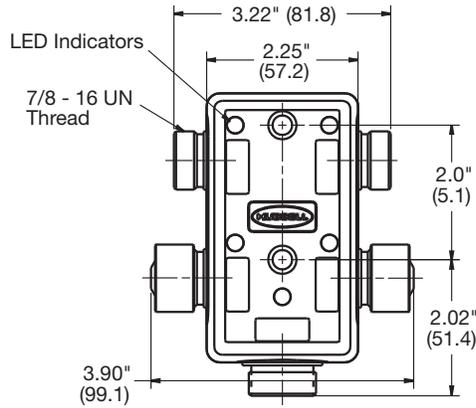|	
Moisture Resistance	UL Type 4, 4X, 12 and 13, IP67 Suitability
Operating Temperature	-20°C to 105°C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10-2,000 Hz @ 15g per MIL-STD-1344, Method 2005

Female, Right Angle
Male, Right Angle

2.34" (59.4)
1.01" (25.7)
FA1= 2.52" (64.0)
FA2= 2.76" (70.1)
FA3= 3.37" (85.6)

Female, Straight
Male, Straight

FA1= 3.09" (78.5)
FA2= 3.64" (92.5)
FA3= 3.46" (87.9)
1.10" (27.9)

Male In-Line, Right Angle

2.42" (61.5)
1.10" (27.9)
FA1= 1.99" (50.5)
FA2= 2.22" (56.4)
FA3= 2.82" (71.6)

Male In-Line, Straight

FA1= 3.17" (80.5)
FA2= 3.56" (90.4)
FA3= 3.71" (94.2)
1.10" (27.9)

Micro-Quick® Control Connectors
Features and Benefits

Hard Gold over Palladium/Nickel Contact Plating
High mating cycles and longer contact life.

Custom Knurled, Anti-vibration Coupling Nut
Prevents loosening under harsh vibration conditions.

Gated Strain Relief with Graduated Window Sizes
Distributes force away from contacts to protect terminations.

Indicator Ring
Ensures proper mating.

O-Rings
Moisture protection.

Resilient Base Metal
Maintains socket contact shape.

Features

- Nickel plated brass coupling nuts and receptacle shells.
- Beryllium copper socket contacts.
- Standard #22 AWG cable 85% copper braid coverage.
- Black overmold and cable.
- Insulgrip connector body design.
- Plating resists corrosion in high abuse environments.

Benefits

- Strong, resilient base metal ensures contacts maintain their shape and continuity over time.
- Cable resists nicks and abrasions and provides shielding when braid is terminated.
- Cable assembly resists dirt and blends with environment giving a clean look to the installation.
- Ergonomic connector body has an industrial look.

Material Specifications

Insulator Materials	Nylon 6/6, White
Contact Materials	Pins - Brass
	Sockets - Beryllium copper
Contact Plating	Hard gold over palladium/nickel
Overmold Material	Glass filled polyurethane, Black
Coupling Nut, Metallic	Nickel plated brass
Coupling Nut, Nylon	Nylon 6/6, Black
Receptacle Shell	Nickel plated brass

Cable #22 AWG - PVC jacket (black), PVC conductor insulation, Copper braid - 85% coverage, Stranding - 19/34
#18 AWG - TPE jacket (black), PVC conductor insulation, Stranding - 41/34
Strain Relief #22 AWG - 20 pounds min per UL2238
#18 AWG - 30 pounds min per UL 2238

Electrical Specifications

Voltage Rating	300VDC/300VAC
Amperage	#22 AWG - 2&3P=5A, 4&5P=4A, 6P=3A
	#18 AWG - 2&3P=8A, 4P=6A, 5P=5A
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ

Environmental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP67 Suitability
Operating Temperature	#22 AWG PVC cable: -20°C to 105° C
	#18 AWG TPE cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD-1344, Method 2005

Certifications

UL 2238 and UL50, File No. E192071   CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94

Micro-Quick® Control Connectors
Single Key 3 - 5 Pole Plugs

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **MCMS1312** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (m)
MC = Plug, Female **MI** = Plug, Male Inline **ME** = Male/Female Extension Cable	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	**1** = Single	**3** **4** **5**	**1** = #22 AWG PVC Cable **2** = #18 AWG TPE Cable* *2 - 4 Pole Only*	****** **2** **4** **5** *** Replace w / Length*
↓	↓	↓	↓	↓	↓	↓
MC	**M**	**S**	**1**	**3**	**1**	**2**

Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

3 - 5 Pole Single Key Plugs

Catalog numbers using #22 AWG PVC cable are listed below.   For #18 AWG TPE cable, change the conductor type per the **Hubbell Logic** chart above.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs Straight	Female Plugs Right Angle	Male In-Line Plugs Straight	Male/Female Extension Cables Right Angle
3	③ ① ④	6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths ↗	MCMS1312 MCMS1314 MCMS1315 MCMS131**	MCMA1312 MCMA1314 MCMA1315 MCMA131**	MIMS1312 MIMS1314 MIMS1315 MIMS131**	MEMS1312 MEMS1314 MEMS1315 MEMS131**
4	② ③ ① ④	6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths ↗	MCMS1412 MCMS1414 MCMS1415 MCMS141**	MCMA1412 MCMA1414 MCMA1415 MCMA141**	MIMS1412 MIMS1414 MIMS1415 MIMS141**	MEMS1412 MEMS1414 MEMS1415 MEMS141**
5	② ③ ⑤ ① ④	6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths ↗	MCMS1512 MCMS1514 MCMS1515 MCMS151**	MCMA1512 MCMA1514 MCMA1515 MCMA151**	MIMS1512 MIMS1514 MIMS1515 MIMS151**	MEMS1512 MEMS1514 MEMS1515 MEMS151**

↗ *Replace ** with length required in meters. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.*
*Example: change MC**M**A1412 to MC**N**A1412.*

Micro-Quick® Control Connectors
Single Key 3 - 5 Pole Plugs
Drawings (in/mm)

Straight Female Plug

M12 x 1 Thread

A	0.59" (15.0)
B	1.83" (46.5)
C	2.75" (69.9)

Right Angle Female Plug

M12 x 1 Thread

A	0.59" (15.0)
B	1.44" (36.6)
C	2.75" (69.9)
D	0.67" (17.0)
E	1.15" (29.2)

Right Male In-Line Plug

M12 x 1 Thread

A	0.59" (15.0)
B	1.44" (36.6)
C	2.75" (69.9)
D	0.67" (17.0)
E	1.38" (35.1)

Straight Male In-Line Plug

M12 x 1 Thread

	MALE
A	0.59" (15.0)
B	2.06" (52.3)
C	2.75" (69.9)

Extension Cable

	FEMALE	MALE
A	0.59" (15.0)	0.59" (15.0)
B	1.83" (46.5)	2.06" (52.3)
C	M12 x 1	

Cable Diameters By Cable Type

Number of Conductors	#22 AWG PVC	#18 AWG TPE
3	0.21" (5.3)	0.24" (6.1)
4	0.22" (5.7)	0.26" (6.6)
5	0.26" (6.6)	0.28" (7.1)

Conductor Color Code

Contact Number	3 Pole	4 Pole	5 Pole
1	Brown	Brown	Brown
2	Not Used	White	White
3	Blue	Blue	Blue
4	Black	Black	Black
5	Not Used	Not Used	Gray

Accessories

Dust Caps
Closure caps protect plugs and receptacles when not in use. Thread is M12 x 1.

Catalog Number	
MRCM1	
MPCM1	

Micro-Quick® Control Connectors
Single Key 3 - 5 Pole Receptacles

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **MRMS13314** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CONDUCTOR TYPE	REAR THREAD STYLE
MR = Receptacle, Female **MB** = Receptacle, Male **MF** = Receptacle, Female Inverse	**M** = Metallic	**S** = Straight	**1** = Single	3 4 5	**3** = #22 AWG PVC Discrete Wire **4** = #18 AWG PVC Discrete Wire* *3 - 4 Pole Only*	**14** = M14x1* **25** = ¼" NPT** **50** = ½" NPT* *MB Style Only* **MF Style Only*
MR	**M**	**S**	**1**	**3**	**3**	**14**

Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

3 - 5 Pole Single Key Receptacles

Catalog numbers using #22 AWG PVC discrete wire are listed below. For #18 AWG PVC discrete wire, change the conductor type per the **Hubbell Logic** chart above.

3 - 5 Pole Single Key Receptacles- #22 AWG Discrete Wire*

Poles	Male Face Shown Female - mirror image	Male Receptacle Rear Thread Style		Female Inverse Receptacles Rear Thread Style
		M14 x 1	½" NPT	¼" NPT
3		MBMS13314	MBMS13350	MFMS13325
4		MBMS14314	MBMS14350	MFMS14325
5		MBMS15314	MBMS15350	MFMS15325

* For 18 AWG discrete wire, replace the conductor type per Hubbell Logic chart above.
All receptacles available in 1ft. length standard. For additional lengths, please consult factory.

Micro-Quick® Control Connectors
Single Key 3 - 5 Pole Receptacles
Drawings (in/mm)

Male Receptacle
Rear Thread - M14x1

- Ø 0.63" (16)
- M12 x 1 Thread
- 0.75" (19.1)
- 0.29" (7.4)
- .050" (1.3) Max panel thickness
- M14 x 1 Thread
- 12" (304.8)
- Ø 0.63" (16) — Panel Cutout

Male Receptacle
Rear Thread - ½" NPT

- 1.0" (25.4)
- 0.87" (22.1)
- M12 x 1 Thread
- 1.0" (25.4)
- 0.46" (11.7)
- .24" (6.1) Max panel thickness
- ½" NPT Thread
- 12" (304.8)
- 0.85" (21.6) — Panel Cutout

Female Inverse Receptacle
Rear Thread - ¼" NPT

- 0.75" (19.1)
- 0.62" (15.8)
- M12 x 1 Thread
- 0.86" (21.8)
- 0.40" (10.2)
- .15" (3.8) Max panel thickness
- ¼" NPT Thread
- 12" (304.8)
- 0.56" (14.2) — Panel Cutout

Conductor Color Code - Single Key

Contact Number	3 Pole	4 Pole	5 Pole
1	Brown	Brown	Brown
2	Not Used	White	White
3	Blue	Blue	Blue
4	Black	Black	Black
5	Not Used	Not Used	Gray

Accessories

Dust Caps
Closure caps protect plugs and receptacles when not in use. Thread is M12 x 1.

Catalog Number	
MRCM1	.125" (3.2) 6" (152.4)
MPCM1	.125" (3.2) 6" (152.4)

Micro-Quick® Control Connectors
Dual Key 2 - 6 Pole Plugs

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **MPMS2512** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (m)
MC = Plug, Female **MP** = Plug, Male **MI** = Plug, Male Inline **ME** = Male/Female Extension Cable	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	**2** = Dual	3 4 5 6	**1** = #22 AWG PVC Cable **2** = #18 AWG TPE Cable* *2 - 5 Pole Only*	****** 2 4 5 *** Replace w / Length*
↓	↓	↓	↓	↓	↓	↓
MP	**M**	**S**	**2**	**5**	**1**	**2**

Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

2 - 6 Pole Dual Key Plugs

Catalog numbers using #22 AWG PVC cable are listed below.   For #18 AWG TPE cable, change the conductor type per the **Hubbell Logic** chart above.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs Straight	Female Plugs Right Angle	Male Plugs Straight	Male Plugs Right Angle	Male Plugs In-line Straight	Male/Female Extension Cables Straight
2		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths▲	**MCMS2212** **MCMS2214** **MCMS2215** **MCMS221****	**MCMA2212** **MCMA2214** **MCMA2215** **MCMA221****	**MPMS2212** **MPMS2214** **MPMS2215** **MPMS221****	**MPMA2212** **MPMA2214** **MPMA2215** **MPMA221****	**MIMS2212** **MIMS2214** **MIMS2215** **MIMS221****	**MEMS2212** **MEMS2214** **MEMS2215** **MEMS221****
3		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths▲	**MCMS2312** **MCMS2314** **MCMS2315** **MCMS231****	**MCMA2312** **MCMA2314** **MCMA2315** **MCMA231****	**MPMS2312** **MPMS2314** **MPMS2315** **MPMS231****	**MPMA2312** **MPMA2314** **MPMA2315** **MPMA231****	**MIMS2312** **MIMS2314** **MIMS2315** **MIMS231****	**MEMS2312** **MEMS2314** **MEMS2315** **MEMS231****
4		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths▲	**MCMS2412** **MCMS2414** **MCMS2415** **MCMS241****	**MCMA2412** **MCMA2414** **MCMA2415** **MCMA241****	**MPMS2412** **MPMS2414** **MPMS2415** **MPMS241****	**MPMA2412** **MPMA2414** **MPMA2415** **MPMA241****	**MIMS2412** **MIMS2414** **MIMS2415** **MIMS241****	**MEMS2412** **MEMS2414** **MEMS2415** **MEMS241****
5		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths▲	**MCMS2512** **MCMS2514** **MCMS2515** **MCMS251****	**MCMA2512** **MCMA2514** **MCMA2515** **MCMA251****	**MPMS2512** **MPMS2514** **MPMS2515** **MPMS251****	**MPMA2512** **MPMA2514** **MPMA2515** **MPMA251****	**MIMS2512** **MIMS2514** **MIMS2515** **MIMS251****	**MEMS2512** **MEMS2514** **MEMS2515** **MEMS251****
6		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths▲	**MCMS2612** **MCMS2614** **MCMS2615** **MCMS261****	**MCMA2612** **MCMA2614** **MCMA2615** **MCMA261****	**MPMS2612** **MPMS2614** **MPMS2615** **MPMS261****	**MPMA2612** **MPMA2614** **MPMA2615** **MPMA261****	**MIMS2612** **MIMS2614** **MIMS2615** **MIMS261****	**MEMS2612** **MEMS2614** **MEMS2615** **MEMS261****

▲ *Replace ** with length required in meters. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.*
  *Example: change MC**M**S2314 to MC**N**S2314.*

Micro-Quick® Control Connectors
Dual Key 2 - 6 Pole Plugs

Straight Plug

1/2 - 20 UNF Thread

	MALE	FEMALE
A	0.59" (15.0)	0.59" (15.0)
B	1.83" (46.5)	1.83" (46.5)
C	2.75" (69.9)	2.75" (69.9)

Right Angle Plug

1/2 - 20 UNF Thread

	MALE	FEMALE
A	0.59" (15.0)	0.59" (15.0)
B	1.44" (36.6)	1.44" (36.6)
C	2.75" (69.9)	2.75" (69.9)
D	0.67" (17.0)	0.67" (17.0)
E	1.15" (29.2)	1.15" (29.2)

Right Angle Male In-Line Plug

1/2 - 20 UNF Thread

A	0.59" (15.0)
B	1.44" (36.6)
C	2.75" (69.9)
D	0.67" (17.0)
E	1.38" (35.1)

Male In-Line Plug

1/2 - 20 UNF Thread

A	0.59" (15.0)
B	2.06" (52.3)
C	2.75" (69.9)

Extension Cable

1/2 - 20 UNF Thread   1/2 - 20 UNF Thread

	MALE	FEMALE
A	0.59" (15.0)	0.59" (15.0)
B	2.06" (52.3)	1.83" (46.5)

Conductor Color Code - Dual Key

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	Brown	Green	Red/Black	Red/White	Red/White
2	Blue	Red/Black	Red/White	Red	Red
3		Red/White	Red	Green	Green
4			Green	Red/Yellow	Red/Yellow
5				Red/Black	Red/Black
6					Red/Blue

Cable Diameters By Cable Type

Number of Conductors	#22 AWG PVC	#18 AWG TPE
2	0.20" (5.1)	0.23" (5.8)
3	0.21" (5.3)	0.24" (6.09)
4	0.22" (5.7)	0.26" (6.6)
5	0.26" (6.7)	0.28" (7.1)
6	0.26" (6.5)	-

Accessories

Dust Caps
Closure caps protect plugs and receptacles when not in use. Key style is for dual with thread of ½"-20 UNF.

Catalog Number	
MRCM2	
MPCM2	

.125" (3.2)   6" (152.4)

Micro-Quick® Control Connectors
Dual Key 2 - 6 Pole Receptacles

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **MRMS22325** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CONDUCTOR TYPE	REAR THREAD STYLE
MR = Receptacle, Female **MB** = Receptacle, Male **MF** = Receptacle, Female Inverse	**M** = Metallic	**S** = Straight	**2** = Dual	**3** **4** **5** **6**	**3** = #22 AWG PVC Discrete Wire **4** = #18 AWG PVC Discrete Wire* *2 - 5 Pole Only*	**25** = ¼" NPT* **50** = ½" NPT *MF Style Only*
↓	↓	↓	↓	↓	↓	↓
MR	**M**	**S**	**2**	**2**	**3**	**25**

Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

2 - 6 Pole Dual Key Receptacles

Catalog numbers using #22 AWG PVC cable are listed below.   For #18 AWG PVC discrete wire, change the conductor type per the **Hubbell Logic** chart above.

Poles	Male Face Shown Female - mirror image	Female Receptacles		Male Receptacles		Female Inverse Receptacles
		Rear Thread Style		Rear Thread Style		Rear Thread Style
		¼" NPT	½" NPT	¼" NPT	½" NPT	¼" NPT
2		MRMS22325	MRMS22350	MBMS22325	MBMS22350	MFMS22325
3		MRMS23325	MRMS23350	MBMS23325	MBMS23350	MFMS23325
4		MRMS24325	MRMS24350	MBMS24325	MBMS24350	MFMS24325
5		MRMS25325	MRMS25350	MBMS25325	MBMS25350	MFMS25325
6		MRMS26325	MRMS26350	MBMS26325	MBMS26350	MFMS26325

Micro-Quick® Control Connectors
Dual Key 2 - 6 Pole Receptacles

¼" NPT Rear Thread Receptacle

	MALE	FEMALE
A	0.75" (19.1)	0.75" (19.1)
B	0.75" (19.1)	0.86" (21.8)
C	0.10" (2.5)	0.10" (2.5)
D	12.0" (304.8)	12.0" (304.8)
E	0.62" (15.8)	0.62" (15.8)
F	0.35" (8.9)	0.38" (9.7)

Female Inverse Receptacle
¼" NPT Rear Thread

A	0.75" (19.1)
B	0.86" (21.8)
C	0.15" (3.8)
D	12.0" (304.8)
E	0.62" (15.8)
F	0.40" (10.2)
G	0.56" (14.2)

½" NPT Rear Thread Receptacle

	MALE	FEMALE
A	1.00" (25.4)	1.00" (25.4)
B	1.00" (25.4)	1.00" (25.4)
C	0.24" (6.10)	0.24" (6.10)
D	12.0" (304.8)	12.0" (304.8)
E	0.87" (22.1)	0.87" (22.1)
F	0.46" (11.7)	0.46" (11.7)
G	0.85" (21.6)	0.85" (21.6)

Conductor Color Code - Dual Key

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	Brown	Green	Red/Black	Red/White	Red/White
2	Blue	Red/Black	Red/White	Red	Red
3		Red/White	Red	Green	Green
4			Green	Red/Yellow	Red/Yellow
5				Red/Black	Red/Black
6					Red/Blue

Accessories

Dust Caps
Closure caps protect plugs and receptacles when not in use. Key style is for dual with thread of ½"-20 UNF.

Catalog Number	
MRCM2	
MPCM2	

Micro-Quick® Control Connectors
Coil Cord

Coil Cord allows connector plugs to extend and retract to pre-defined lengths, much like a mechanical spring. Coil cords come standard with 18 AWG polyurethane (PUR) jacketed cable. Consult factory for alternate construction. Simply choose the appropriate configuration from the selecter below.

Hubbell Logic Configurator

For example, Catalog Number **MCMS14C105** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CABLE TYPE	EXTENDED LENGTH (m)
MC = Plug, Female **MP** = Plug, Male **MI** = Plug, Male Inline **ME** = Male/Female Extension	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	**1** = Single **2** = Dual	**3** **4**	**C**	**105** = 1.5 **4** = 4.0
MC	**M**	**S**	**1**	**4**	**C**	**105**

Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

A (Extended)	A (Retracted)
1.5m	0.26m
4.0m	0.69m

Consult factory for availability.

6" (152.4)
6" (152.4)
2.75" (69.9)
A

Material Specifications

#18 AWG PUR	PUR jacket, black
	PVC conductor inculation
	Stranding - 41/34

Cable Diameter

Number of Conductors	Diameter
3	0.24" (6.1)
4	0.26" (6.6)

Color Codes - Single Key (Female Face)

Wire	Color
1	Brown
2	White
3	Blue
4	Black

Color Codes - Dual Key (Female Face)

Wire	Color
1	Green
2	Red/Black
3	Red/White

Micro-Quick® Control Connectors
LED Cables

LED Plugs

Micro-Quick plugs are available in NPN and PNP LED versions to aid in visibility of sensor functions in the manaufacturing plant. These plugs are available in the 3 pole, single key, straight, and right angle configurations. The last digit of each catalog number gives the assembly length in meters, with 22 AWG cable as the standard.

Electrical Rating: 5A/30V DC

Micro-Quick Right Angle Female LED Plugs

PNP Version	Catalog Numbers	
Description	**Metallic Coupling Nut**	**Nylon Coupling Nut**
3 Pole, 2 Meter	**MCMP1312**	**MCNP1312**
3 Pole, 4 Meter	**MCMP1314**	**MCNP1314**
3 Pole, 5 Meter	**MCMP1315**	**MCNP1315**
3 Pole, * Meter	**MCMP131***	**MCNP131***

NPN Version	Catalog Numbers	
Description	**Metallic Coupling Nut**	**Nylon Coupling Nut**
3 Pole, 2 Meter	**MCMN1312**	**MCNN1312**
3 Pole, 4 Meter	**MCMN1314**	**MCNN1314**
3 Pole, 5 Meter	**MCMN1315**	**MCNN1315**
3 Pole, * Meter	**MCMN131***	**MCNN131***

* User specified cable length

Micro-Quick Straight Female LED Plugs

PNP Version	Catalog Numbers	
Description	**Metallic Coupling Nut**	**Nylon Coupling Nut**
3 Pole, 5 Meter	**MCMPS1315**	**MCNPS1315**
3 Pole, * Meter	**MCMPS131***	**MCNPS131***

NPN Version	Catalog Numbers	
Description	**Metallic Coupling Nut**	**Nylon Coupling Nut**
3 Pole, 5 Meter	**MCMNS1315**	**MCNNS1315**
3 Pole, * Meter	**MCMNS131***	**MCNNS131***

* User specified cable length

Color Codes

Wire	Color
1	Brown
2	Not Used
3	Blue
4	Black

Micro-Quick® Control Connectors
Field Attachable Connectors - Screw Terminal Style

c(UL)us LISTED

Precision Wire Funnels
Eliminate Stray Strands.

Body
High Impact Insulgrip Design.

Brass Coupling Nut
Nickel Plated.

Patented Gotcha® Ring
Strain Relief Design
to Prevent Wire Damage.

Circuit ID label.

Set Screw
Standard ¹⁄₁₆" Hex for
Easy Terminations.

Superior Contact Design
Utilizing High Performance Material:
Gold Over Palladium Nickel Plating.

**Male Face Shown
Female - mirror
image**

		Cable Range	3 Pole	4 Pole	5 Pole
Female	Straight	.17"-.27" (4.3-6.9)	MCMS23FA1	MCMS14FA1	MCMS15FA1
		.25"-.31" (6.4-7.9)	MCMS23FA2	MCMS14FA2	MCMS15FA2
	Right Angle	.17"-.27" (4.3-6.9)	MCMA23FA1	MCMA14FA1	MCMA15FA1
		.25"-.31" (6.4-7.9)	MCMA23FA2	MCMA14FA2	MCMA15FA2
Male In-Line	Straight	.17"-.27" (4.3-6.9)	MIMS23FA1	MIMS14FA1	MIMS15FA1
		.25"-.31" (6.4-7.9)	MIMS23FA2	MIMS14FA2	MIMS15FA2
	Right Angle	.17"-.27" (4.3-6.9)	MIMA23FA1	MIMA14FA1	MIMA15FA1
		.25"-.31" (6.4-7.9)	MIMA23FA2	MIMA14FA2	MIMA15FA2

Material Specifications

Insulator	PBT, White
Housing	Nylon 6/6, Black
Collar	Nylon 6/6, White
Cover	Nylon 6/6, White
Wire Guide	Nylon 6/6, White
Strain Relief Bushing	Neoprene, White
Contact Materials	Pins-Brass, Sockets-Beryllium copper
Contact Plating	Hard gold over palladium/nickel
Coupling/Coupler Nut	Nickel plated brass
Gotcha -rings	Nylon 6/6, Natural, yellow and black
Bushings	Rubber, Black
Nuts	Nylon 6/6, Black
Set Screw	Zinc plated steel

Electrical Specifications

Voltage Rating	250V AC/DC
Wire Range	18AWG max, 22 AWG min.
Cable Diameters	FA1= .17"-.27", FA2= .25"-.31"
Amperage	#18 AWG- 3p=6A, 4p=5A, 5p=6A
	#22 AWG- 3p=4A, 4p=3A, 5p=3A
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ

Environmental Specifications

Moisture Resistance	UL Type 4, 4X, 12 and 13, IP67
Operating Temperature	-20°C to 105°C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10-2,000 Hz @ 15g per MIL-STD-1344, Method 2005

Female, Right Angle

Female, Straight

Male In-Line, Right Angle

Male In-Line, Straight

Micro-Quick®
Field Attachable Connectors - IDC Style

Allows field installation of control connector. Insulation Displacement Contacts do not require stripped conductors, greatly speeding installation.

Rugged, Nickel-plated Hardware
Excellent corrosion and abuse resistance.

Copper Alloy
Insulation displacement contacts.

Wire Guide
For virtually toolless termination.

Strain Relief Bushing
Protects terminations and provides IP67 ingress protection.

Micro-Quick® IDC

	Body	Cable Range	Wire Gauge	3 Pole	4 Pole
		Male Face Shown Female - mirror image			
Female	**Straight**	.16"-.21" (4.1-5.3)	22 - 24	MCMS13IDC	MCMS14IDC
		.22"-.32" (5.6-8.1)	18 - 22	MCMS13IDCL	MCMS14IDCL
	Right Angle	.16"-.21" (4.1-5.3)	22 - 24	MCMA13IDC	MCMA14IDC
Male In-Line	**Straight**	.16"-.21" (4.1-5.3)	22 - 24	MIMS13IDC	MIMS14IDC
		.22"-.32" (5.6-8.1)	18 - 22	MIMS13IDCL	MIMS14IDCL
	Right Angle	.16"-.21" (4.1-5.3)	22 - 24	MIMA13IDC	MIMA14IDC

MCMS13IDC

MCMA13IDC

MCMS13IDCL

MIMS13IDC

MIMS13IDCL

MIMA13IDC

Material Specifications

Housing	Polyester Elasomer, Black
Wire Guide	Nylon 6/6, Gray
Strain Relief Bushing	Neoprene, Black
Contact Materials	Copper Alloy
Contact Plating	Tin over Nickel
Coupling Nut	Zinc Alloy with Nickel Plating
O-ring	Neoprene, Black
Cable Compression Nut	Zinc Alloy with Nickel Plating

Electrical Specifications

Catalog Suffix	IDC	IDCL
Voltage Rating	32VAC/DC	50VAC/DC
Wire Range	#22AWG max., #24AWG min.	#18AWG max., #22AWG min.
Cable Diameters	.160" to .211" (4.1 to 5.3 mm)	.22" to .32" (5.6 to 8.1 mm)
Amperage	3A	6A
Contact Res.	≤ 5 mΩ	≤ 5 mΩ

Environmental Specifications

Ingress Protection IP67 Suitability
Operating Temperature   -20°C to 110°C

Micro-Quick®
Splitter Connectors and Y Cables

c(UL)us LISTED

Splitter Connectors

Circuit Type	Male	Female (2x)	Key Style	Catalog Numbers
A	4 Pole	3 Pole	Single	**MSM1A**
B	4 Pole	4 Pole	Single	**MSM1B**
F	5 Pole	5 Pole	Single	**MSM1F**
G	3 Pole	3 Pole	Single	**MSM1G**

MSM1B

Y Cables- Straight Connectors

Circuit Type	Male	Female	Key Style	Cable Length (m)	Catalog Numbers
A	4 Pole	3 Pole	Single	0.3	**MYMS1A103**
A	4 Pole	3 Pole	Single	1	**MYMS1A11**
A	4 Pole	3 Pole	Single	2	**MYMS1A12**
A	4 Pole	3 Pole	Single	6	**MYMS1A16**
A	4 Pole	3 Pole	Single	0.3	**MYMS1A203**
A	4 Pole	3 Pole	Single	1	**MYMS1A21**
B	4 Pole	4 Pole	Single	0.3	**MYMS1B103**
F	5 Pole	5 Pole	Single	0.3	**MYMS1F103**
G	3 Pole	3 Pole	Single	0.3	**MYMS1G203**
D	5 Pole	3 Pole	Dual	0.3	**MYMS2D203**

MYMS1A103

Y Cables-Angled Connectors

Circuit Type	Male	Female	Key Style	Cable Length (m)	Catalog Numbers
A	4 Pole	3 Pole	Single	0.3	**MYMA1A103**
A	4 Pole	3 Pole	Single	1	**MYMA1A11**
A	4 Pole	3 Pole	Single	2	**MYMA1A12**
A	4 Pole	3 Pole	Single	0.3	**MYMA1A203**
A	4 Pole	3 Pole	Single	1	**MYMA1A21**

* Consult factory for alternate circuit types and cable lengths.

Circuit Types

Specifications

Voltage:	300VDC/300VAC	Enclosure type:	UL4, 4X,12, 13
Amperage:	4A per individual output	Certification:	UL2238 and UL50, cUL

Nano-Quick® Control Connectors
Features and Benefits

Gated Strain Relief with Graduated Window Sizes
Improved Flexibility and Strength Protects Wire
Terminations Superior arc of bend control.

Hard Gold Over Palladium Nickel Contact Plating
Superior Conductivity, Extended Contact Life.

Beryllium Copper Socket Contacts
Ensures contacts maintain their shape and continuity.

O-Rings
Moisture Protection.

Anti-Vibration Coupling Nut
Prevents coupling nut from loosening under harsh
vibration conditions.

Features

- Nickel plated brass coupling nuts and receptacle shells.
- Black overmold and cable.
- Insulgrip connector body design.
- UL Listed cable assemblies and receptacles.
- Plating resists corrosion in high abuse environments.

Benefits

- Cable assembly resists dirt and blends with environment giving a clean look to the installation.
- Ergonomic connector body has an industrial look.
- Third party certified for electrical, mechanical and environmental performance.

Material Specifications

Insulator Materials	Nylon 6/6, White	
Contact Materials	Pins - Brass, Sockets	
	Sockets - Beryllium copper	
Contact Plating	Hard gold over palladium/nickel	
Overmold Material	Polyurethane, Black	
Coupling Nut, Metallic	Nickel plated brass	
Receptacle Shell	Nickel plated brass	

Cable	#24 AWG -	PVC jacket, Black, PVC conductor insulation, Copper braid - 85% coverage, Stranding 19/36
	#24 AWG -	TPE jacket, Black, PVC conductor insulation, Stranding - 19/36
Strain Relief		20 pounds min per UL 2238

Electrical Specifications

Voltage Rating	125VAC/75VDC
Amperage	3&4P=4A
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ

Enviromental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP67 Suitability
Operating Temperature	PVC Cable: -20° to 105° C
	TPE Cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD1344, Method 2005

Certifications

UL 2238 and UL50, File No. E192071   CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94

Nano-Quick® Control Connectors
3 - 4 Pole Plugs and Receptacles

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **NCTA3105** is derived as follows:

DEVICE TYPE	RETENTION STYLE	BODY STYLE	POLES	CABLE TYPE	CABLE LENGTH (m)
NC = Plug, Female	**T** = Threaded, Locking **S** = Snap On	**A** = Right Angle **S** = Straight	3 4	**1** = #24 AWG PVC Cable **2** = #24 AWG TPE Cable	****** 02 05 *** Replace w / Length*
↓	↓	↓	↓	↓	↓
NC	**T**	**A**	**3**	**1**	**05**

Availability of specific items may vary. Consult factory for delivery. Use this chart to build plugs to meet any application need. Consult the factory for additional cable lengths or cable types.

3 - 4 Pole Female Plugs

Catalog numbers using #24 AWG PVC cable are listed below.   For #24 AWG TPE cable, change the cable type per the **Hubbell Logic** chart above.

Poles	Female Face Shown	Cable Length	Threaded, Locking		Snap Together	
			Straight	Right Angle	Straight	Right Angle
3		6.56 ft/2m	NCTS3102	NCTA3102	NCSS3102	NCSA3102
		16.40 ft (5m)	NCTS3105	NCTA3105	NCSS3105	NCSA3105
		All other lengths⌃	NCTS31**	NCTA31**	NCSS31**	NCSA31**
4		6.56 ft (2m)	NCTS4102	NCTA4102	NCSS4102	NCSA4102
		16.40 ft (5m)	NCTS4105	NCTA4105	NCSS4105	NCSA4105
		All other lengths⌃	NCTS41**	NCTA41**	NCSS41**	NCSA41**

⌃ *Replace ** with length required in feet. For snap on retention style, replace "T" with "S" per the ordering chart above.*
   Example: change NCTA3105 to NCSA3105 .

Hubbell Logic Configurator

For example, Catalog Number **NBCS3D** is derived as follows:

DEVICE TYPE	RETENTION STYLE	BODY STYLE	POLES	CONDUCTOR TYPE
NB = Receptacle, Male	**C** = Combination	**S** = Straight	3 4	**D** = 0.25m #24 AWG discrete wire
↓	↓	↓	↓	↓
NB	**C**	**S**	**3**	**D**

3 - 4 Pole Male Receptacles

Poles	Male Face Shown	Male Receptacle Rear Thread Style M8 x 1	Poles	Male Face Shown	Male Receptacle Rear Thread Style M8 x 1
3		NBCS3D	**4**		NBCS4D

⌃ *Replace ** with length required in feet.*

Nano-Quick® Control Connectors
3 - 4 Pole Plugs and Receptacles

Straight Female Locking Plug

M8 x 1
Thread

A	0.38" (9.7)
B	1.51" (38.4)
C	2.75" (69.9)

Right Angle Female Locking Plug

M8 x 1
Thread

A	0.39" (9.9)
B	1.04" (26.4)
C	2.75" (69.9)
D	0.78" (19.8)
E	0.38" (9.7)

Straight Female Snap Together Plug

A^1	0.34" (8.6)
A^2	0.22" (5.6)
B	1.50" (38.1)
C	2.75" (69.9)

Right Angle Female Snap Together Plug

A^1	0.39" (9.9)
A^2	0.38" (9.7)
A^3	0.22" (5.6)
B	1.04" (26.4)
C	2.75" (69.9)
D	0.79" (20.1)

Male Combination Receptacle

M8 x 1
Thread
Max panel thickness

M8 x 1
Thread

Panel cutout

A	0.31" (7.9)
B	0.63" (16.0)
C	12.0" (304.8)
D	0.35" (8.8)
E	0.80" (2.0)
F	0.59" (15.0)

Cable Diameters By Cable Type

Number of Conductors	#24 AWG PVC	#24 AWG TPE
3	0.21" (5.3)	0.21" (5.3)
4	0.21" (5.3)	0.21" (5.3)

Conductor Color Code

Contact Number	3 Pole	4 Pole
1	Brown	Brown
2	Not Used	White
3	Blue	Blue
4	Black	Black

All dimensions are shown in inches (mm)

Nano-Quick® Control Connectors
Field Attachable Connectors - IDC Style

Allows field installation of control connector. Insulation Displacement Contacts do not require stripped conductors, greatly speeding installation.

Rugged, Nickel-plated Hardware
Excellent corrosion and abuse resistance.

Copper Alloy
Insulation displacement contacts.

Wire Guide
For virtually toolless termination.

Strain Relief Bushing
Protects terminations and provides IP67 ingress protection.

Nano-Quick® IDC

	Body	Cable Range	Wire Gauge	Male Face Shown Female - mirror image		
Female	Straight	.13"-.21" (3.3-5.3)	22 - 24		**NCTS13IDC**	**NCTS14IDC**
Male	Straight	.13"-.21" (3.3-5.3)	22 - 24		**NITS13IDC**	**NITS14IDC**

Material Specifications

Housing	Polyester Elasomer, Black
Wire Guide	Nylon 6/6, Gray
Strain Relief Bushing	Neoprene, Black
Contact Materials	Copper Alloy
Contact Plating	Tin over Nickel
Coupling Nut	Zinc Alloy with Nickel Plating
O-ring	Neoprene, Black
Cable Compression Nut	Zinc Alloy with Nickel Plating

NCTS13IDC

Electrical Specifications

Voltage Rating	32VAC/DC
Wire Range	#22AWG max., #24AWG min.
Cable Diameters	.13" to .21" (3.3 to 5.3 mm)
Amperage	3A
Contact Resistance	≤ 5 mΩ

NITS13IDC

Environmental Specifications

Ingress Protection	IP67 Suitability
Operating Temperature	-20°C to 110°C

SignalPlex™ Micro Ports
Features and Benefits

Homerun Connections

Connectorized
Hard wired

Black Textured Finish

Resists dirt and residue
Clean appearance

Industrial Adhesive Circuit ID Labels

Easy to use and replace

LEDs on DC Style Ports

Maximum Visibility

Flush Receptacle Enclosure

Reduces installation height
Protects receptacle shells

Features

- Consistent mounting pattern between 4, 6 and 8 port enclosures.
- Hard gold over palladium/nickel contact plating.
- Beryllium copper socket contacts.
- Wiring diagram on back of enclosure.
- UL Listed product.
- Allows quick change over to increase or decrease the number of ports without having to drill new holes.

Benefits

- Durable plating for high mating cycles and extended contact life.
- Strong, resilient base metal ensures contacts maintain their shape and continuity over time.
- Wiring diagram is accessible even if instructions are lost.
- Third party certified for electrical, mechanical and environmental performance.

Material Specifications

Housing Materials	Rigid PVC	Strain Relief	Thermoplastic Elastomer
Micro-Quick Insulators	Nylon 6/6, White	Receptacle Caps	Nickel plated brass
Mini-Quick Insulator	Thermoplastic Elastomer, White	LED Life Expectancy	100,000 hours
Contact Materials	Pins - Brass	Circuit ID Labels	Adhesive Polyester
	Sockets - Beryllium copper	Cable	#18 AWG, PVC insulated stranded
Contact Plating	Hard gold over palladium/nickel		copper conductors, Black PVC jacket
Receptacle Shell	Nickel plated brass	Cable Stranding	41/34
O-ring	Nitrile rubber		

Electrical Specifications

Current Rating	(Dual Key, 3P/3W) 300V AC Max, 3A per individual port, 7A per unit
(Single Key, 5P/3W and 5P/4W)	10-30V DC, 3A per individual port, 7A per unit
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ
Indicating LEDs	Green = Power, Yellow = Signal/Function
Current Limiting Resistor	2200 Ω

Environmental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP67 Suitability
Operating Temperature	-20° to 85° C
	TPE Cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD-1344, Method 2005

Certifications

UL 2238 and UL50   CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94

SignalPlex™ Micro Ports
4 Port Enclosures
Enclosure Dimensions

4 Port Front View*

ø .200 HOLE FOR # 8 SCREWS 3X

4.22"
(107.2)

1.30"
(33.0)

2.12"
(53.9)

0.36"
(9.1)

2.88"
(73.2)

HUBBELL

* Hard wired and connectorized enclosures have same enclosure dimensions.

Profile Views

Connectorized

Hard Wired

MINI-QUICK 12 POLE RECEPTACLE
1 1/8 - 16 UNTHREAD

1.22"
(31.0)

.77"
(19.6)

0.77"
(19.6)

Micro-Quick 4 Port Enclosures

Connectorized with Mini-Quick Male Receptacle	Hard Wired with 5m Cable	Micro-Quick Female Receptacle Face View	Poles/ Wires	Micro-Quick Circuit Style	Voltage Rating	LED Status
MMC342	MMW34205*		3P/3W	Dual Key	300V AC	No
MMC441 MMC445	MMW44105* MMW44505*		5P/3W	PNP NPN	10 - 30V DC	Yes
MMC541 MMC545	MMW54105* MMW54505*		5P/4W	PNP NPN	10 - 30V DC	Yes

* For additional cable lengths, consult factory.
  Mating Mini-Quick cable assemblies are located on page G45.

SignalPlex™ Micro Ports
4 Port Enclosures
Wiring Diagrams

4 Port Color Codes (Hard Wired)

	MMW34205	MMW44105	MMW54105
Common	White	-	-
Ground	Green	-	Green/Yellow
J1 Load	Red	White	White
J2 Load	Orange	Orange	Orange
J3 Load	Black	Yellow	Yellow
J4 Load	Blue	Grey	Grey
(+) Positive	-	Brown	Brown
(-) Negative	-	Blue	Blue

Single Key 5P/3W

PIN 9   NOT USED
PIN 1   LOAD J1 / WHITE
PIN 3   LOAD J3 / YELLOW
PIN 5   NOT USED
PIN 7   NOT USED
PIN 8   NOT USED
PIN 6   NOT USED
PIN 4   LOAD J4 / GRAY
PIN 11   (-) NEGATIVE / BLUE
PIN 2   LOAD J2 / ORANGE
PIN 10   (+) POSITIVE / BROWN
PIN 12   NOT USED

* PNP Circuit Shown

Dual Key 3P/3W

PIN 9   EARTH GND / GREEN
PIN 1   J1LOAD (L2) / RED
PIN 3   J3LOAD (L2) / BLACK
PIN 5   NOT USED
PIN 7   NOT USED
PIN 8   NOT USED
PIN 6   NOT USED
PIN 4   J4LOAD (L2) / BLUE
PIN 10   (L1) COMMON / WHITE
PIN 2   J2LOAD (L2) / ORANGE
PIN 11   NOT USED
PIN 12   NOT USED

Single Key 5P/4W

PIN 9   EARTH GND / GREEN/YELLOW
PIN 1   LOAD J1 / WHITE
PIN 3   LOAD J3 / YELLOW
PIN 5   NOT USED
PIN 7   NOT USED
PIN 8   NOT USED
PIN 6   NOT USED
PIN 4   LOAD J4 / GRAY
PIN 11   (-) NEGATIVE / BLUE
PIN 2   LOAD J2 / ORANGE
PIN 10   (+) POSITIVE / BROWN
PIN 12   NOT USED

* PNP Circuit Shown

SignalPlex™ Micro Ports

4 Port Enclosures

SignalPlex™ Micro Ports
6 Port Enclosures
Enclosure Dimensions

6 Port Front View*

Hard wired and connectorized enclosures have same enclosure dimensions.

Profile Views

Connectorized   **Hard Wired**

Micro-Quick 6 Port Enclosures

Connectorized with Mini-Quick Male Receptacle	Hard Wired with 5m Cable	Micro-Quick Female Receptacle Face View	Poles/ Wires	Micro-Quick Circuit Style	Voltage Rating	LED Status
MMC362	MMW36205*		3P/3W	Dual Key	300V AC	w/o LEDs
MMC461 MMC465	MMW46105* MMW46505*		5P/3W	PNP NPN	10 - 30V DC	w/LEDs
MMC561 MMC565	MMW56105* MMW56505*		5P/4W	PNP NPN	10 - 30V DC	w/LEDs

* For additional cable lengths, consult factory.
  Mating Mini-Quick cable assemblies are located on page G45.

SignalPlex™ Micro Ports
6 Port Enclosures
Wiring Diagrams

6 Port Color Codes (Hard Wired)

	MMW36205	MMW46105	MMW56105
Common	White	-	-
Ground	Green	-	Green/Yellow
J1 Load	Red	White	White
J2 Load	Orange	Orange	Orange
J3 Load	Black	Yellow	Yellow
J4 Load	Blue	Grey	Grey
J5 Load	White/Black	Pink	Pink
J6 Load	Red/Black	Red	Red
(+) Positive	-	Brown	Brown
(-) Negative	-	Blue	Blue

Dual Key 3P/3W

Single Key 5P/3W

PNP Circuit Shown

Single Key 5P/4W

PNP Circuit Shown

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

6 Port Enclosures

SignalPlex™ Micro Ports
8 Port Enclosures
Enclosure Dimensions

8 Port Front View*

6.35" (161.3)

ø .200 HOLE FOR # 8 SCREWS 3X

1.30" (33.0)

2.12" (53.9)

HUBBELL

0.36" (9.1)

2.88" (73.2)

* Hard wired and connectorized enclosures have same enclosure dimensions.

Profile Views

Connectorized

Hard Wired

MINI-QUICK 12 POLE RECEPTACLE 1 1/8 - 16 UNTHREAD

1.22" (31.0)

.77" (19.6)

0.77" (19.6)

Micro-Quick 8 Port Enclosures

Connectorized with Mini-Quick Male Receptacle	Hard Wired with 5m Cable	Micro-Quick Female Receptacle Face View	Poles/ Wires	Micro-Quick Circuit Style	Voltage Rating	LED Status
MMC382	MMW38205*		3P/3W	Dual Key	300V AC	w/o LEDs
MMC481 MMC485	MMW48105* MMW48505*		5P/3W	PNP NPN	10 - 30V DC	w/LEDs
MMC581 MMC585	MMW58105* MMW58505*		5P/4W	PNP NPN	10 - 30V DC	w/LEDs

* For additional cable lengths, consult factory.
Mating Mini-Quick cable assemblies are located on page G45.

SignalPlex™ Micro Ports
8 Port Enclosures
Wiring Diagrams

8 Port Color Codes (Hard Wired)

	MMW38205	MMW48105	MMW58105
Common	White	-	-
Ground	Green	-	Green/Yellow
J1 Load	Red	White	White
J2 Load	Orange	Orange	Orange
J3 Load	Black	Yellow	Yellow
J4 Load	Blue	Grey	Grey
J5 Load	White/Black	Pink	Pink
J6 Load	Red/Black	Red	Red
J7 Load	Black/Green	Black	Black
J8 Load	Orange/Black	Violet	Violet
(+) Positive	-	Brown	Brown
(-) Negative	-	Blue	Blue

Dual Key 3P/3W

Single Key 5P/3W

PNP Circuit Shown

Single Key 5P/4W

PNP Circuit Shown

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

SignalPlex™ Micro Ports
Accessories
SignalPlex Port Mating Cable Assemblies

Micro-Quick Male In-Line Plugs for use with all SignalPlex Ports

To Mate with SignalPlex Ports		Male In-Line Plugs #22 AWG PVC Cable		Micro-Quick (Male Face View Shown)	Cable Length*
Connectorized	Hard Wired	Straight	Right Angle	Poles	
MMC342 MMC362 MMC382	MMW34205 MMW36205 MMW38205	MIMS2312 MIMS2314 MIMS2315	MIMA2312 MIMA2314 MIMA2315		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m)
MMC441 MMC461 MMC481	MMW44105 MMW46105 MMW48105	MIMS1512 MIMS1514 MIMS1515	MIMA1512 MIMA1514 MIMA1515		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m)
MMC541 MMC561 MMC581	MMW54105 MMW56105 MMW58105	MIMS1512 MIMS1514 MIMS1515	MIMA1512 MIMA1514 MIMA1515		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m)

* For additional cable lengths, consult factory.

All connectorized SignalPlex Ports have a Mini-Quick 12 pole on-board male receptacle. The mating Mini-Quick female plugs given below have been wired specifically for use with Hubbell SignalPlex ports to customize the number of wires used by each port. The color codes of the cables given below also match the color codes of the hard wired ports for your convenience.

Mini-Quick Female Plugs for use with SignalPlex Ports

To Mate with Connectorized SignalPlex Port	Female Plugs Straight	Right Angle	Mini-Quick 12 Pole (Female Face View Shown)	Cable Length*	Cable Type	Number of Wires in Cable
MMC342	HCMS12412P6	HCMA12412P6		12 ft (3.66m)	#18 AWG STOOW	6
MMC362	HCMS12312P8	HCMA12312P8		12 ft (3.66m)	#18 AWM2661 PVC	8
MMC382	HCMS12312P10	HCMA12312P10		12 ft (3.66m)	#18 AWM2661 PVC	10
MMC441 MMC541	HCMS12312P7	HCMA12312P7		12ft (3.66m)	#18 AWM2661 PVC	7
MMC461 MMC481 MMC561 MMC581	HCMS12312P11	HCMA12312P11		12 ft/3.66m	#18 AWM2661 PVC	11

* For additional cable lengths, please consult factory.
For SignalPlexport specifications, color codes, and cable diameters, refer to individual pages.

Color Codes for Mini-Quick SignalPlex Port Cables

	HCMA12412P6 HCMS12412P6	HCMA12312P7 HCMS12312P7	HCMA12312P8 HCMS12312P8	HCMA12312P10 HCMS12312P10	HCMA12312P11 HCMS12312P11
1	Red	White	Red	Red	White
2	Orange	Orange	Orange	Orange	Orange
3	Black	Yellow	Black	Black	Yellow
4	Blue	Gray	Blue	Blue	Gray
5	Not Used	Not Used	White/Black	White/Black	Pink
6	Not Used	Not Used	Red/Black	Red/Black	Red
7	Not Used	Not Used	Not Used	Black/Green	Black
8	Not Used	Not Used	Not Used	Orange/Black	Violet
9	Green	Green/Yellow	Green	Green	Green/Yellow
10	White	Brown	White	White	Brown
11	Not Used	Blue	Not Used	Not Used	Blue
12	Not Used	Not Used	Not Used	Not Used	Not Used

Cable Diameters By Product

Hard Wired Ports

Port Catalog Number	#18 AWG Cable
MMW34205	0.364" (9.3)
MMW36205	0.364" (9.3)
MMW38205	0.364" (9.3)
MMW44105	0.364" (9.3)
MMW46105	0.364" (9.3)
MMW48105	0.364" (9.3)
MMW54105	0.364" (9.3)
MMW56105	0.364" (9.3)
MMW58105	0.364" (9.3)

Mini-Quick Female Plugs

Straight	Right Angle	#18 AWG PVC Cable
HCMS12412P6	HCMA12412P6	0.500" (12.7)
HCMS12312P7	HCMA12312P7	0.364" (9.3)
HCMS12312P8	HCMA12312P8	0.364" (9.3)
HCMS12312P10	HCMA12312P10	0.364" (9.3)
HBMS12312P11	HCMA12312P11	0.364" (9.3)

Note: Cable diameters for Micro-Quick Male In-Line Plugs are located on page G-26.

SignalPlex™ Mini Ports

SignalPlex™ Mini Ports
Features and Benefits

Illuminated Indicators
Power and signal.

Industrial Adhesive Circuit ID Labels
Easy to use and replace.

Black Textured Finish
Impact resistant.
Resists dirt and residue.
Clean appearance.

Side Mount Receptacle Enclosure
Reduces installation height.
Protects receptacle shells.

Homerun Connections
Connectorized or hard wired.

Features

- Hard gold over palladium/nickel contact plating.
- Copper alloy sockets with stainless steel sleeves.
- Wiring diagram on back of enclosure.

Benefits

- Durable plating for high mating cycles and extended contact life.
- Strong, resilient base metal ensures contacts maintain their shape and continuity over time.
- Wiring diagram is accessible even if instructions are lost.

Material Specifications

Housing Materials	Rigid PVC	Strain Relief	Thermoplastic Elastomer
Micro-Quick Insulators	Nylon 6/6, White	Receptacle Caps	Nickel plated brass
Mini-Quick Insulator	Thermoplastic Elastomer, White	LED Life Expectancy	100,000 hours
Contact Materials	Pins - Brass	Circuit ID Labels	Adhesive Polyester
	Sockets - Copper alloy w/stainless steel sleeve	Cable	#16 AWG, PVC insulated stranded copper conductors. Black PVC jacket
Contact Plating	Hard gold over palladium/nickel	Cable Stranding	65/34
Receptacle Shell	Nickel plated brass		
O-ring	Nitrile rubber		

Electrical Specifications

Voltage Rating (with LEDs)	120V AC/DC Max
(without LEDs)	600V AC/DC Max
Amperage (4-port)	10A Total
(6-port)	9A Total
(8-port)	8A Total
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ
Indicating LEDs	Green = Power, Yellow = Signal/Function

Environmental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP67 Suitability
Operating Temperature	-20° to 85° C TPE Cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD-1344, Method 2005

Certifications

UL 2238 and UL50   CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94

SignalPlex™ Mini Ports
4, 6, and 8 Port Diagrams

4 Port Top View

LED Indicators

7/8 - 16 UN Thread

3.22" (81.8)
2.25" (57.2)
2.0" (5.1)
2.02" (51.4)
3.90" (99.1)

4 Port Side View

1.63" (41.3)
1.58" (40.1)
1.75" (44.4)
4.5" (114.2)
1.75" (44.4)

6 Port Top View

LED Indicators

7/8 - 16 UN Thread

2.25" (57.2)
3.22" (81.8)
2.0" (50.8)
2.02" (51.3)
3.90" (99.1)

6 Port Side View

1.63" (41.3)
1.58" (40.1)
6.28" (159.4)
1.75" (44.5)
1.78" (45.1)

8 Port Top View

LED Indicators

7/8 - 16 UN Thread

2.25" (57.2)
3.22" (81.8)
4.0" (101.6)
2.02" (51.4)
3.90" (99.1)

8 Port Side View

1.63" (41.3)
8.0" (203.1)
1.75" (44.5)
1.75" (44.4)

SignalPlex™ Mini Ports
4, 6, and 8 Port Specifications

Mini-Quick 4 Port Enclosures

Ports		Mini-Quick Female Receptacle Face View	Wiring	Voltage Rating	LED Status
Connectorized Port	Hard Wired with 15ft Cable				
HMC341 HMC342	HMW34115* HMW34215*		3W Parallel 3W Parallel	120V AC/DC 600V AC/DC	Yes No
HMC441 HMC442	HMW44115* HMW44215*		4W Parallel 4W Parallel	120V AC/DC 600V AC/DC	Yes No
HMC542 HMC544	HMW54215* HMW54415*		5W Parallel 5W Solenoid	600V AC/DC	No

* For additional cable lengths, consult customer service. Mating Mini-Quick cable assemblies are located on page G-9 and G-10.

Mini-Quick 6 Port Enclosures

Ports		Mini-Quick Female Receptacle Face View	Wiring	Voltage Rating	LED Status
Connectorized Port	Hard Wired with 15ft Cable				
HMC361 HMC362	HMW36115* HMW36215*		3W Parallel 3W Parallel	120V AC/DC 600V AC/DC	Yes No
HMC461 HMC462	HMW46115* HMW46215*		4W Parallel 4W Parallel	120V AC/DC 600V AC/DC	Yes No

* For additional cable lengths, consult customer service. Mating Mini-Quick cable assemblies are located on page G-9 and G-10.

Mini-Quick 8 Port Enclosures

Ports		Mini-Quick Female Receptacle Face View	Wiring	Voltage Rating	LED Status
Connectorized Port	Hard Wired with 15ft Cable				
HMC381 HMC382	HMW38115* HMW38215*		3W Parallel 3W Parallel	120V AC/DC 600V AC/DC	Yes No
HMC481	HMW48115*		4W Parallel	120V AC/DC	Yes

* For additional cable lengths, consult customer service. Mating Mini-Quick cable assemblies are located on page G-9 and G-10.

SignalPlex™ Mini Ports
4, 6, and 8 Connector Styles

Connector Styles (Connectorized Ports)

4 Port Catalog Number	Style	Male View
HMC441 HMC442	6 Pole Mini-Quick 6 Pole Mini-Quick	
HMC341 HMC342	7 Pole Mini-Quick 7 Pole Mini-Quick	
HMC542 HMC544	10 Pole Mini-Quick 10 Pole Mini-Quick	

6 Port Catalog Number	Style	Male View
HMC361 HMC362	9 Pole Mini-Quick 9 Pole Mini-Quick	
HMC461 HMC462	9 Pole Mini-Quick 9 Pole Mini-Quick	

8 Port Catalog Number	Style	Male View
HMC381 HMC382	10 Pole Mini-Quick 10 Pole Mini-Quick	
HMC481 HMC482	12 Pole Mini-Quick 12 Pole Mini-Quick	

Color Codes (Hard Wired)

4 Port

Common	White	-	-
Ground	Green	-	Green/Yellow
J1 Load	Red	White	White
J2 Load	Orange	Orange	Orange
J3 Load	Black	Yellow	Yellow
J4 Load	Blue	Grey	Grey
(+) Positive	-	Brown	Brown
(-) Negative	-	Blue	Blue

6 Port

Common	White	-	-
Ground	Green	-	Green/Yellow
J1 Load	Red	White	White
J2 Load	Orange	Orange	Orange
J3 Load	Black	Yellow	Yellow
J4 Load	Blue	Grey	Grey
J5 Load	White/Black	Pink	Pink
J6 Load	Red/Black	Red	Red
(+) Positive	-	Brown	Brown
(-) Negative	-	Blue	Blue

8 Port

Common	White	-	-
Ground	Green	-	Green/Yellow
J1 Load	Red	White	White
J2 Load	Orange	Orange	Orange
J3 Load	Black	Yellow	Yellow
J4 Load	Blue	Grey	Grey
J5 Load	White/Black	Pink	Pink
J6 Load	Red/Black	Red	Red
(+) Positive	-	Brown	Brown
(-) Negative	-	Blue	Blue

Signal-Quick™ Sensor Mounting Accessories
Cushioned Sensor Mounts

Sensor Mounts

Install tubular proximity sensors with a Cushioned Sensor Mount and protect against over-travel damage. Reduces replacement expenses and downtime. Hubbell's Cushioned Sensor Mounts feature:

• Spring-loaded housing eliminates impact damage.
• Reduces downtime and replacement expenses.
• Reduces spare sensor inventories.
• Shielded and non-shielded end caps eliminate abrasion damage.
• Block style or threaded housing designs.
• Anodized aluminum or stainless steel.

When something out of the ordinary happens or targets over-travel, the sensor simply retracts to avoid damage. The sensor returns to its original position and the equipment continues to operate.

Material Specifications

Material: Anodized aluminum housing
Zinc-plated brass jam nuts
CSM12LP is all Stainless Steel

Threaded Style

Threaded Style

Catalog Number	A	B	C	E	H
CSM8	M8 x 1	M16 x 1.5	0.12" (3.1)	0.87" (22.1)	0.87" (22.1)
CSM12LP	M12 x 1	M18 x 1	0.16" (4.1)	0.95" (24)	0.83" (21.1)
CSM18	M18 x 1	M30 x 1.5	0.20" (5.1)	1.41" (35.8)	1.17" (29.7)
CSM30	M30 x 1.5	M47 x 1.5	0.20" (5.1)	2.01" (51)	1.47" (37.3)

Block Style

Block Style

Catalog Number	A	B	C	E	H	K	L	M
BCSM8	M8 x 1	0.75" (19)	0.37" (9.5)	0.62" (15.8)	0.87" (22.1)	0.72" (18.4)	1.0" (25.4)	0.14" (3.6)
BCSM12	M12 x 1	0.75" (19)	0.37" (9.5)	1.0" (25.4)	0.87" (22.1)	0.98" (24.8)	1.5" (38.1)	0.20" (5.2)
BCSM18	M18 x 1	1.0" (25.4)	0.50" (12.7)	1.25" (31.7)	1.17" (29.7)	1.21" (30.7)	1.5" (38.1)	0.18" (4.6)
BCSM30	M30 x 1.5	1.38" (34.9)	0.68" (17.5)	2.0" (50.8)	1.47" (37.4)	2.03" (51.5)	2.5" (63.5)	0.26" (6.7)

Signal-Quick™ Sensor Mounting Accessories
Sensor Mounting System Components

Bracket

Half Clamp Set

Base

Coupler

Rod

Sensor Mounting System

The ultimate in positioning flexibility. Hubbell Sensor Mounting System (HMS) components create a superior structure for virtually any sensor(s) to be mounted and aimed. Dramatically reduce design costs and fabricating time. Hubbell's Cushioned Sensor Mounts feature:

• Complete system building blocks.
• Brackets to accommodate all sensors.
• Extremely rigid mounting.
• Durable all metal construction.
• Assemble and adjust with a single allen wrench.

Material Specifications

Half Clamp:	Zinc diecast, zinc-plated steel screws
Brackets:	304 Stainless Steel
Bases:	Zinc-plated Steel
Spacers:	Zinc-plated Steel
Rods:	Zinc-plated Steel
Couplers:	Zinc-plated Steel

Threaded Base
HMSBT

0.75" (19.1)

Ø 1.0" (25.4)

A
⅜"-16 THD

Counter Sunk Base
HMSBC

0.75" (19.1)

Ø 1.0" (25.4)

A
CLEARANCE HOLE FOR ⅜" SCREW

Couplers
HMSC

0.50" (12.7)

Ø 1.0" (25.4)

Rods
HMSR150, HMSR750

Catalog Number	A
HMSR150	5.91" (150)
HMSR750	29.50" (750)

Ø 0.50" (12.7)

A

Spacers
HMSS38, HMSS76

Catalog Number	A
HMSS38	1.50" (38)
HMSS76	3.00" (76)

Ø 0.39" (9.91)

Ø 1.0" (25.4)

A

Signal-Quick™ Sensor Mounting Accessories
Sensor Mounting System Components

Half Clamp

HMSHC

Adjustment/locking screw
5/32" hex
Ø ½"
0.13" (3.3)
1.05" (26.7)
Bracket Mount
Ø 0.78" (19.8)
1.05" (26.7)
0.51" (12.9)
1.45" (36.8)

Bolt-on Clamp

CLAMPB

Adjustment/locking screw
5/32" hex
0.13" (3.3)
1.05" (26.7)
Bracket Mount
Ø 0.78" (19.8)
0.51 (12.9)
2.71 (68.9)
2.19" (55.6)
1.05" (26.7)
Socket head cap screw
3/8" - 16 x 2"
1.45 (36.8)

Brackets

BKT12F
1.24" (31.4)
Ø 0.78" (19.8)
Ø 0.48" (12.1)
2.15" (54.6)

BKT12A
1.28" (32.5)
90°
Ø 0.48" (12.1)
Ø 0.78" (19.8)
0.75" (19.1)
0.68" (17.3)
1.06" (26.9)

BKT12O
1.12" (28.4)
0.68" (17.3)
0.75" (19.1)
Ø 0.48" (12.1)
Ø 0.78" (19.8)
0.94" (23.9)

BKT18F
1.33" (33.1)
Ø 0.71" (18.1)
Ø 0.78" (19.8)
2.35" (59.7)

BKT18A
90°
1.02" (25.9)
Ø 0.78" (19.8)
Ø 0.71" (18.1)
0.75" (19.1)
0.77" (19.6)
1.26" (32)
1.28" (32.5)

BKT18O
1.34" (34)
0.78" (19.8)
0.75" (19.1)
Ø 0.71" (18.1)
1.28" (31.8)
Ø 0.78" (19.8)

BKT30F
1.66" (42)
Ø 1.19" (30.1)
Ø 0.78" (19.8)
2.88" (73.1)

BKT30A
Ø 0.78" (19.8)
90°
1.43" (36.2)
0.71" (18.1)
Ø 1.19" (30.1)
0.75" (19.1)
1.10" (27.9)
1.26" (32)
1.81" (46.1)

BKT30O
1.92" (48.8)
1.0" (25.4)
1.12" (28.4)
Ø 1.19" (30.1)
Ø 0.78" (19.8)
1.75" (44.5)

BKTLS
1.55" (39.37)
Ø 0.78" (19.8)
2.80" (71.1)
2.36" (60)
0.75" (19.1)
1.18" (30)
1.26" (32)
Ø 0.21" (5.33)
0.66" (16.7)
2.02" (51.4)

BKTMLS
90°
1.18" (30)
0.59" (15)
Ø 0.78" (19.8)
Ø 0.78" (19.8)
0.75" (19.1)
Ø 0.21" (5.33)
0.66" (16.8)
1.28" (32.5)
2.21" (56.2)

BKTMLSF
1.18" (30)
0.59" (15)
Ø 0.78" (19.8)
1.06" (26.9)
Ø 0.21" (5.33)
1.21" (30.7)
2.76" (70.1)

Signal-Quick™ Sensor Mounting Accessories
Flat and Right Angle Adjustable Brackets

Sensor Mounting Brackets

Eliminate design time and fabrication expense. Choose the Hubbell Angle Bracket or Flat Bracket to mount any tubular proximity sensor.

- Fixed mounting patterns or multi-slotted for positioning versatility.
- Industry standard mounting footprints.
- Rapid installation.
- Immediately available from stock.
- Cost savings over "make your own".

Material Specifications

Material: Stainless Steel

Flat Brackets

Catalog Number	A	B	C	D	E	F	G	Thickness
FB12	0.48" (12.1)	1.95" (49.6)	1.25" (31.8)	0.86" (21.8)	0.47" (11.9)	0.22" (5.54)	0.75" (19.1)	0.12" (3.02)
FB18	0.72" (18.2)	2.27" (57.6)	1.38" (34.9)	1.36" (34.6)	0.22" (5.56)	0.24" (6.05)	1.0" (25.4)	0.12" (3.02)
FB22	0.87" (22.1)	2.27" (57.6)	1.38" (34.9)	1.36" (34.6)	0.22" (5.56)	0.26" (6.48)	0.88" (22.2)	0.12" (3.02)
FB30	1.19" (30.1)	3.42" (86.9)	2.0" (50.8)	2.05" (52)	0.37" (9.40)	0.31" (7.94)	1.25" (31.8)	0.12" (3.02)
FB47	1.86" (47.2)	4.05" (102.8)	2.5" (63.5)	2.24" (56.8)	0.56" (14.3)	0.39" (9.91)	1.5" (38.1)	0.12" (3.02)

Material Specifications

Material: Stainless steel
                         Zinc-plated steel (AAB47)

Adjustable Angle Brackets

Catalog Number	A	B	C	D	E	F	G	H	I	J	K
AAB08	1.0" (25.4)	1.25" (31.8)	1.25" (31.8)	0.34" (8.74)	0.31 (7.92)	0.22" (5.54)	0.62" (15.9)	0.46" (11.9)	0.28" (7.14)	0.07" (1.78)	0.38" (9.53)
AAB12	1.5" (38.1)	1.37" (34.8)	1.5" (38.1)	0.50" (12.7)	0.55" (13.9)	0.22" (5.54)	0.75" (19.1)	0.56" (14.3)	0.31" (7.92)	0.07" (1.78)	0.50" (12.7)
AAB18	2.0" (50.8)	1.37" (34.8)	1.75" (44.5)	0.72" (18.3)	0.75" (19.1)	0.22" (5.54)	1.0" (25.4)	0.56" (14.3)	0.31" (7.92)	0.07" (1.78)	0.63" (15.9)
AAB22	2.0" (50.8)	1.37" (34.8)	1.75" (44.5)	0.88" (22.2)	0.69" (17.4)	0.22" (5.54)	1.0" (25.4)	0.56" (14.3)	0.31" (7.92)	0.07" (1.78)	0.63" (15.9)
AAB30	2.5" (63.5)	1.75" (44.5)	2.25" (57.2)	1.19" (30.1)	0.91" (23)	0.28" (7.11)	1.37" (34.8)	0.81" (20.6)	0.41" (10.3)	0.09" (2.29)	0.75" (19.1)
AAB47	3.5" (88.9)	2.0" (50.8)	2.50" (63.5)	1.87" (47.5)	1.50" (38.1)	0.28" (7.11)	1.50" (38.1)	0.88" (22.2)	0.50" (12.7)	0.12" (3.05)	0.75" (19.1)
AAB47SS	3.5" (88.9)	2.0" (50.8)	2.50" (63.5)	1.87" (47.5)	1.50" (38.1)	0.28" (7.11)	1.50" (38.1)	0.88" (22.2)	0.50" (12.7)	0.12" (3.05)	0.75" (19.1)

Signal-Quick™ Sensor Mounting Accessories
Right Angle Fixed Brackets and Sensor Quick Mounts

Material Specifications

Bracket Material: Stainless Steel

Angle Brackets

Catalog Number	A	B	C	D	E	F	G	H	I
AB12	1.16"" (29.3)	1.0"" (25.4)	1.25" (31.8)	0.48" (12.1)	0.53" (13.5)	0.53" (13.5)	0.75" (19.1)	0.12" (3.02)	0.22" (5.6)
AB18	1.47" (37.3)	1.0" (25.4)	1.38" (34.9)	0.48" (12.1)	0.53" (13.5)	0.78" (19.8)	1.0" (25.4)	1.12" (3.02)	0.24" (6.0)
AB22	1.47" (37.3)	1.0" (25.4)	1.38" (34.9)	0.87" (22.1)	0.78" (19.8)	0.78" (19.8)	0.88" (22.2)	0.12" (3.02)	0.26" (6.6)
AB30	2.13" (54.0)	1.50" (38.1)	2.00" (50.8)	1.19" (30.1)	1.13" (28.7)	1.13" (28.7)	1.25" (31.8)	0.12" (3.02)	0.31" (7.9)
AB47	2.75" (69.9)	1.50" (38.1)	2.50" (63.5)	1.85" (47.2)	1.50" (38.1)	0.94" (23.8)	1.50" (38.1)	0.12" (3.02)	0.39" (9.9)

Sensor Quick Mounts

Install tubular proximity sensors with a mount that securely holds and releases a sensor with a quick twist of a single collet-style nut. Speeds installation and replacement procedures.

Sensor Quick Mounts can be used as a "smart rest pad" for tooling and fixturing. You can rest castings or work pieces right on your sensors. Sensor Quick Mounts can take the load and adjustments are easy with the threaded housing. Sensors confirm part positioning to initiate machining, welding or other control cycles.

• Collet-style locknut secures sensor.
• Integral stop shoulder maintains target gap.
• Housing protects sensor from physical impact.
• Sensor change-out is fast. No adjustments required.
• Target/product can rest on sensor face.
• Create new applications for sensors.
• Short or long barrel lengths.

Jam nuts

Hardened shoulder

Collet-style lock nut

Material Specifications

Material: Nickel-plated brass (body, nuts)
                             Polypropylene (ferrule)

Operating Temperature: 300°F (149°C)

Sensor Quick Mounts

Catalog Number	A	B	C	D	E	F
SM8	0.32" (8.18)	1.28" (32.4)	0.69" (17.5)	M12 x 1	0.15" (3.85)	0.67" (16.9)
SM12	0.47" (12.1)	1.34" (34.0)	0.77" (19.5)	M16 x 1	0.16" (4.01)	0.86" (21.8)
SM18	0.71" (18.1)	1.39" (35.3)	0.82" (20.8)	M24 x 1	0.19" (4.83)	1.18" (30.0)
SM30	1.19" (30.1)	1.40" (35.6)	0.81" (20.6)	M36 x 1	0.23" (5.84)	1.61" (41.0)

Signal-Quick™ Sensor Mounting Accessories
Solid State Limit Switches

Solid State Limit Switches*

Combine the conventional simplicity of limit switches and solid state proximity sensor technology.

- No contacts to wear out, no wiring.
- Directly replaces traditional limit switch.
- Wide selection of operating heads.

Specifications

Material:	Fiberglass reinforced plastic
Environmental Rating:	IP 66 Suitability
Operating Temperature:	-13 to 158°F (-25 to 70°C)
Mechanical Life:	30 million cycles (straight line heads) 25 million cycles (side rotary heads) 10 million cycles (multidirectional heads)

* Sensor not supplied.

Solid State Limit Switches

Catalog Number	Style	Description
SSLS1SRL	12mm	Side Rotary Lever
SSLS1SARL	12mm	Side Rotary Adj. Lever
SSLS1SRMR	12mm	Side Rotary, Metallic Rod
SSLS1SRPR	12mm	Side Rotary, Plastic Rod
SSLS1TMP	12mm	Top Push Metallic Plunger
SSLS1TRL	12mm	Top Rotary Lever
SSLS1TRP	12mm	Top Rotary Plunger
SSLS1TCS	12mm	Top Wobble, Coil Spring
SSLS1TCSPT	12mm	Top Wobble, Coil Spr, Poly Tip

Side Rotary, Roller Lever - SSLS1SRL

Side Rotary, Adjustable Roller Lever - SSLS1SARL

Side Rotary, Metal Rod - SSLS1SRMR

Signal-Quick™ Sensor Mounting Accessories
Solid State Limit Switches

Side Rotary, Plastic Rod - SSLS1SRPR

Top Push, Metal Plunger - SSLS1TMP

Top Push, Roller Lever - SSLS1TRL

Top Push, Roller Plunger - SSLS1TRP

Top Wobble, Coil Spring - SSLS1TCS

Top Wobble, Coil Spring with Poly Tip - SSLS1TCSPT

Dimensions in Inches (mm)

Signal-Quick™ Sensor Mounting Accessories
Stop Screws and Proximity Probes

Jam nuts

Housing

Heat-treated Piston

Stop Screws

Attach any standard shielded proximity sensor to the Stop Screw and create a heavy-duty, solid state switch.

Spring loaded design triggers the sensor when the piston is displaced. The sensor is isolated from impact and separated from the target with a plastic bushing. Two heavy-duty jam nuts secure the Stop Screw to a flat or 90° bracket.

• Isolates sensor from impact damage.
• Heat-treated alloy steel construction.
• Stop travel and sense with one device.
• Versatile outputs using any shielded sensor.
• Accurate and easy adjustments.

Specifications

Material:	Heat-treated, Zinc-plated steel Zinc-plated steel jam nuts
Piston travel:	0.076" (1.93)
Spring rate:	9 oz. (252 grams)
Max. allowable force:	250 lb-ft (2 KN)

Stop Screws

Catalog Number	A	B	C	D	E	F	G
SS0825	M8 x 1	0.98"" (25)	M8 x 1	0.12" (3.16)	0.23" (5.84)	0.24" (6.26)	0.50" (12.8)
SS0850	M8 x 1	1.97" (50)	M8 x 1	0.12" (3.16)	0.23" (5.84)	0.24" (6.26)	0.50" (12.8)
SS1225	M12 x 1	0.98" (25)	M12 x 1	0.17" (4.32)	0.37" (9.40)	0.23" (5.94)	0.62" (15.7)
SS1250	M12 x 1	1.97" (50)	M12 x 1	0.17" (4.32)	0.37" (9.40)	0.23" (5.94)	0.50" (15.7)

Proximity Probes

Use Proximity Probes to monitor internal tooling components or for part detection. Reliable and versatile solid state output allows greater control.

• Spring-loaded probe with Oilite® bearing.
• Reaches into tight areas.
• Compact and highly adjustable.
• Accepts standard shielded 8 or 12mm sensors.

Specifications

Material:	Heat-treated, Zinc-plated steel Zinc-plated steel jam nuts
Piston travel:	0.076" (1.93)
Spring rate:	9 oz. (252 grams)
Max. allowable force:	250 lb-ft (2 KN)

Proximity Probes

Catalog Number	A	B	C	D	E	F
PRB0825	2.98" (75.6)	1.0" (25.4)	M8 x 1 to a depth of .79" (20)	M8 x 1	0.125" (3.18)	0.51" (13)
PRB0850	3.92" (99.6)	2.0" (50.8)	M8 x 1 to a depth of .79" (20)	M8 x 1	0.125" (3.18)	0.51" (13)
PRB1225	2.98" (75.6)	1.0" (25.4)	M12 x 1 to a depth of .71" (18)	M12 x 1	0.125" (3.18)	0.67" (17)
PRB1250	3.92" (99.6)	2.0" (50.8)	M12 x 1 to a depth of .71" (18)	M12 x 1	0.25" (6.35)	0.67" (17)

Probe Travel
PRB0825, PRB0850 - Maximum: .076" (1.93) Activation varies by sensing range, typically: .005" (0.13) to .01" (0.25)
PRB1225, PRB1250 - Maximum: .076" (1.93) Activation varies by sensing range, typically: .010" (.25) to .015" (.38)

Signal-Quick™ Sensor Mounting Accessories
Protective Caps

Protective Caps

Use thread-on caps or epoxy-on faces to protect proximity sensors from dangerous elements on the plant floor.

• Reduces and/or eliminates abrasion damage.

• Reduces downtime and sensor replacement expenses.

• Available in ceramic, Derlin® and Teflon®.

Specifications

Material:	Delrin, Teflon, Ceramic
Operating Temperature:	Delrin: 160°F; Teflon: 400°F, Ceramic: 4172°F

Shielded

Non-Shielded

Protective Caps

Catalog Number	Style	Description	A	B	C	Thread
PC08T	8mm	Teflon	0.22" (5.10)	0.43" (10.9)	0.02" (0.51)	M8 x 1
PC08NT	8mm	Non-shielded, Teflon	0.39" (9.75)	0.43" (10.9)	0.02" (0.51)	M8 x 1
PC12T	12mm	Teflon	0.35" (8.90)	0.58" (14.7)	0.04" (0.89)	M12 x 1
PC12D	12mm	Delrin	0.35" (8.90)	0.58" (14.7)	0.04" (0.89)	M12 x 1
PC12ND	12mm	Non-shielded, Delrin	0.60" (15.2)	0.58" (14.7)	0.04" (0.89)	M12 x 1
PC12C	12mm	Ceramic	0.35" (8.90)	0.58" (14.7)	0.04" (0.89)	M12 x 1
PC18T	18mm	Teflon	0.35" (8.90)	0.95" (24.1)	0.05" (1.14)	M18 x 1
PC18D	18mm	Delrin	0.35" (8.90)	0.95" (24.1)	0.05" (1.14)	M18 x 1
PC18ND	18mm	Non-shielded, Delrin	0.70" (17.8)	0.95" (24.1)	0.05" (1.14)	M18 x 1
PC18C	18mm	Ceramic	0.35" (8.90)	0.95" (24.1)	0.05" (1.14)	M18 x 1
PC30D	30mm	Delrin	0.39" (9.90)	1.50" (38.1)	0.08" (2.03)	M30 x 1
PC30ND	30mm	Non-shielded, Delrin	1.0" (25.4)	1.50" (38.1)	0.08" (2.03)	M30 x 1
PC30T	30mm	Teflon	0.39" (9.90)	1.50" (38.1)	0.08" (2.03)	M30 x 1
PC30C	30mm	Ceramic	0.39" (9.90)	1.50" (38.1)	0.08" (2.03)	M30 x 1

Signal-Quick™ Sensor Mounting Accessories
End Caps and Ceramic Faces

End Caps

• Use alone or with Cushioned Sensor Mount.
• Beveled edge deflects lateral impacts.
• Reduces and or eliminates abrasion damage.
• Reduces downtime and sensor replacement expenses.

Specifications

Material: Delrin (Non-Shielded)
                        Glass-filled Nylon (Shielded)
                        Polypropylene (EC30)

Shielded

Non-Shielded

End Caps

Catalog Number	Style	A	B	C	D	E	Thread
Shielded							
EC08	8mm	0.21" (5.28)	0.60" (15.2)	0.015" (.38)	0.25" (6.45)	N/A	M8 x 1
EC12	12mm	0.25" (6.35)	0.96" (24.4)	0.015" (.38)	0.45" (11.4)	N/A	M12 x 1
EC18	18mm	0.33" (8.38)	1.23" (31.3)	0.03" (.76)	0.73" (17.5)	N/A	M18 x 1
EC30	30mm	0.30" (7.62)	1.72" (43.7)	0.03" (.76)	1.13" (28.6)	N/A	M30 x 1
Non-Shielded							
EC08N	8mm	0.20" (5.08)	0.57" (14.5)	0.015" (.38)	0.25" (6.45)	0.37" (9.50)	M8 x 2
EC12N	12mm	0.25" (6.35)	0.90" (22.9)	0.03" (.76)	0.45" (11.4)	0.68" (17.3)	M12 x 1
EC18N	18mm	0.33" (8.38)	1.34" (34.0)	0.025" (.64)	0.67" (17.0)	0.70" (17.8)	M18 x 1
EC30N	30mm	0.31" (7.87)	1.75" (44.5)	0.04" (1.02)	1.15" (29.2)	0.90" (22.9)	M30 x 1

Note: The wear surface thickness (Dimension C) does not reduce a sensor's sensing range, but will consume an equal amount of the gap required between the sensor and target.

Ceramic Faces

Bond to sensor face with any epoxy.
• Use when threads are inaccessible.
• Reduces and or eliminates abrasion damage.
• Reduces downtime and sensor replacement expenses.

Specifications

Material: Ceramic
Operating Temperature: 4172°F" (2300C)

Ceramic Faces

Catalog Number	Style	A	B
CF08	8mm	0.23" (5.80)	0.12" (3.0)
CF12	12mm	0.41" (10.4)	0.12" (3.0)
CF18	18mm	0.60" (15.2)	0.02" (.50)
CF30	30mm	0.98" (27.9)	0.02" (.50)

Note: The wear surface thickness (Dimension B) does not reduce a sensor's sensing range, but will consume an equal amount of the gap required between the sensor and target.

Signal-Quick™ Sensor Mounting Accessories
Block Mounts

Block Mounts

Bond to sensor face with any epoxy.

• Use when threads are inaccessible.

• Reduces and/or eliminates abrasion damage.

• Reduces downtime and sensor replacement expenses.

Specifications

Material: Glass-filled Nylon
Anodized aluminum

Metallic

Nylon

Block Mounts

Catalog Number	Style	A	B	C	D	E	F
Metallic							
BM08M	8mm	0.32" (8.05)	0.62" (15.8)	1.0" (25.4)	0.75" (19.0)	0.72" (18.4)	0.14" (3.58)
BM12M	12mm	0.48" (12.1)	1.0" (25.4)	1.5" (38.1)	0.75" (19.0)	0.98" (24.9)	0.20" (5.08)
BM18M	18mm	0.71" (18.1)	1.25" (31.7)	1.5" (38.1)	1.0" (25.4)	1.21" (30.7)	0.18" (4.58)
BM30M	30mm	1.19" (30.1)	2.0" (50.8)	2.5" (63.5)	1.38" (34.9)	2.03" (51.5)	0.26" (6.73)
Nylon							
BM08N	8mm	0.32" (8.05)	1.06" (27)	0.63" (16)	0.47" (12)	0.67" (17)	0.18" (4.5)
BM12N	12mm	0.48" (12.1)	1.26" (32)	0.79" (20)	0.47" (12)	0.87" (22)	0.18" (4.5)
BM16N	16mm	0.63" (16.1)	1.42" (36)	1.02" (26)	0.47" (12)	1.02" (26)	0.18" (4.5)
BM18N	18mm	0.71" (18.1)	1.42" (36)	1.02" (26)	0.47" (12)	1.02" (26)	0.18" (4.5)
BM20N	20mm	0.79" (20.1)	1.77" (45)	1.18" (30)	0.59" (15)	1.26" (32)	0.22" (5.5)
BM22N	22mm	0.87" (22.1)	1.77" (45)	1.18" (30)	0.59" (15)	1.26" (32)	0.22" (5.5)
BM30N	30mm	1.18" (30.1)	2.17" (55)	1.50" (38)	0.71" (18)	1.65" (42)	0.22" (5.5)
BM36N	36mm	1.42" (36.1)	2.40" (61)	1.73" (44)	0.71" (18)	1.89" (48)	0.22" (5.5)

Dimensions in Inches (mm)

Signal-Quick™ Sensor Mounting Accessories
Universal Aiming Brackets

Universal Aiming Brackets

Attach limit switch style (30mm threaded base) or threaded barrel photoelectric and ultrasonic sensors. Achieve secure mounting quickly and with ease.

- Swivel action for aiming simplicity.
- Durable glass-filled nylon construction.
- Regular or extended base models.
- Sizes for 12, 18 and 30mm threaded sensors.

Material Specifications

Material: Glass-filled Nylon

Bracket, Standard

Bracket, Extended

Universal Aiming Brackets

Catalog Number	Style	Description	Thread
UB12	12mm	Bracket	M12 x 1
UB12E	12mm	Bracket, Extended Base	M12 x 1
UB18	18mm	Bracket	M18 x 1
UB18E	18mm	Bracket, Extended Base	M18 x 1
UB30	30mm	Bracket	M30 x 1.5
UB30E	30mm	Bracket, Extended Base	M30 x 1.5

Conversion Brackets

Allows 12mm and 18mm sensors to replace a wide variety of standard limit switches.

- Simple to secure with a set screw.
- Abuse resistant glass filled nylon material.

Material Specifications

Material: Glass-filled Nylon

Conversion Brackets

Catalog Number	Sensor Style	A	B	C	D
CB12	12mm	0.47" (12.1)	1.57" (40)	0.62" (15.8)	0.98" (25)
CB18	18mm	0.71" (18.1)	1.77" (45)	0.87" (22)	1.18" (30)

HUBBELL **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Signal-Quick™ Sensor Mounting Accessories
Well Mounts

Well Mounts

Adapt tubular proximity sensors to a wide variety of vessels for level detection applications. Keep systems sealed prior to sensor installation, as well as during sensor removal. Reliability and performance is improved because the sensor is isolated from the system fluids/materials.

- Delrin®, UHMW and Teflon® models.
- Accommodates all sensor diameters.
- Types include flange mount, SAE and NPT threads.

Catalog Number	Style	Description	A	B	C	D	E	F	G	H	I	NPT
WMPTSB12D	12mm	PTSB, Delrin	1.75" (44.5)	1.30" (33)	1.05" (26.7)	0.36" (9.14)	0.03" (.76)	0.70" (17.8)	0.99" (25.1)	1.25" (31.8)	0.48" (12.1)	½ x 14
WMPTSB18D	18mm	PTSB, Delrin	2.35" (59.7)	1.90" (48.3)	1.53" (38.9)	0.65" (16.5)	0.06" (1.52)	0.89" (22.6)	1.24" (31.5)	1.47" (37.3)	0.71" (18.1)	¾ x 14
WMPTSB30T	30mm	PTSB, Teflon	2.35" (59.7)	1.90" (48.3)	1.53" (38.9)	0.65" (16.5)	0.06" (1.52)	1.44" (36.6)	1.75" (44.5)	1.75" (44.5)	1.19" (30.1)	1¼ x 11.5
WMSAESB18D	18mm	SAESB, Delrin	See diagram									
WMBHSB30D	30mm	BHSB, Delrin	See diagram									
WMCTTB30T	30mm	CTTB, Teflon	See diagram									
WMFMSB30H	30mm	FMSB, UHMW	See diagram									

Specifications

Material:
PTSB, SAESB, BHSB style: Delrin®, stainless steel band clamps, neoprene o-ring
CTTB style: Teflon®
Flange style: UHMW-PE (body), stainless steel band clamps, neoprene o-ring

Max. allowable PSI: 120

WMPTSB12D, WMPTSB18D, WMPTSB30T

Band clamp

WMSAESB18D

O-ring   Band clamp

WMBHSB30D

Band clamp

WMCTTB30T

M30x1.5

WMFMSB30H

O-ring   Band clamp

Signal-Quick™ Sensor Mounting Accessories
Sight Glass Mounts and Conduit Adapters

Single Glass Mounts

Quickly attach tubular proximity sensors to glass and plastic indicator tubes for level detection.

• Rapid "out of tank" adjustments.

• Simple sensor change-out/replacement.

• For 9.5mm (⅜") to 44mm (1¾") tubes.

• Stainless steel and Delrin® Construction.

Specifications

Material:	Delrin® (body), stainless steel (hardware)
Pipe Range:	⅜" - 1¾"

Conduit Adapters

Catalog Number	Style	A	B	C	D	E	F	G
SGM12D	12mm	0.48" (12.2)	0.77" (19.6)	1.50" (38.1)	1.16" (29.5)	0.51" (13)	0.42" (10.5)	0.37"-.81" (9.40-20.6)
SGM18D	18mm	0.71" (19.6)	1.0" (25.4)	1.75" (44.5)	1.50" (38.1)	0.63" (15.9)	0.46" (11.7)	0.63"-1.12" (16.0-28.4)
SGM30D	30mm	1.19" (30.1)	1.45" (36.8)	2.75" (69.9)	2.67" (67.8)	1.25" (31.8)	0.75" (19.1)	1.0"-1.7" (25.4-44.5)

Conduit Adapters

Seal your sensor and the cable in conduit for harsh environments. One end is threaded for ½" conduit and the other for standard 12, 18 or 30mm sensors.

• Round steel or Hex aluminum styles.

• Fully threaded to accommodate all sensors.

Specifications

Material:	Zinc-plated Steel (round)
	Aluminum (hex)

Conduit Adapters

Round body

Hex body

Catalog Number	Sensor Style	Description	A	B	C
CAR12	M12	Round Conduit Adapter	M12 x 1	0.69" (17.5)	1.97" (50)
CAH12	M12	Hex Conduit Adapter	M12 x 1	0.99" (25.1)	1.97" (50)
CAR18	M18	Round Conduit Adapter	M18 x 1	0.84" (21.3)	2.18" (55.4)
CAH18	M18	Hex Conduit Adapter	M18 x 1	0.99" (25.1)	2.18" (55.4)
CAR30	M30	Round Conduit Adapter	M30 x 1.5	1.31" (33.3)	2.68" (68.1)
CAH30	M30	Hex Conduit Adapter	M30 x 1.5	1.37" (34.9)	2.68" (68.1)

Round

16.5" (0.65)

25.1" (0.99)

Hex

CableTrak® Hose and Cable Carrier System
Assembly and Installation

The design of CableTrak carriers provides easy access to components during installation and repair. The track's flip top design allows the installer to lay cable and hose components directly into the track instead of pulling them through the length of the track. Hubbell CableTrak carriers can be ordered as assembled kits with brackets or by the foot without brackets. The final length of the track is easily customized by adding or removing sections of track or individual links with a flat head screwdriver.

CableTrak® Installation

1. Unlock Tab…

2. Locking tabs secure the retaining bar into place. To unlock tabs, slide a flat head screwdriver under the tab and release it with a twisting motion.

Access/Install Cables and Hoses

3. Easy access is important, especially for pre-assembled cable/hose sets involving large O.D. plugs, receptacles, and couplings.

4. Lock Tab…

5. To re-secure retaining bars, engage the hinge and snap the locking tab into place.

CableTrak® Hose and Cable Carrier System
Ordering Information

TRAVEL

End Mounting:
Track travel length = Machine travel length.

CableTrak Kit with Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	K Min Brkt to Bend	M Brkt to Pivot	P Pitch	L* Curve Length (ft)
HCT10114K**	4.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	5.68"	1.33"	1.250"	1.000'
HCT10219K**	4.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	5.41"	1.33"	1.250"	1.000'
HCT16119K	4.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16134K	4.5'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16219K	4.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16234K	4.5'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16334K	4.5'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16434K	4.5'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT25134K	4.5'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25234K	4.5'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25247K	5.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'
HCT25347K	5.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'

CableTrak Kit without Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	Max Hose/Cab O.D.	Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	P Pitch	L* Curve Length (ft)
HCT101141**	1.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	1.250"	1.000'
HCT102191**	1.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	1.250"	1.000'
HCT161191	1.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT161341	1.0'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT162191	1.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT162341	1.0'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT163341	1.0'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT164341	1.0'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT251341	1.0'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252341	1.0'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252471	1.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'
HCT253471	1.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'

*L = Minimum length in feet to form CableTrak® curve.
** These models do not have a flip top design and do not accept separators due to their small size.

CableTrak® Hose and Cable Carrier System
Accessories

← Track Travel of BASIC KIT (C) = 3 ft. →

EXTENDERS (D)

Track Travel with EXTENDERS (D) when inserted increases travel by 1 ft.

CENTER MOUNTING: Mounting the fixed track end in the center of the machine travel allows the track to travel beyond the fixed end. Center mounting effectively doubles the travel distance of the track requiring half the track length of an end mounted application.

Center Mount Travel = 2 x SUM of KITS

SUM OF KITS   SUM OF KITS

Window Opening

A

B

Fixed Point End/Center Mounting

Calculating

Center Mount (Stationary bracket mounted in center of travel range): Track Length = (MT/2) + L
End Mount (Stationary bracket mounted off center of travel range): Track Length = (MT/2) + L + offset from center in feet
MT = Total machine travel distance in feet
L = Length of track taken up by the bend radius

Customizing Track Length

Hubbell CableTrak is easily customized by adding or subtracting links to the track. CableTrak kits provide 4 to 5 feet of track with brackets pre-installed. Track length can be increased by installing the required number of extenders to reach the required length. To further tune the length of track, individual links can be added or removed. To determine the number of links to add or remove, divide the length in inches to be added or subtracted by the pitch of the track and round up.

CableTrak Accessories

Bracket Kits	For Use With	A	B	C	D	E	F	G	H
HCTBK101	HCT101 Series	.40" (10.2)	.81" (20.6)	.47" (12.0)	.94" (23.9)	–	–	–	–
HCTBK102	HCT102 Series	.44" (11.2)	1.22" (31.0)	.44" (11.2)	1.35" (34.3)	–	–	–	–
HCTBK161	HCT161 Series	.99" (25.2)	1.97" (50.1)	.87" (22.1)	1.84" (46.7)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK162	HCT162 Series	1.78" (45.2)	2.75" (69.9)	1.65" (41.9)	2.63" (66.8)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK163	HCT163 Series	2.57" (65.3)	3.55" (90.2)	2.44" (62.0)	3.42" (86.9)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK164	HCT164 Series	3.56" (90.4)	4.53" (115.1)	3.47" (88.1)	4.41" (112.0)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK251	HCT251 Series	2.08" (52.8)	3.21" (81.5)	1.80" (45.7)	3.03" (77.0)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK252	HCT252 Series	3.74" (95.0)	4.87" (123.7)	3.46" (87.9)	4.69" (119.1)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK253	HCT253 Series	6.08" (154.4)	7.21" (183.1)	5.80" (147.3)	7.03" (178.6)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
Separators	**For Use With**	**A**	**B**	**C**	**D**	**E**	**F**		
HCTSP16PK12	HCT16_ Series	1.24" (31.5)	.82" (20.8)	.94" (23.9)	.27" (6.9)	.14" (3.6)	.50" (12.7)		
HCTSP25PK12	HCT25_ Series	2.03" (51.6)	1.00" (25.4)	1.19" (30.2)	.35" (8.9)	.15" (3.8)	.62" (15.8)		

Separators

A
B
C
D
E
F

HCTBK161 – HCTGK253 Brackets

G
F
H
E
A
B

G
F
H
E
C
D

Female   **Male**

HCTBK102 – Brackets

.22" (5.59)
.578" (14.68)
1.33" (33.78)
1.02" (25.91)
C
.22" (5.59)
.40" (10.16)
D

.22" (5.59)
.578" (14.68)
1.33" (33.78)
1.02" (25.91)
A
.22" (5.59)
.40" (10.16)
B

Female   **Male**

HCTBK101 – Brackets

⌀.22" (5.59)
.578" (14.68)
1.33" (33.78)
1.02" (25.91)
.22" (5.59)
C
D

⌀.22" (5.59)
.578" (14.68)
1.33" (33.78)
1.02" (25.91)
.22" (5.59)
A
B

Female   **Male**

CableTrak® Hose and Cable Carrier System
Mounting Options and Specifications

Horizontal Travel

Fixed End

Fixed End

Combination
Horizontal & Vertical Travel

Opposed Travel

Fixed End

Fixed Ends

Vertical Travel

Curve Up

Curve Down

Back-Up Surface

Fixed End

Back-Up Plate

Back-Up Plate

Fixed End

Back-Up Surface

Specifications

Material	Fiberglass reinforced nylon.
Operating Temperature	Continuous +20°F – +100°F (-7°C – 38°C). *Intermittent -40°F – +220°F (-40°C – 104°C).
Maximum Operating Speed	600 FPM (feet per minute), 180 MPM (meters per minute). Operating speed is based on short lengths that are self supported (up to 9ft.).
Maximum Unsupported Travel Distance	HCT16 Series without sag 9 ft. (2.8 m) with sag 10.5 ft. (3.2 m). HCT25 Series without sag 13.5 ft. (4.1 m) with sag 17 ft. (5.2 m).
Applications	Machine tool, robotic automation, material handling.

* Intermittent refers to the operating of the product outside the normal (continuous operating) temperature range momentarily before returning back to the normal range.

DIN Rail Utility Box
Power and Data
Complete Units and Component Parts

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other need is now at your disposal. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes are available in gray and may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex Receptacles

DRUB15

Description	Color	Catalog Numbers	
Complete Unit	Gray	**DRUB15**	**DRUB20**
Complete Unit- Horizontal Mount	Gray	**DRUB15H**	–
Complete Unit with 5A Circuit Breaker	Gray	**DRUB15CB5**	–
Complete Unit with 5A Circuit Breaker - Horizontal	Gray	**DRUB15HCB5**	–
Complete Unit with Aux	Gray	–	**DRUB20AC**
Complete Unit with Aux and 5A Circuit Breaker	Gray	–	**DRUB20ACCB5**
Complete Unit with 6-15R Duplex	Gray	**DRUB5462***	

*Note: * DRUB5462 configuration not pictured*

GFCI Duplex Receptacles

DRUBGFI15AC

Description	Color	Catalog Numbers	
Complete Unit	Gray	**DRUBGFI15**	**DRUBGFI20**
Complete Unit - Horizontal	Gray	**DRUBGFI15H**	–
Complete Unit with 5A Circuit Breaker	Gray	**DRUBGFI15CB5**	–
Complete Unit with 5A Circuit Breaker - Horizontal	Gray	**DRUBGFI15HCB5**	–
Complete Unit with Aux GFCI Contacts	Gray	**DRUBGFI15AC**	**DRUBGFI20AC**
Complete Unit-Faceless with Aux GFCI Contacts	Gray	**DRUBGFI20BFAC**	–

TVSS Duplex Receptacles

DRUBTVSS15

Description	Color	Catalog Numbers	
Complete Unit	Gray	**DRUBTVSS15**	–

Isolated Ground Duplex Receptacles

Description	Color	Catalog Numbers	
Complete Unit	Gray	**DRUBIG15**	–

Toggle Switch Unit

DRUBIG15

Description	Color	Catalog Numbers	
HBL1221 in Complete Unit with Aux	Gray	**DRUB1221AC**	–
Complete unit with SW/REC	Gray	**DRUB6404**	–

DIN Rail Utility Box Components

HIDRUBCKIT

Description	Color	Catalog Numbers
Prewired Kit without Circuit Breaker	Gray	**DRUBKIT**
Prewired Kit with Circuit Breaker	Gray	**DRUBKITCB5**
Prewired Kit with Aux	Gray	**DRUBKITAC**
Prewired Kit with Circuit Breaker and Aux	Gray	**DRUBKITACCB5**
Communications Kit (Unloaded) (For use with network wiring frames in section P)	Gray	**HIDRUBCKIT**
Switch Plate Only	Gray	**KP1GY**
Rectangular Opening Plate Only	Gray	**KP26GY**
1.60" Opening Plate Only	Gray	**KP720GY**
1.40" Opening Plate Only	Gray	**KP7GY**
Duplex Receptacle Plate Only	Gray	**KP8GY**

PANEL-SAFE™
Power and Data Access Ports

NFPA 70E Compliant

**Available in
NEMA TYPE 4, 12 and
NEMA TYPE 4X Versions!**

Hubbell GFCI with
Functionality Indicator

Protective clear cover

Cat. 5e Ethernet access*

Overcurrent protection

Supplemental "Tool"
entry screw closure

Locking Hasp
accepts ⁵⁄₃₂" padlock

Additional convenience
outlet on GFCI versions

Finger-safe contacts

Stainless steel snap latch

*** Additional computer interfaces and PLC connections available upon request.***

Specifications

Electrical	GFCI - conforms to UL 943 2006 requirement In-Cabinet Receptacle - GFCI protected Data Jack - Cat. 5e Circuit Breaker - 3A	Environmental	Enclosure - NEMA Type 4, 12 and NEMA Type 4X
Mechanical	Cover - Clear Polycarbonate (UV Rated) Housing - Cast Aluminum Finish - Powder Coat Latch - Stainless steel	Certification	UL Recognized CSA Certified

PANEL-SAFE™
Power and Data Access Ports

NFPA 70E Compliant

Power Only

Description	NEMA TYPE 4, 12	NEMA TYPE 4X
20A 125V GFCI with In-Cabinet Receptacle	**PR20**	—

PR20

Data Only

Description	NEMA TYPE 4, 12	NEMA TYPE 4X
Cat. 5e Ethernet Access only	**P5E**	**P4X5E**
DB9 Interface Connector only	**PDB9**	—
DH + Combo (DB9/8M Din) and Cat. 5e Ethernet	**PDH5E**	—

P5E

Power and Data

Description	NEMA TYPE 4, 12	NEMA TYPE 4X
20A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access	**PR205E**	**PR4X205E**
20A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker	**PR205EB**	**PR4X205EB**
20A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din)	**P20DH5E**	—
15A 125V Power and Cat. 5e Ethernet Access	**P155E**	**P4X155E**
15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker	**P155EB**	**P4X155EB**
15A 125V Power and (2) Cat. 5e Ethernet Access	**P155E2**	—
15A 125V Power and DH485 Interface (RJ-45F to RJ-45M, 10' Cable)	**P15DH485C10**	—
15A 125V Power and Micrologix 8M Din/F to 8M Din/M, 10' Cable	**P15ML8F8MC10**	—

PR205E

PR205EB

P155E

P155EB

Additional computer interfaces, PLC connections and configurations available upon request. Consult factory for catalog number and availability.

HI-IMPACT™
Industrial Ethernet Connector and Harsh Environment Connectors

Category 6 and 5e component connectors

Housing made from high impact polymer

IP67 rated - sealed connection

O-Rings for moisture protection

Standard Hubbell Keystone Latching System

Industrial/Manufacturing

Medical

Harsh Environment

Oil/Mining

Industrial Ethernet and Harsh Environment Connectors

Hubbell's Industrial Ethernet System provides leading edge Category 5e and 6 network transmission performance suitable for industrial and other harsh environments. This system incorporates the use of our standard data connectivity jacks which feature our keystone latching mechanism, in a rugged sealed housing providing IP67 rated protection.

Extend your LAN to include automation equipment and manufacturing or process control equipment. Utilize the Hubbell system to provide added protection in harsh environments such as convention centers, food processing plants, outdoor billboards and display screens, medical and other environments which require added protection from moisture, corrosion, dust-debris, vibration and chemicals.

Industrial Ethernet Connectors

Description	Catalog Number
Cat. 5e Connector	**HI5E**

Description	Catalog Number
Cat. 5e Shielded Connector	**HI5ESC**

Description	Catalog Number
Cat. 5e Inline Coupler Connector	**HI5EC**

Description	Catalog Number
Cat. 6 Connector	**HI6**

Description	Catalog Number
F-Connector	**HIF**

Environmental Specifications

Ingress Protection:	NEMA TYPE 4X (connectors). IP67 and IP66 (dust/water). IP55 (plates).
Corrosion:	Resistant to most common chemicals, oils and cleaning agents.
HI-IMPACT Housing:	UV resistant.
HI-IMPACT Housing Temperature Range:	TIA/EIA-568-B.2 -25°C to 70°C.

Material

HI-IMPACT Housing:	Valox®, UL 94V-0.
Nose Contacts:	Beryllium copper with a minimum of 50 micro-inch gold plating over nickel under plating.

Mechanical

Vibration
Frequency Range:	10-500Hz.
Acceleration:	5g (operational).
Mating Cycles:	750 minimum.

UL 1863 compliant.

Electrical

ANSI/TIA/EIA-568-B.2-1 (Cat. 6 and 5e).
Supports TIA-1005 Industrial Telecommunications Infrastructure.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HI-IMPACT™
Industrial Ethernet Patch Cords, Plugs, Wall Plates and Surface Mount Boxes

Industrial Ethernet Patch Cords and Plugs

Description	Catalog Number	Catalog Number
HI-IMPACT RJ-45 to standard RJ-45	**HI6xxAE**	**HI5ExxAE**
HI-IMPACT RJ-45 on both ends	**HI6xxEE**	**HI5ExxEE**
Standard RJ-45 on both ends	**HI6xxAA**	**HI5ExxAA**

Patch Cords, F-Connector (RG59)	Catalog Number
F-connector HI-IMPACT F to standard F (RG59)	**HIFxxAE**
F-connector HI-IMPACT F to HI-IMPACT F (RG59)	**HIFxxEE**

Substitute "xx" with 03, 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 to indicate length in feet.

HIFxxAE

Field Termination Plugs, Bulk Patch Cord and Cap

Description	Catalog Number
Field Termination Plug, Category 5e	**HI5EP**
Field Termination Plug, F-connector (RG59)	**HIFP**
HI-IMPACT Bulk Cable, Category 5e	**HIPC100**
HI-IMPACT Bulk Cable, RG59 coaxial cable	**HIF100**
Connector Cap	**HIC**

HIPC100

HI5EP

HIC

HI-IMPACT Wall Plates

Description	Port Size	Gang	Color	Catalog Number
Stainless Steel Wall Plate	1	1	Stainless Steel	**HISF11**
Stainless Steel Wall Plate	2	1	Stainless Steel	**HISF12**
Stainless Steel Wall Plate	2	2	Stainless Steel	**HISF22**
Stainless Steel Wall Plate	4	2	Stainless Steel	**HISF24**
Thermoplastic 4-Point FS/FD	1	1	Gray	**HI14GY**
Thermoplastic 4-Point FS/FD	1	1	Yellow	**HI114PY**
Thermoplastic 4-Point FS/FD	2	1	Gray	**HI24GY**
Thermoplastic 4-Point FS/FD	2	1	Yellow	**HI124PY**

HISF11

HI114PY

HI-IMPACT Surface Mount Boxes

Description	Ports	Color	Catalog Number
Thermoplastic NEMA 4X Box	1	Gray	**HI14XGY**
Thermoplastic NEMA 4X Box	2	Gray	**HI24XGY**
Thermoplastic NEMA 4X Box	4	Gray	**HI44XGY**
Thermoplastic NEMA 4X Box	6	Gray	**HI64XGY**
Stainless Steel NEMA 4X Box	1	Stainless Steel	**HI1CBSS**
Stainless Steel NEMA 4X Box	2	Stainless Steel	**HI2CBSS**
Steel, Gray (Powder-coated) NEMA 4/12 Box	1	Gray	**HI1CB2G**
Steel, Gray (Powder-coated) NEMA 4/12 Box	2	Gray	**HI2CB2G**
½" Hub Size Cast Aluminum Device Box with Lugs		Gray	**HIFD1L**
¾" Hub Size Cast Aluminum Device Box with Lugs		Gray	**HIFD2L**

HIFD2L

HI1CBSS

HI-IMPACT™
RE-BOX® Remote Equipment Cabinets

Dust and Watertight gasket on door.

Rear Mounting Panel with equipment mounting brackets (brackets shipped in pre-configured enclosures only).

Field-Configurable to suit multiple applications

¼-Turn Oil-tight Latches on front cover for secure closure.

Available in UL Versions Type NEMA 3R, 12, 4, 4X and 13.

Protects Commercial Network Equipment located in harsh environments.

Print Pocket is provided.

Specifications

• 14 ga. steel body and door.
• Continuously plasma-welded seams.
• Poured-in polyurethane gasket on door.
• ANSI 61 Gray polyester inside and out over phosphatized surfaces.
• Usable depth: 11.59" Nominal depth: 12".
• Dust and watertight to NEMA 12.
• UL Listed to UL 508 Type 12 enclosures*.
• cUL Certified types 4 and 12**.
• NEMA/EEMAC Types 4, 12, and 13.
• JIC EL-1-7.

* UL File #E64791
** cUL File #LL66078

HI-IMPACT™ RE-BOX® Remote Equipment Cabinet

Use the unloaded RE-BOX® in harsh applications such as a manufacturing floor. The modular design of this cabinet is very versatile, allowing the installer to configure the cabinet with a wide variety of accessories to mount any type of components. Use the pre-configured RE-BOX® as a small remote data center in an industrial environment. Each cabinet includes dedicated mounting for hubs and other active equipment and another dedicated mounting area for patch panels.

User-Configurable Version

Height	NEMA Rating	Material	Finish	Catalog Number
24" (610)	3R	Cold Rolled Steel	Gray Powder Coat	**IR2U3RG**
24" (610)	4/12/13	Cold Rolled Steel	Gray Powder Coat	**IR2UG**
24" (610)	4X	Stainless Steel	Brushed, unpainted	**IR2USS**
36" (914.4)	3R	Cold Rolled Steel	Gray Powder Coat	**IR3U3RG**
36" (914.4)	4/12/13	Cold Rolled Steel	Gray Powder Coat	**IR3UG**
36" (914.4)	4X	Stainless Steel	Brushed, unpainted	**IR3USS**
48" (1219.2)	4/12/13	Cold Rolled Steel	Gray Powder Coat	**IR4UG**

Pre-Configured Version

Height	NEMA Rating	Material	Finish	Catalog Number
36" (914.4)	4/12/13	Cold Rolled Steel	Gray Powder Coat	**IR3PG**
48" (1219.2)	4/12/13	Cold Rolled Steel	Gray Powder Coat	**IR4PG**

Includes: 1 bottom-hinged patch panel bracket, 4U (**REK19**); and 1 equipment mounting bracket, 5U (**REKZ**).

HI-IMPACT™ RE-BOX® Remote Equipment Cabinet

Hubbell's HI-IMPACT NEMA 4X and 4/12 consolidation point cabinets are designed for harsh environments where oil, dirt, dust and moisture are present. The HI-IMPACT consolidation point cabinet is a perfect solution to house and secure small switches, wireless access points and cross connect products in harsh environments such as factory floor, convention centers, correctional facilities, and commercial kitchens.

Specifications

• Body and door fabricated from 14 gauge 304 stainless steel and 14 gauge 316 stainless steel.
• Continuously plasma-welded seems.
• ¼-turn, oil-tight latches on door.
• Poured-in polyurethane gasket on door.
• ANSI 61 Gray polyester inside and out over phosphatized surfaces (HICP412G).

Size	NEMA Rating	Material/Finish	Catalog Number
12x12x8	4X	Stainless Steel	**HICPSS**
12x12x8	4/12	Gray Powder Coat	**HICP412G**

Section H
Ground Fault Products

Index

Tamper-Resistant GFCI Receptacles

GFCI Receptacles

GFCI Sensing Module and Circuit Breaker

Portable GFCI Products

Ground Fault Products
Extra Heavy Duty and Hospital Grade Tamper-Resistant GFCI Receptacles
15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

Meets July 28, 2006
UL Standard 943
Class A GFCI

10ka Short Circuit Current Rating

Limits improper access to energized contacts.
• Patented tamper-resistant protection.

Continually tests and monitors for people protection automatically.
• Patented self test diagnostics.

Power indication.
• Steady **"ON" GREEN LED** provides indication of power.

Ground fault indicator.
• Steady **"ON" RED LED** provides visual indication of a ground fault condition. Flashing red indicates device has lost capability to provide protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

Durable face with V-0 flammability rating.
• Polyester face cover.

GFR5362SGI

GFR8300SGI

GFR5362ITR

GFR8300ITR

AUTOGUARD™ Self Test GFCI Receptacles
Tamper-Resistant, Weather Resistant

15A 125V NEMA 5-15R 20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	GFR5262SGBK	GFR5362SGBK
		Brown	GFR5262SG	GFR5362SG
		Gray	GFR5262SGGY	GFR5362SGGY
		Ivory	GFR5262SGI	GFR5362SGI
		Red	GFR5262SGR	GFR5362SGR
		White	GFR5262SGW	GFR5362SGW
Hospital Grade ● Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	GFR8200SGBK	GFR8300SGBK
		Brown	GFR8200SG	GFR8300SG
		Gray	GFR8200SGGY	GFR8300SGGY
		Ivory	GFR8200SGI	GFR8300SGI
		Red	GFR8200SGR	GFR8300SGR
		White	GFR8200SGW	GFR8300SGW

Circuit Guard® GFCI Receptacles
Tamper-Resistant, Weather Resistant

15A 125V NEMA 5-15R 20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	GFR5262BKTR	GFR5362BKTR
		Brown	GFR5262TR	GFR5362TR
		Gray	GFR5262GYTR	GFR5362GYTR
		Ivory	GFR5262ITR	GFR5362ITR
		Red	GFR5262RTR	GFR5362RTR
		White	GFR5262WTR	GFR5362WTR
Hospital Grade ● Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	GFR8200BKTR	GFR8300BKTR
		Brown	GFR8200TR	GFR8300TR
		Gray	GFR8200GYTR	GFR8300GYTR
		Ivory	GFR8200ITR	GFR8300ITR
		Red	GFR8200RTR	GFR8300RTR
		White	GFR8200WTR	GFR8300WTR

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color nylon wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feedthrough capability.
* Refer to Technical Section X, page X-8 for TR and WR descriptions.

HUBBELL®

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Ground Fault Products
Heavy Duty Commercial and Hospital Grade Tamper-Resistant GFCI Receptacles

15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

Meets July 28, 2006
UL Standard 943
Class A GFCI

10ka Short Circuit Current Rating

Limits improper access to energized contacts.
• Patented tamper-resistant protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

Ground fault indicator.
• Flashing **RED** indicates device has lost capability to provide protection.

Accepts fork terminals.
• Open terminal design.

Installation ease.
• Internal back wiring.
• Automatic grounding feature.
• Captive mounting screws.

Circuit Guard® GFCI Receptacles
Tamper-Resistant, Weather Resistant

15A 125V NEMA 5-15R   20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, polyester face, back and side wired, multiple drive screws, automatic grounding clip.	15 and 20A 125V AC	Almond	GFTR15AL	GFTR20AL
		Black	GFTR15BK	GFTR20BK
		Brown	GFTR15	GFTR20
		Gray	GFTR15GY	GFTR20GY
		Ivory	GFTR15I	GFTR20I
		Light Almond	GFTR15LA	GFTR20LA
		Office White	GFTR15OW	GFTR20OW
		Red	GFTR15R	GFTR20R
		White	GFTR15W	GFTR20W

TR *
WR *

GFTR20I

Circuit Guard® GFCI Receptacles
Tamper-Resistant, Weather Resistant

15A 125V NEMA 5-15R   20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Hospital Grade ● Flush, polyester face, back and side wired, multiple drive screws, automatic grounding clip.	15 and 20A 125V AC	Almond	GFR8200HALTR	GFR8300HALTR
		Black	GFR8200HBKTR	GFR8300HBKTR
		Brown	GFR8200HTR	GFR8300HTR
		Gray	GFR8200HGYTR	GFR8300HGYTR
		Ivory	GFR8200HITR	GFR8300HITR
		Light Almond	GFR8200HLATR	GFR8300HLATR
		Office White	GFR8200HOWTR	GFR8300HOWTR
		Red	GFR8200HRTR	GFR8300HRTR
		White	GFR8200HWTR	GFR8300HWTR

TR *
WR *

GFR8300HITR

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feedthrough capability.
* Refer to Technical Section X, page X-8 for TR and WR descriptions.

Ground Fault Products
Heavy Duty Commercial GFCI Receptacles with Auto Grounding
15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

Meets July 28, 2006
UL Standard 943
Class A GFCI

10ka Short Circuit Current Rating

Comprehensive diagnostics.
• When test button is actuated, both the electronic components and mechanical trip mechanism are functionally tested.

Ground fault indicator.
• Flashing **RED** indicates device has lost capability to provide protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

Installation ease.
• Internal back wiring.
• Automatic grounding clip.
• Captive mounting screws.

Available 4th Qtr 2008.

Circuit Guard® GFCI Receptacles

15A 125V NEMA 5-15R / 20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws, automatic grounding clip.	15 and 20A 125V AC	Almond	GF15ALLA	GF20ALLA
		Black	GF15BKLA	GF20BKLA
		Brown	GF15LA	GF20LA
		Gray	GF15GYLA	GF20GYLA
		Ivory	GF15ILA	GF20ILA
		Light Almond	GF15LALA	GF20LALA
		Office White	GF15OWLA	GF20OWLA
		Red	GF15RLA	GF20RLA
		White	GF15WLA	GF20WLA

GF15ILA

Hospital Grade ● Circuit Guard® GFCI Receptacles

15A 125V NEMA 5-15R / 20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws, automatic grounding clip.	15 and 20A 125V AC	Almond	GFR8200HALLA	GFR8300HALLA
		Black	GFR8200HBKLA	GFR8300HBKLA
		Brown	GFR8200HLA	GFR8300HLA
		Gray	GFR8200HGYLA	GFR8300HGYLA
		Ivory	GFR8200HILA	GFR8300HILA
		Office White	GFR8200HOWLA	GFR8300HOWLA
		Red	GFR8200HRLA	GFR8300HRLA
		White	GFR8200HWLA	GFR8300HWLA

GFR8200HOWLA

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feedthrough capability.

Ground Fault Products
Heavy Duty Commercial GFCI Receptacles with Auto Grounding
15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

Available 4th Qtr 2008.

15A 125V
NEMA 5-15R

20A 125V
NEMA 5-20R

Circuit Guard® Bulk Pack GFCI Receptacles

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws, automatic grounding clip. Bulk packed, 50 pieces.	15 and 20A 125V AC	Almond	GF15ALLABULK	GF20ALLABULK
		Black	GF15BKLABULK	GF20BKLABULK
		Brown	GF15LABULK	GF20LABULK
		Gray	GF15GYLABULK	GF20GYLABULK
		Ivory	GF15ILABULK	GF20ILABULK
		Light Almond	GF15LALABULK	GF20LALABULK
		Office White	GF15OWLABULK	GF20OWLABULK
		Red	GF15RLABULK	GF20RLABULK
		White	GF15WLABULK	GF20WLABULK

GF15ILABULK

Circuit Guard® Faceless GFCI

Description	Rating	Color	Catalog Numbers
Faceless, nylon top, back and side wired, multiple drive screws, automatic grounding clip.	20A 125V AC	Almond	GFBF20ALLA
		Black	GFBF20BKLA
		Brown	GFBF20LA
		Gray	GFBF20GYLA
		Ivory	GFBF20ILA
		Light Almond	GFBF20LALA
		Office White	GFBF20OWLA
		Red	GFBF20RLA
		White	GFBF20WLA

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate.

GFBF20ILA

All GFCI Receptacle Specifications (Pages H-2 to H-9)

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15%.
Amperage	15A/20A, 20A Feed Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to +66°C or -30°F to +150°F.
Maximum Humidity	95%.
Listings & Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978. CSA Certified.
Codes	Meets all NEC® & CEC requirements.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Heavy Duty Commercial GFCI Receptacles

15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

Meets July 28, 2006
UL Standard 943
Class A GFCI

10ka Short Circuit Current Rating

Comprehensive diagnostics.
• When test button is actuated, both the electronic components and mechanical trip mechanism are functionally tested.

Ground fault indicator.
• Flashing **RED** indicates device has lost capability to provide protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

Visible Termination.
• External bundling clamp.

15A 125V
NEMA 5-15R

20A 125V
NEMA 5-20R

Circuit Guard® GFCI Receptacles

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Almond	**GF15ALL**	**GF20ALL**
		Black	**GF15BKL**	**GF20BKL**
		Brown	**GF15L**	**GF20L**
		Gray	**GF15GYL**	**GF20GYL**
		Ivory	**GF15IL**	**GF20IL**
		Light Almond	**GF15LAL**	**GF20LAL**
		Office White	**GF15OWL**	**GF20OWL**
		Red	**GF15RL**	**GF20RL**
		White	**GF15WL**	**GF20WL**

GF15IL

15A 125V
NEMA 5-15R

20A 125V
NEMA 5-20R

Hospital Grade ●
Circuit Guard® GFCI Receptacles

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Almond	**GFR8200HALL**	**GFR8300HALL**
		Black	**GFR8200HBKL**	**GFR8300HBKL**
		Brown	**GFR8200HL**	**GFR8300HL**
		Gray	**GFR8200HGYL**	**GFR8300HGYL**
		Ivory	**GFR8200HIL**	**GFR8300HIL**
		Office White	**GFR8200HOWL**	**GFR8300HOWL**
		Red	**GFR8200HRL**	**GFR8300HRL**
		White	**GFR8200HWL**	**GFR8300HWL**

GFR8200HOWL

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feedthrough capability.

Ground Fault Products
Heavy Duty Commercial GFCI Receptacles
15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

15A 125V
NEMA 5-15R

20A 125V
NEMA 5-20R

Circuit Guard® Bulk Pack GFCI Receptacles

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws. Bulk packed, 50 pieces.	15 and 20A 125V AC	Almond	GF15ALLBULK	GF20ALLBULK
		Black	GF15BKLBULK	GF20BKLBULK
		Brown	GF15LBULK	GF20LBULK
		Gray	GF15GYLBULK	GF20GYLBULK
		Ivory	GF15ILBULK	GF20ILBULK
		Light Almond	GF15LALBULK	GF20LALBULK
		Office White	GF15OWLBULK	GF20OWLBULK
		Red	GF15RLBULK	GF20RLBULK
		White	GF15WLBULK	GF20WLBULK

GF15ILBULK

Circuit Guard® Faceless GFCI

Description	Rating	Color	Catalog Numbers
Faceless, back and side wired, multiple drive screws.	20A 125V AC	Almond	GFBF20ALL
		Black	GFBF20BKL
		Brown	GFBF20L
		Gray	GFBF20GYL
		Ivory	GFBF20IL
		Light Almond	GFBF20LAL
		Office White	GFBF20OWL
		Red	GFBF20RL
		White	GFBF20WL

GFBF20IL

15A 125V
NEMA 5-15R

Circuit Guard® Combination Switch and GFCI

Description	Rating	Color	Catalog Numbers
Nylon face, receptacle, back and side wired, multiple drive screws.	15A 125V	Almond	GFSP15AL
		Black	GFSP15BK
		Brown	GFSP15
Single pole switch, 4.5" (114.3) wire leads, 14AWG.	8.3A 1000W	Ivory	GFSP15I
		Light Almond	GFSP15LA
		White	GFSP15W

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feedthrough capability.

GFSP15I

Ground Fault Products
Heavy Duty Commercial Self Test GFCI Receptacles
15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

Meets July 28, 2006
UL Standard 943
Class A GFCI

10ka Short Circuit Current Rating

Continually tests and monitors for people protection automatically.

• Patented self test diagnostics.

Power indication

• Steady **"ON" GREEN LED** provides indication of power.

Ground fault indicator

• Steady **"ON" RED LED** provides visual indication of a ground fault condition. Flashing red indicates device has lost capability to provide protection.

No power at face if reverse wired

• Open circuit condition eliminates false assumption of protection at face.

GFST20I

AUTOGUARD™ Self Test, GFCI Receptacles

15A 125V NEMA 5-15R   20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Almond	GFST15AL	GFST20AL
		Black	GFST15BK	GFST20BK
		Brown	GFST15	GFST20
		Gray	GFST15GY	GFST20GY
		Ivory	GFST15I	GFST20I
		Light Almond	GFST15LA	GFST20LA
		Office White	GFST15OW	GFST20OW
		Red	GFST15R	GFST20R
		White	GFST15W	GFST20W

GFR8200HWST

Hospital Grade ● AUTOGUARD™ Self Test, GFCI Receptacles

15A 125V NEMA 5-15R   20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Almond	GFR8200HALST	GFR8300HALST
		Black	GFR8200HBKST	GFR8300HBKST
		Brown	GFR8200HST	GFR8300HST
		Gray	GFR8200HGYST	GFR8300HGYST
		Ivory	GFR8200HIST	GFR8300HIST
		Office White	GFR8200HOWST	GFR8300HOWST
		Red	GFR8200HRST	GFR8300HRST
		White	GFR8200HWST	GFR8300HWST

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feedthrough capability.

Ground Fault Products
Heavy Duty Commercial Self Test GFCI Receptacles
15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

AUTOGUARD™ Self Test, Bulk Pack GFCI Receptacles

15A 125V NEMA 5-15R **20A 125V NEMA 5-20R**

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws. Bulk packed, 50 pieces.	15 and 20A 125V AC	Almond	**GFST15ALBULK**	**GFST20ALBULK**
		Black	**GFST15BKBULK**	**GFST20BKBULK**
		Brown	**GFST15BULK**	**GFST20BULK**
		Gray	**GFST15GYBULK**	**GFST20GYBULK**
		Ivory	**GFST15IBULK**	**GFST20IBULK**
		Light Almond	**GFST15LABULK**	**GFST20LABULK**
		Office White	**GFST15OWBULK**	**GFST20OWBULK**
		Red	**GFST15RBULK**	**GFST20RBULK**
		White	**GFST15WBULK**	**GFST20WBULK**

GFST20IBULK

AUTOGUARD™ Self Test, Faceless GFCI

Description	Rating	Color	Catalog Numbers
Faceless, nylon top, back and side wired, multiple drive screws.	20A 125V AC	Almond	**GFSTBF20AL**
		Black	**GFSTBF20BK**
		Brown	**GFSTBF20**
		Gray	**GFSTBF20GY**
		Ivory	**GFSTBF20I**
		Light Almond	**GFSTBF20LA**
		Office White	**GFSTBF20OW**
		Red	**GFSTBF20R**
		White	**GFSTBF20W**

GFSTBF20I

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feedthrough capability.

All GFCI Receptacle Specifications (Pages H-2 to H-9)

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15%.
Amperage	15A/20A, 20A Feed Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to +66°C or -30°F to +150°F.
Maximum Humidity	95%.
Listings & Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978. CSA Certified.
Codes	Meets all NEC® & CEC requirements.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Heavy Duty Commercial Self Test GFCI Receptacles

Ground Fault Products
GFCI Sensing Module – 50A Maximum Rating

The sensing module functions interdependently with a magnetic branch circuit breaker. The module monitors the electrical circuit by use of an external differential current transformer. No direct load is present at the module. In the event of a ground fault, the load is interrupted by way of the hydraulic magnetic circuit breaker utilizing a shunt trip coil.

This line of Sensing Modules is rated from 1 to 50 Amps and circuit current-carrying conductors from 1 to 3 poles.

Product is available with an automatic or manual "safe start" reset feature. The enclosure, when mounted with the supplied gasket, achieves a UL NEMA 4X Rating.
This module and breaker system is ideal for portable generator integration protecting all outlets on a generator.
This system meets the proposed requirements for generators Underwriters Laboratory Standard 2201.
UL/cUL 943 Listed, Class A 4-6mA trip level and UL 1053 Compliant.

Typical Applications Include:
Power Generators, Spas, High Pressure Washers, Power Centers, Refineries and Agricultural Equipment.

GFSM120M

GFCI Sensing Module – 50A Maximum

Description	Catalog Numbers
120V AC Sensing Module Auto	**GFSM120A**
120V AC Sensing Module Manual	**GFSM120M**
240V AC Sensing Module Auto	**GFSM240A**
240V AC Sensing Module Manual	**GFSM240M**

GFSMCB120401P

GFCI Sensing Module Circuit Breakers

Catalog Number Configurator -
Example Catalog Number: **GFSMCB120401P**

GFSMCB	120	40	1P
Ground **F**ault **S**ensing **M**odule **C**ircuit **B**reaker	**120 Volt** 240 Volt 120/240 Volt	1 thru 50 Amp	**1P** 2P 3P

Other Examples:
GFSMCB240502P: 240V 50A 2P
GFSMCB240203P: 240V 20A 3P

Wiring Schematics

GFSMCB120XX1P

Current carrying leads must be twisted as they go through the sensing module.

CIRCUIT BREAKER
ORANGE SHUNT JUMPER
LOAD
H
PART # AUTO **GFSM120A** MAUUAL **GFSM120M**
120VAC GFCI SENSING MODULE
N C
LOAD--->
LINE
H
N
120 VAC IN
N
WHITE
BLACK
YELLOW (SHUNT)
SINGLE PHASE 120VAC (HOT, NEUTRAL, GRND)
GROUND
G

GFSMCB240XX2P

Current carrying leads must be twisted as they go through the sensing module.

CIRCUIT BREAKER
ORANGE SHUNT JUMPER
LOAD
L1
PART # AUTO **GFSM240A** MAUUAL **GFSM240M**
240VAC GFCI SENSING MODULE
N C
L2
LOAD--->
LINE
L1
L2
240 VAC IN
RED
BLACK
YELLOW (SHUNT)
SINGLE PHASE 240VAC (L1, L2, GRND)
GROUND
G

GFSMCB120XX2P

Current carrying leads must be twisted as they go through the sensing module.

CIRCUIT BREAKER
ORANGE SHUNT JUMPER
LOAD
L2
PART # AUTO **GFSM120A** MAUUAL **GFSM120M**
120VAC GFCI SENSING MODULE
N C
L1
LOAD--->
LINE
L2
L1
N
120/240 VAC IN
N
WHITE
BLACK
YELLOW (SHUNT)
SPLIT PHASE 120/240VAC (L1, L2, N, GRND)
GROUND
G

Ground Fault Products
Straight Blade Portable GFCI Plugs
15 Ampere, 120 Volts AC
2 Pole, 3 Wire Grounding

Circuit Guard® Wired On Industrial Portable GFCI Plug

Description	Rating	Catalog Numbers
GFCI plug, manual set, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP5266C**
GFCI plug, manual set, yellow.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP5266CY**
GFCI plug with 1 foot line cord, manual set, yellow, with connector body.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P, NEMA 5-15R.	**GFP1C**

Circuit Guard® Wired On Commercial Portable GFCI Plug

Description	Rating	Catalog Numbers
GFCI plug, automatic set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP515A**
GFCI plug, manual set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP515M**

GFP5266CY

Specifications

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to +66°C or -30°F to +150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized material. UL 94V-0 flammability classification.
Input	NEMA 5-15P.
Cord Range	16/3 – 12/3 Type SJ, 18/3 – 12/3 Type S.
Cord Type: Length (GFP1C)	14/3 Type SJTW-A (UL), SJTW (CSA); 1 foot; NEMA 5-15R.
Power "ON" Indication	Indicator light.
Listings	Meets UL943 Class A Listed, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

GFP515A

Dimensions

GFP5266C Series   GFP515 Series

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Ground Fault Products
Circuit Guard® Plug-In GFCI Portable and GFCI Tester
15 Ampere, 120 Volts AC
2 Pole, 3 Wire Grounding

Circuit Guard® Plug-In GFCI Portable

Description	Rating	Catalog Number
Three outlet plug-in.	15A, 120V AC	**GFP315A**

Specifications

GFP315A

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15%.
	Incorporates no voltage release feature.
Current	15A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to +66°C or -30°F to +150°F.
Maximum Humidity	95%.
Housing	High-impact ABS.
Input	NEMA 5-15P.
Output	3 NEMA 5-15R.
Fault Indication	Indicator light.
Center Screw	For optional permanent mounting.
Listings & Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978, CSA Certified.
Codes	Meets all NEC® & CEC requirements.

GFP315A

GFI Tester

Description	Rating	Catalog Number
Ground fault tester.	120V AC	**GFT2G**

- Designed to measure the trip level of portable or "wired-in" GFCI's in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.

- Will measure leakage level in small portable tools and appliances from 1-7mA.

- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.

GFT2G

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Ground Fault Products
Portable GFCI Products
Industrial Grade, Automatic and Manual Set GFCI Line Cords

IP21
SUITABILITY

GFP4C15A

Circuit Guard® Automatic Set
Portable GFCI Line Cords — 15A 120V AC

Description	Catalog Numbers
18" (45.7 cm) GFCI line cord.	GFP4C15A
6' (182.9 cm) GFCI line cord.	GFP6C15A
25' (762.0 cm) GFCI line cord.	GFP25C15A
15' (457.2 cm) GFCI power supply cord with stripped leads.	GFPOEMA*

Circuit Guard Manual Set
Portable GFCI Line Cords

Description	15A 120V AC	20A 120V AC
	Catalog Numbers	
18" (45.7 cm) GFCI line cord.	GFP4C15M	–
3' (91.4 cm) GFCI line cord.	–	GFP3C20M
6' (182.9 cm) GFCI line cord.	GFP6C15M	–
25' (762.0 cm) GFCI line cord.	GFP25C15M	–
15' (457.2 cm) GFCI power supply cord with stripped leads.	GFPOEMM*	–
50' (1524.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	GFP50C15WM	
100' (3048.0 cm) GFCI power supply with Elastogrip watertight straight blade.	GFP100C15WM	

Note: *Total length is 15' 4.5" (468.6 cm) including leads: green 4.5" (114.3), black and white 3.5" (88.9). Each pre-stripped .375" (9.5).*

GFP3C20M

Circuit Guard Manual Set
Twist-Lock Portable GFCI Line Cords

Description	15A 120V AC	20A 120V AC
	Catalog Numbers	
3' (91.4 cm) GFCI line cord.	GFP3C15MTL	GFP3C20MTL

Automatic Set GFCI
Automatically energizes or sets the GFCI for use upon plug in and after the loss of primary power (power failure or unplugging the device). After a ground fault condition, unit must be reset by pushing the reset button. This feature eliminates the need for unit to be reset each time it is plugged in or powered up. Ideal for equipment intended for continuous use where a temporary power failure is likely and undesirable. Examples are pumps, pressure washers, portable signs or lighting and engine heaters.

Manual Set GFCI
Requires the GFCI to be manually set for use by pressing the reset button upon plug in and after loss of primary power (power failure or unplugging the device). Must be manually reset after a ground fault condition. Ideal for applications where operator injury might occur if equipment were to restart after a power failure. Typical equipment includes power drills, saws, lathes and grinders.

GFPOEMM

Specifications
Portable GFCI Line Cords

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15%. Incorporates no voltage release feature.
Current	15A/20A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to +66°C or -30°F to +150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded.
Cord Type	SJTW-A (UL), SJTW (CSA).
Visual Fault Indication Light On	Indicates fault.
Listing and Standards	Meets UL943 Class A UL File E41978 CSA Certified.
Code	Meets all NEC® & CEC requirements.

GFP3C20MTL

Straight Blade

Input	15A NEMA 5-15P, 20A NEMA 5-20P.
Output	15A NEMA 5-15R (except GFPOEMM), 20A NEMA 5-20R.

Twist-Lock®

Input	15A NEMA L5-15P HBL47CM20C, 20A NEMA L5-20P HBL23CM11.
Output	15A NEMA L5-15R HBL47CM29C, 20A NEMA L5-20R HBL23CM13.

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Ground Fault Products
Portable GFCI Products
Commercial Grade, Automatic and Manual Set GFCI Line Cords

Circuit Guard®
Portable GFCI Single Outlet   15A 120V AC

Description	Catalog Numbers
2' (60.9 cm) GFCI line cord, automatic set.	GFP2CA
2' (60.9 cm) GFCI line cord, manual set.	GFP2CM
25' (762.0 cm) GFCI line cord, automatic set.	GFP25CA
25' (762.0 cm) GFCI line cord, manual set.	GFP25CM

Circuit Guard®
Portable GFCI Triple Tap Outlet   15A 120V AC

Description	Catalog Numbers
2' (60.9 cm) GFCI line cord, automatic set.	GFP2TTA
2' (60.9 cm) GFCI line cord, manual set.	GFP2TTM
25' (762.0 cm) GFCI line cord, automatic set.	GFP25TTA
25' (762.0 cm) GFCI line cord, manual set.	GFP25TTM

Circuit Guard®
OEM Equipment Integrated Cord Sets   15A 120V AC

Description	Catalog Numbers
15' (457.2 cm) GFCI with flying leads, automatic set.	GFP15LA
15' (457.2 cm) GFCI with flying leads, manual set.	GFP15LM
35' (1066.8 cm) GFCI with flying leads, automatic set.	GFP35LA
35' (1066.8 cm) GFCI with flying leads, manual set.	GFP35LM

15A GFCI In Line GFCI – Single and Triple Tap   15A 120V AC

Description	Catalog Numbers
2' (60.9 cm), 5-15 single tap, automatic set.	GFPIL15125A
2' (60.9 cm), 5-15 single tap, manual set.	GFPIL15125M
2' (60.9 cm), 5-15 triple tap, automatic set.	GFPIL15125TRIA
2' (60.9 cm), 5-15 triple tap, manual set.	GFPIL15125TRIM

20A GFCI In Line GFCI – Locking   20A 120V AC

Description	Catalog Numbers
2' (60.9 cm), L5-20 locking, automatic set.	GFPIL20125LKA
2' (60.9 cm), L5-20 locking, manual set.	GFPIL20125LKM

20A GFCI In Line GFCI – Locking   20A 250V AC

Description	Catalog Numbers
2' (60.9 cm), L6-20 locking, automatic set.	GFPIL20250LKA
2' (60.9 cm), L6-20 locking, manual set.	GFPIL20250LKM

Specifications

Portable GFCI Line Cords

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120/250V AC +10% - 15%. Incorporates no voltage release feature.
Current	15A/20A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to +66°C or -30°F to +150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized PVC.
	UL 94V-0 flammability classification.
	Meets UL and CSA watertight requirements.
	Adhesive bonded.
Cord Type	#14 AWG SJTW-A (UL), SJTW (CSA).
Visual Fault Indication Light On	Indicates fault.
Listing and Standards	Meets UL943 Class A, UL File E41978. CSA Certified.
Code	Meets all NEC® & CEC requirements.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

GFP2CA

GFP2TTA

GFP15LA

GFPIL15125A

GFPIL15125TRIM

GFPIL20125LKA

GFPIL20125LKM

IP21
SUITABILITY

Multiple Outlet Portable GFCI

Description	Rating	Receptacles	Plug	Catalog Numbers
4 outlet, manual set, yellow.	15A, 120V AC	2-Duplex 5-15R	NEMA 5-15P	**GFP15M**
4 outlet, manual set, yellow.	20A, 120V AC	2-Duplex 5-20R	NEMA 5-20P	**GFP20M**

GFP15M

GFCI Module - UL Type 3R Rated

Description	Rating	Catalog Numbers
GFCI module, manual set, yellow.	20A, 120V AC, 60 Hz	**GFM20**
GFCI module, auto set, yellow.	20A, 120V AC, 60 Hz	**GFM20A**

GFM20

Specifications

	GFP15M/20M	GFM20/A
Trip Level	4 to 6 mA.	4 to 6 mA.
Trip Time	.025 sec. nominal.	.025 sec. nominal.
Frequency	60 Hz.	60 Hz.
Voltage	120V AC +10% - 15%. No voltage release feature.	120V AC +10% - 15%. No voltage release feature.
Max. Interrupting Capacity	5000A.	5000A.
Current	15A/20A.	20A, 20A Feed through.
Operating Temperature	-35°C to +66°C or -30°F to +150°F.	-35°C to +66°C or -30°F to +150°F.
Housing Rating	High-impact, yellow Valox® with protective lift covers.	High-impact, UV stabilized, rigid PVC. UL 94V-0 flammability classification. UL Type 3R Rated.
Input	5-15P, 15A / 5-20P, 20A. IP21 Suitability.	#12 AWG stranded conductors (black/white/green).
Output	5-15R(4), 15 Amp / 5-20R(4), 20 Amp.	#12 AWG stranded conductors (red/gray).
Power Supply Cord	6' (182.9 cm) STOW-A (STW FT2 CSA).	N/A.
Mounting Screws	N/A.	Self-tapping, combination, #6-32.
Power "ON" Indication	LED indicator light.	LED indicator light.
Agency Approvals	UL Listed, UL948 for receptacles, meets UL943 Class A for GFCI's.	UL Listed, CSA Certified. meets UL943 Class A for GFCI's.
Codes	Meets all NEC® & CEC requirements.	Meets all NEC® and CEC requirements.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Ground Fault Products
Hard Wired 30 Ampere GFCI

Circuit Guard Hard Wired 30A GFCI - UL Type 4X Rated

Description	Voltage	Alarm	Manual Set	Automatic Set
Hard wired, manual set and automatic set GFCIs.	120V AC	None	GFHW13005	GFHW13105
	120V AC	Audible	GFHW13015	GFHW13115
	240V AC	None	GFHW23005	GFHW23105
	240V AC	Audible	GFHW23015	GFHW23115
	120/240V AC	Audible	GFHW33015	GFHW33115
	3Ø250V AC	None	GFHW530	GFHW531
	3Ø120/208V AC	None	GFHW430	GFHW431

Note: All units above are stock items.

Build Your Own Catalog Number

Catalog Number Configurator:			*Example: Catalog Number:* GFHW23015			
GF	**HW**	**2**	**3**	**0**	**1**	**5**
		Voltage	Amperage	Reset Type	Output Signal	Mounting Style
Ground **F**ault	**H**ard-**W**ired	1-120 V AC 2- 240 V AC 3-120/240V AC 4-3Ø120/208V AC 5-3Ø250V AC	**3** - 30 Amp	**0** - Manual **1** - Automatic	**0** - none **1** - Audible Alarm **2** - Line Voltage **3** - 24 Volt DC **4** - 12 Volt DC	**5** - Panel Mount/ Surface Mount

Note: 2 to 3 week lead time for all "build your own" catalog numbers.

Specifications

Electrical Ratings

Rated Voltage	120V AC, 240V AC and 120/240V, 3Ø 250V AC, 3Ø 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Phase	Single.
Response Time	.025 sec. Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse,0.5 microseconds rise time 100 kHz ringing frequency with 40% decay per cycle.
Let go line voltage	60% of rated.
Grounded neutral detection	6 Ohms or less.
Power up	Manual or automatic reset.

Environmental Ratings

Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Class A GFCI.
Operating Temperature	-35°C to +66°C, -30°F to +150°F.
Leakage current @ 93% humidity	Zero.

Features

Life (Endurance)	10,000 cycles (6000 w/ load & 4000 w/o load). Open neutral protection Trips upon loss of neutral.
Grounded neutral protection	Trips if ground and neutral touch at load side.
Power on indicator	Green light on.
Power off indicator	Red blinking light plus optional audible alarm.
Wiring application	3 Wire Single Phase (Hot, Neutral and Ground), 4 Wire Single Phase (Line 1, Line 2, Neutral and Ground).
Switch interface	Double Insulated.
Latching Mechanism	Electromagnetic.

Physical Specifications

Wire Leads	#10 AWG, 24" long.
Unit Color	Gray with black cover.
Label color on portable and	Automatic reset: yellow background w/ black hard wired units lettering. Manual reset: black background w/ yellow lettering.
Weight	1.40 lbs.

Automatic Reset GFCI

Manual Reset GFCI

Dimensional Drawing

3.37" (85.6)
2.82" (12.9)
4.80" (121.9)
.20" x 4
3/4" NPT

24.00" (609.6)
5.75" (146.0)
2.64" (67.1)

Ground Fault Products
Portable 30 Ampere GFCI

GFPIL30250LKM

GFP1311

Dimensional Drawing

3.37" (85.6)

4.80" (121.9)

Circuit Guard® 30A GFCI In Line GFCI – Locking | 30A 120V AC

Description	Catalog Numbers
2' (60.9 cm), L5-30 locking, automatic.	GFPIL30125LKA
2' (60.9 cm), L5-30 locking, manual.	GFPIL30125LKM

Circuit Guard® 30A GFCI In Line GFCI – Locking | 30A 250V AC

Description	Catalog Numbers
2' (60.9 cm), L6-30 locking, automatic.	GFPIL30250LKA
2' (60.9 cm), L6-30 locking, manual.	GFPIL30250LKM

Circuit Guard Portable 30A GFCI - UL Type 4X Rated

Description	Cord Length	Voltage	Manual Set	Automatic Set
Portable, manual set and automatic set GFCIs.	2 Feet	120V AC	GFP1301	GFP1311
	25 Feet	120V AC	GFP1302	GFP1312
	2 Feet	240V AC	GFP2301	GFP2311
	25 Feet	240V AC	GFP2302	GFP2312
	6 Feet	120/240V AC	GFP3305	GFP3315
	6 Feet	3∅250V AC	GFP5305	GFP5315
	6 Feet	3∅120/208V AC	GFP4305	GFP4315

Note: All units above are stock items.

Build Your Own Catalog Number

Catalog Number Configurator:			*Example: Catalog Number:* GFP2311		
GF	**P**	**2**	**3**	**1**	**1**
		Voltage	Amperage	Reset Type	Cord Length
Ground **F**ault	**P**ortable	1-120 V AC **2**- 240 V AC 3-120/240V AC 4-3∅120/208V AC 5-3∅250V AC	**3** - 30 Amp	0 - Manual 1 - Automatic	**1** - 2 Feet 2 - 25 Feet 3 - 50 Feet 4 - 100 Feet 5 - 6 Feet

Note: 2 to 3 week lead time for all "build your own" catalog numbers.

Plug and Connector Selector Chart (partial listing)

The chart below is a list of possible Hubbell plug and connector body products that can be used with the Hubbell Portable GFCIs.

Family	Hubbell Part Numbers	Amps	Voltage	Style
Insulgrip	**HBL5266C** & **HBL5269C**	15	120V AC	Straight Blade
Insulgrip	**HBL2621** & **HBL2623**	30	240V AC	Twist-Lock
Watertight Safety-Shroud	**HBL2621SW** & **HBL2623SW**	30	240V AC	Twist-Lock
IEC Pin & Sleeve	**HBL330P6W** & **HBL330C6W**	30	240V AC	Watertight Pin & Sleeve
Insulgrip Pin & Sleeve	**HBL330PS2W** & **HBL330CS2W**	30	240V AC	Insulgrip Pin & Sleeve
Hubbellock	**HBL23035B** & **HBL23032B**	20	120V AC	Hubbellock

Specifications

Electrical Ratings

Rated Voltage	120V AC, 240V AC, 120/240V AC, 3∅ 250V AC, 3∅ 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Phase	Single.
Response Time	25 mS Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100 kHz ringing frequency with 40% decay per cycle.
Let go line voltage	60% of rated.
Power up	Manual or Automatic reset.

Environmental Ratings

Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Meets UL943 Class A GFCI.
Operating Temperature	-35°C to +66°C, -30°F to +150°F.
Leakage current @ 93% humidity	Zero.

Features

Life (Endurance)	10,000 cycles (6000 w/ load & 4000 w/o load).
Open neutral protection	Trips upon loss of neutral.
Grounded neutral protection	Trips if ground and neutral touch at load side.
Power on indicator	Green light on.
Power off indicator	Red blinking light plus optional audible alarm.
Wiring application	3 Wire Single Phase (Hot, Neutral and Ground). 4 Wire Single Phase (Line 1, Line 2, Neutral and Ground).
Switch interface	Double Insulated.
Latching Mechanism	Electromagnetic.

Physical Specifications

Cord Type	2-50', 10/3 SJGOOW. 100', 8/3 SEOW.
Unit Color	Gray with black cover.
Label color on portable and hard wired units	Automatic reset: Yellow background w/ black lettering. Manual reset: Black background w/ yellow lettering.
Weight	2 ft. 1.8 lbs., 6 ft. 2.7 lbs., 25 ft. 6.8 lbs., 50 ft. 12.4 lbs.,100 ft. 23.3 lbs.

Section I
Hospital Products

Index

Hospital Grade Duplex Receptacles

Industrial and Commercial Series GFCIs

Surge Protection Devices

Hubbellock® Receptacles, Plugs and Connectors

Hospital Products

Hospital Grade Products

Hospital Products
HBL® Extra Heavy Duty Hospital Grade Duplex Receptacles
Features and Benefits

One-piece nickel-plated brass integral ground strap for greater corrosion resistance.

Barbed assembly arms reduce possibility of face/base separation.

Unique bypass contact design results in greater contact force and reduced heat buildup.

Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion.

I.D. marking surface provides quick, sure circuit identification.

Patented ground contact provides redundant grounding.

Back wired ground terminal allows faster, easier installation.

RTP base offers greater heat resistance plus contact stability.

External bundling terminals contain wire strands and are designed for quick inspection.

Deep body design increases impact and chemical resistance.

HBL8200GY

Hubbell "Hospital Grade" Devices
To qualify for the "Hospital Grade" designation and use of the associated green dot symbol, UL requires that the manufacturer design its devices to perform to specific levels. These levels form an established baseline below which no manufacturer can fall and still carry a green dot.

Hubbell sets their standards high. Each product is built to withstand the severe conditions of abuse that are unique to the hospital environment. Hubbell receptacles have exclusive design features that set them apart from the competition.

• Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature.

• Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas.

• High tech reinforced thermoplastic polyester (RTP) back is tough and heat resistant.

Because of these features and others, the benefit is performance, reliability, and value for any health care facility.

One piece, nickel plated brass mounting strap with integral ground contacts, along with secondary ground contact, provides superior grounding for low resistance flow of fault currents as well as corrosion resistance. Barbed locking arms keep the face locked in place to diminish potential for face/base separation. Back wired ground screw reduces installation time.

Reinforced thermoplastic back provides superior thermal, electrical and mechanical properties. By providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance.

Exclusive bypass contacts are made of nickel plated brass alloy. This design increases blade retention forces, insuring a reliable uninterrupted flow of power.

External wiring clamps allow for visual inspection of the terminals. A unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination.

Hospital Products
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Hospital Grade – HBL® Extra Heavy Duty Receptacles, Tamper-Resistant Duplex, Slender/Compact Duplex, and Style Line® Receptacles

IP20 SUITABILITY

15A 125V NEMA 5-15R UL CSA

20A 125V NEMA 5-20R

1.63" (41.4)
3.28" (83.3)
2.72" (69.0)
.97" (24.6)
HBL8200GY

1.63" (41.9)
3.28" (83.3)
2.75" (69.8)
1.04" (26.4)
HBL8300SGA

1.33" (33.8)
3.28" (83.3)
2.72" (69.0)
.80" (20.3)
HBL8200ILW

1.36" (34.5)
3.28" (83.3)
2.75" (69.9)
.80" (20.3)
HBL2172

Hospital Grade ● Receptacles

Duplex

Description	Color	Catalog Numbers	
Flush, thermoplastic polyester face, back and side wired, multiple drive screws.	Brown	HBL8200	HBL8300
	Gray	HBL8200GY	HBL8300GY
	Ivory	HBL8200I	HBL8300I
	Light Almond	HBL8200LA	HBL8300LA
	Red	HBL8200R	HBL8300R
	White	HBL8200W	HBL8300W
Flush, illuminated face, back and side wired, multiple drive screws.	Gray	HBL8200ILGY	HBL8300ILGY
	Ivory	HBL8200ILI	HBL8300ILI
	Red	HBL8200ILR	HBL8300ILR
	White	HBL8200ILW	HBL8300ILW
Tamper-resistant receptacle with wire leads. Complies with requirements of NEC article 517-18(c).	Brown	HBL8200SGA	HBL8300SGA
	Gray	HBL8200SGGYA	HBL8300SGGYA
	Ivory	HBL8200SGIA	HBL8300SGIA
	Light Almond	HBL8200SGLA	HBL8300SGLA
	Red	HBL8200SGRA	HBL8300SGRA
	White	HBL8200SGWA	HBL8300SGWA
Isolated ground.[1]	Orange	IG8200	IG8300
	Red	IG8200R	IG8300R

Slender/Compact, Duplex

Description	Color	Catalog Numbers	
Flush, thermoplastic polyester face, back and side wired, multiple drive screws, Fed. Spec. verified.	Brown	HBL8200H	HBL8300H
	Gray	HBL8200HG	HBL8300HG
	Ivory	HBL8200HI	HBL8300HI
	Light Almond	HBL8200HLA	HBL8300HLA
	Red	HBL8200HR	HBL8300HR
	White	HBL8200HW	HBL8300HW

Style Line®, Duplex*

Description	Color	Catalog Numbers	
Flush, nylon face, back and side wired.	Brown	HBL2172	HBL2182
	Gray	HBL2172GY	HBL2182GY
	Ivory	HBL2172I	HBL2182I
	Office White	–	HBL2182OW
	Red	HBL2172R	HBL2182R
	White	HBL2172WA	HBL2182WA
Isolated ground.[1]	Ivory	–	IG2182I
	Orange	–	IG2182
	White	–	IG2182WA

*Notes: *Not Fed. Spec. Listed.*
See Section K for wallplates.
(1) See Section J for complete line of isolated ground devices.

Hospital Products
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Hospital Grade – Heavy Duty Duplex, SNAP*Connect*™,
Single Box Mount, Panel Mount and 4-PLEX® Receptacles

IP20 SUITABILITY

15A 125V NEMA 5-15R UL CSA

20A 125V NEMA 5-20R

SNAP*Connect*™ ● Receptacles

Duplex

Description	Color	Catalog Numbers	
Hospital grade, flush, nylon face modular receptacle which requires pigtailed terminal below.	Almond	SNAP8200AL	SNAP8300AL
	Black	SNAP8200BK	SNAP8300BK
	Brown	SNAP8200	SNAP8300
	Gray	SNAP8200GY	SNAP8300GY
	Ivory	SNAP8200I	SNAP8300I
	Light Almond	SNAP8200LA	SNAP8300LA
	Office White	SNAP8200OW	SNAP8300OW
	Red	SNAP8200R	SNAP8300R
	White	SNAP8200W	SNAP8300W

SNAP8200I

1.56" (39.7)
3.28" (83.3)
2.62" (66.5)
.86" (21.9)

Pigtailed Terminal

Description	Catalog Numbers	
Clear terminal with 6.0 in. (1524.0) leads solid wire.	SNAP6R1	SNAP6R1
Clear terminal with 6.0 in. (1524.0) leads stranded wire.	SNAP6R2	SNAP6R2

SNAP6R2

IP20 SUITABILITY

15A 125V NEMA 5-15R UL CSA

20A 125V NEMA 5-20R

Hospital Grade ● Receptacles

Single

Description	Color	Catalog Numbers	
Flush, nylon face, back and side wired Fed. Spec. verified.	Brown	HBL8210	HBL8310
	Gray	HBL8210GY	HBL8310GY
	Ivory	HBL8210I	HBL8310I
	Red	HBL8210R	HBL8310R
	White	HBL8210W	HBL8310W
Panel mount on 1.94 in. (49.2) centers.	Brown	HBL8284*	–
	Ivory	HBL8284I*	HBL8384I*
Isolated ground.(1)	Orange	IG8210	IG8310

*Notes: *Not Fed. Spec. Listed.*
(1) See Section J for complete line of isolated ground devices.

HBL8210

1.63" (41.4)
3.28" (83.3)
1.94" (49.3)
.94" (23.9)

4-PLEX®*

Description	Color	Catalog Numbers	
4-outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box.	Brown	HBL415H	HBL420H
	Gray	–	HBL420HGY
	Ivory	HBL415HI	HBL420HI
	Red	HBL415HR	HBL420HR
	White	HBL415HW	HBL420HW
4-PLEX Adapter Plates for 1- and 2-gang, device boxes.	Brown	HBL4AP	HBL4AP
	Gray	HBL4APGY	HBL4APGY
	Ivory	HBL4API	HBL4API
	Red	HBL4APR	HBL4APR
	White	HBL4APW	HBL4APW

*Note: *4-PLEX Devices are not Fed. Spec. Listed.*

HBL415HI

.92" (23.4)
.1" (2.5)
4.30" sq. (109.2)
3.02" (76.7)
3.38" (85.9)

HBL4API

.38" (9.7)
4.78" (121.4)
3.28" (83.3)
.19" (4.8)
2.75" (69.9)
1.75" (44.5)
3.38" sq. (85.9)

Hospital Products
15 and 20 Ampere, 125 Volts
2 Pole, 3 Wire Grounding
Hospital Grade – Plugs and Connector Bodies

HBL8215C
1.97" (50.0)
1.53" (38.9)

HBL8215CAT
1.53" (38.9)
2.11" (53.6)
1.22" (30.9)

HBL8115V
1.88" (47.75)
1.25" (31.8)
1.13" (28.7)

HBL8219C
2.78" (70.6)
1.53" (38.9)
1.40" (35.6)

HBL8219CT
2.78" (70.6)
1.53" (38.9)
1.40" (35.6)

HBL8119V
2.63" (66.8)
1.25" (31.8)
1.13" (28.7)

IP20 SUITABILITY

15A 125V
NEMA 5-15P
UL CSA
0.5 HP

20A 125V
NEMA 5-20P
UL CSA
1 HP

Hospital Grade ● Plugs

Insulgrip®

Description	Cord Diameter	Catalog Numbers	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8215C**	**HBL8315C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8215CT**	**HBL8315CT**
8-position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	**HBL8215CAT***	**HBL8315CAT***

Valise®

Description	Cord Diameter	Catalog Numbers	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8115V**	**HBL8364V**
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	**HBL8013V***	–

*Note: *Not Fed. Spec. Listed.*

IP20 SUITABILITY

15A 125V
NEMA 5-15R
UL CSA

20A 125V
NEMA 5-20R
UL Listed

Hospital Grade ● Connector Bodies

Insulgrip®

Description	Cord Diameter	Catalog Numbers	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8219C**	**HBL8319C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8219CT**	**HBL8319CT**

Valise®

Description	Cord Diameter	Catalog Numbers	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8119V**	–

Hospital Products
15 and 20 Ampere, 250 Volts
2 Pole, 3 Wire Grounding
Hospital Grade – Heavy Duty, Specification Grade Receptacles, Connector Bodies and Plugs

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Receptacles

Heavy Duty, Duplex

Description	Color	Catalog Numbers	
Flush, thermoplastic polyester face, back and side wired, multiple drive screws.	Brown	**HBL8600**	**HBL8400**
	Ivory	**HBL8600I**	**HBL8400I**

1.63" (41.4)
3.28" (83.3)
2.72" (69.0)
.97" (24.6)

HBL8600I

Hospital Grade ● Connector Bodies

Valise®

Description	Cord Diameter	Catalog Numbers	
White nylon.	.300"-.660" (7.6-16.8)	–	**HBL8469V**

2.63" (66.8)
1.25 (31.
1.13" (28.7)

HBL8469V

IP20
SUITABILITY

15A 250V
NEMA 6-15P
UL CSA
1.5 HP

20A 250V
NEMA 6-20P
UL CSA
2 HP

Hospital Grade ● Plugs

Valise®

Description	Cord Diameter	Catalog Numbers	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	**HBL8666V**	**HBL8464V**

1.88" (47.75)
1.25" (31.8)
1.13" (28.7)

HBL8666V

Hospital Products
Extra Heavy Duty Tamper-Resistant GFCI Receptacles
15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

Meets July 28, 2006
UL Standard 943
Class A GFCI

10ka Short Circuit Current Rating

Limits improper access to energized contacts.
• Patented tamper-resistant protection.

Continually tests and monitors for people protection automatically.
• Patented self test diagnostics.

Power indication.
• Steady **"ON" GREEN LED** provides indication of power.

Ground fault indicator.
• Steady **"ON" RED LED** provides visual indication of a ground fault condition. Flashing red indicates device has lost capability to provide protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

Durable face with V-0 flammability rating.
• Polyester face cover.

GFR8300SGI

GFR8300ITR

AUTOGUARD™ Self Test GFCI Receptacles
Tamper-Resistant, Weather Resistant

15A 125V NEMA 5-15R   20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Hospital Grade ● Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	GFR8200SGBK	GFR8300SGBK
		Brown	GFR8200SG	GFR8300SG
		Gray	GFR8200SGGY	GFR8300SGGY
		Ivory	GFR8200SGI	GFR8300SGI
		Red	GFR8200SGR	GFR8300SGR
		White	GFR8200SGW	GFR8300SGW

CircuitGuard® GFCI Receptacles
Tamper-Resistant, Weather Resistant

15A 125V NEMA 5-15R   20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Hospital Grade ● Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	GFR8200BKTR	GFR8300BKTR
		Brown	GFR8200TR	GFR8300TR
		Gray	GFR8200GYTR	GFR8300GYTR
		Ivory	GFR8200ITR	GFR8300ITR
		Red	GFR8200RTR	GFR8300RTR
		White	GFR8200WTR	GFR8300WTR

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color nylon wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feedthrough capability.
* Refer to Technical Section X, page X-8 for TR and WR descriptions.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Ground Fault Products

Heavy Duty Tamper-Resistant and Self Test GFCI Receptacles

15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

Meets July 28, 2006
UL Standard 943
Class A GFCI

10ka Short Circuit Current Rating

Limits improper access to energized contacts.
• Patented tamper-resistant protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

Ground fault indicator.
• Flashing **RED** indicates device has lost capability to provide protection.

Accepts fork terminals.
• Open terminal design.

Installation ease.
• Internal back wiring.
• Automatic grounding feature.
• Captive mounting screws.

15A 125V NEMA 5-15R

20A 125V NEMA 5-20R

Circuit Guard® GFCI Receptacles
Tamper-Resistant, Weather Resistant

Description	Rating	Color	Catalog Numbers	
Hospital Grade ● Flush, polyester face, back and side wired, multiple drive screws, automatic grounding clip.	15 and 20A 125V AC	Almond	**GFR8200HALTR**	**GFR8300HALTR**
		Black	**GFR8200HBKTR**	**GFR8300HBKTR**
		Brown	**GFR8200HTR**	**GFR8300HTR**
		Gray	**GFR8200HGYTR**	**GFR8300HGYTR**
		Ivory	**GFR8200HITR**	**GFR8300HITR**
		Light Almond	**GFR8200HLATR**	**GFR8300HLATR**
		Office White	**GFR8200HOWTR**	**GFR8300HOWTR**
		Red	**GFR8200HRTR**	**GFR8300HRTR**
		White	**GFR8200HWTR**	**GFR8300HWTR**

TR*

WR*

GFR8300HITR

10ka Short Circuit Current Rating

Continually tests and monitors for people protection automatically.
• Patented self test diagnostics.

Power indication
• Steady **"ON" GREEN LED** provides indication of power.

Ground fault indicator
• Steady **"ON" RED LED** provides visual indication of a ground fault condition. Flashing red indicates device has lost capability to provide protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

15A 125V NEMA 5-15R

20A 125V NEMA 5-20R

Hospital Grade ●
AUTOGUARD™ Self Test, GFCI Receptacles

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Almond	**GFR8200HALST**	**GFR8300HALST**
		Black	**GFR8200HBKST**	**GFR8300HBKST**
		Brown	**GFR8200HST**	**GFR8300HST**
		Gray	**GFR8200HGYST**	**GFR8300HGYST**
		Ivory	**GFR8200HIST**	**GFR8300HIST**
		Office White	**GFR8200HOWST**	**GFR8300HOWST**
		Red	**GFR8200HRST**	**GFR8300HRST**
		White	**GFR8200HWST**	**GFR8300HWST**

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feedthrough capability.
* Refer to Technical Section X, page X-8 for TR and WR descriptions.

GFR8200HWST

Heavy Duty GFCI Receptacles with Auto Grounding

Hospital Products
Heavy Duty GFCI Receptacles with Auto Grounding
15 and 20 Ampere, 125 Volts AC
2 Pole, 3 Wire Grounding

10ka Short Circuit Current Rating

Comprehensive diagnostics.
• When test button is actuated, both the electronic components and mechanical trip mechanism are functionally tested.

Ground fault indicator.
• Flashing **RED** indicates device has lost capability to provide protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

Visible Termination.
• External bundling clamp.

GFR8200HOWL

Hospital Grade ●
Circuit Guard® GFCI Receptacles

15A 125V NEMA 5-15R   20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Almond	GFR8200HALL	GFR8300HALL
		Black	GFR8200HBKL	GFR8300HBKL
		Brown	GFR8200HL	GFR8300HL
		Gray	GFR8200HGYL	GFR8300HGYL
		Ivory	GFR8200HIL	GFR8300HIL
		Office White	GFR8200HOWL	GFR8300HOWL
		Red	GFR8200HRL	GFR8300HRL
		White	GFR8200HWL	GFR8300HWL

10ka Short Circuit Current Rating

Comprehensive diagnostics.
• When test button is actuated, both the electronic components and mechanical trip mechanism are functionally tested.

Ground fault indicator.
• Flashing **RED** indicates device has lost capability to provide protection.

No power at face if reverse wired.
• Open circuit condition eliminates false assumption of protection at face.

Installation ease.
• Internal back wiring.
• Automatic grounding clip.
• Captive mounting screws.

Available 4th Qtr 2008.

GFR8200HOWLA

Hospital Grade ●
Circuit Guard® GFCI Receptacles

15A 125V NEMA 5-15R   20A 125V NEMA 5-20R

Description	Rating	Color	Catalog Numbers	
Flush, nylon face, back and side wired, multiple drive screws, automatic grounding clip.	15 and 20A 125V AC	Almond	GFR8200HALLA	GFR8300HALLA
		Black	GFR8200HBKLA	GFR8300HBKLA
		Brown	GFR8200HLA	GFR8300HLA
		Gray	GFR8200HGYLA	GFR8300HGYLA
		Ivory	GFR8200HILA	GFR8300HILA
		Office White	GFR8200HOWLA	GFR8300HOWLA
		Red	GFR8200HRLA	GFR8300HRLA
		White	GFR8200HWLA	GFR8300HWLA

Notes: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feedthrough capability.

Hospital Products
Surge Protection Devices
15 and 20 Ampere, 125 Volts AC 60 Hz

15A 125V
NEMA 5-15R

20A 125V
NEMA 5-20R
UL CSA

HBL8362ISA

1.30" (33.0)
1.23" (31.2)
3.28" (83.3)
2.62" (66.5)
1.13" (28.7)
1.75" (44.5)

Hospital Grade ● Circuit Guard® Receptacles

Description	Color	Catalog Numbers	
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Almond	HBL8262ALSA	HBL8362ALSA
	Blue	HBL8262SA	HBL8362SA
	Gray	HBL8262GYSA	HBL8362GYSA
	Ivory	HBL8262ISA	HBL8362ISA
	Red	HBL8262RSA	HBL8362RSA
	White	HBL8262WSA	HBL8362WSA
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	IG8262SA	IG8362SA
	Gray	IG8262GYSA	IG8362GYSA
	Ivory	IG8262ISA	IG8362ISA
	Orange	IG8262OSA	IG8362OSA
	Red	IG8262RSA	IG8362RSA
	White	IG8262WSA	IG8362WSA
4-PLEX® surge suppression receptacles with lights, 80 joules/6500A per mode.	Blue	–	HBL420HS
	Ivory	–	HBL420HIS

HBL420HS

.92" (23.4)
.1" (2.5)
4.30" sq. (109.2)
3.02" (76.7)
3.38" (85.9)

4-PLEX® Accessories

Description	Color	Catalog Numbers
4-PLEX Adapter Plates for 1- and 2-gang, and 4 in. (101.6) square device boxes.	Blue	HBL4APBL
	Ivory	HBL4API
4-PLEX Portable Box. Portable 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Ivory	HBL4PBI

Note: 4-PLEX Box is not UL Listed.

Metallic Power Strip Surge Protected*

Description	Catalog Numbers
15A 125V power strip with filtering, surge protection, 3 hospital grade duplex receptacles, 6 foot power supply cord and hospital grade plug.	HBL6PSHG

Notes: See Section J for more information on surge protection products.
  *cULus

HBL6PSHG

Wallplates

Configuration	High-Impact Nylon			Plated Steel		Stainless Steel (S/S) Brass	
	Color	Standard	Mid-Size				
1-gang	Blue	–	NPJ26CBL*	Chrome	SCH26	Smooth S/S	SS26
	Blue	–	NPJ26BL	Brass	SBP26	Smooth S/S	SSJ26⬥
	Gray	NP26GY	NPJ26GY			Smooth Brass	SB26
	Ivory	–	NPJ26C*				
	Ivory	NP26I	NPJ26I				
	Office White	NP26OW	NPJ26OW				
	Orange	NP26OIG**	–				
	Red	NP26R	NPJ26R				
	White	NP26W	NPJ26W				

Notes: * Premarked "COMPUTER ONLY." Lettering is block ¼" high.
         ** Premarked "ISOLATED GROUND." Lettering is block ¼" high.
      ⬥ Jumbo size plate.
         See Section A for technical data for 4-PLEX Devices.

Hospital Products
Hubbellock® Receptacles, Plugs and Connectors
For Hospital Use Only
20 Ampere, 125 Volts AC only
2 Pole, 3 Wire Grounding

20A 125V AC **20A 125V AC**

1.66"
(42.2)

3.28" 2.38" 1.38"
(83.3) (60.5) (35.1)

2.50"
(63.5)

#6-32 TAP

HBL23000HG

Hospital Use Only
Receptacles

Description	Catalog Numbers	
Black, back wired.	**HBL23000HG**	–

Plugs

Description	Catalog Numbers	
Nylon cover, thermoset interior.	–	**HBL23014HGB**
Armored, epoxy filled, rubber cord grip.	–	**HBL23004HG**

3.22"
(81.8)

1.72"
(43.7)

2.31"
(58.7)

HBL23014HGB

Connector Body

Description	Catalog Numbers	
Nylon cover, thermoset filter.	**HBL23001HGB**	–

Note: Cord clamp range for plug and connector .300" to .660" (7.6 to 16.8).

Accessories
Wallplates

Description	Catalog Numbers
Stainless steel 302/304, single-gang.	**HBL23901HG**
Stainless steel 302/304, three-gang for two receptacles.	**HBL23909HG**

Note: Suffix HG or HGB type for hospital use only.

3.56"
(90.4)

1.63"
(41.4)

HBL23001HGB

Hospital Products
Hubbellock® Explosion Proof Receptacles and Plugs
For Hospital Operating Rooms and All Class 1, Division 1, Group C Atmospheres
20 Ampere 125 Volts 60 Hz AC only
2 Pole, 3 Wire Grounding

IP30
SUITABILITY

20A 125V AC   **20A 125V AC**

Explosion Proof Receptacles

Description	Catalog Numbers	
Receptacle with deep conduit 0-1¼" (0 to 31.8) adjusting ring and plaster shield.	**HBL24310**	**–**
Receptacle only.	**HBL24301**	**–**

Explosion Proof Plug

IP30
SUITABILITY

Descrption	Catalog Numbers	
Plug, with, epoxy kit, accepts #12 or #14 type SO cable.	**–**	**HBL24312**

HBL24310

HBL24301

Hazardous to Non-hazardous Location Receptacle Conversion Kits

Conversion kits for replacement of explosion proof receptacles listed above, with non-explosion proof receptacles, in the hospital areas formerly classified as hazardous locations and now classified non-hazardous locations due to the change from flammable anesthetizing gases to nonflammable anesthetizing gases.

For Conversion To:	Catalog Numbers
20A, 125V, duplex receptacle (Hubbell HBL830 Series). Includes adapter ring and stainless steel wall plate for duplex receptacle (receptacle not included).	**HBL24300RKD**
20A, 125V, Hospital Hubbellock receptacle (Hubbell HBL23000HG) or 20A, 125V, straight blade single receptacle (Hubbell HBL8310 series). Includes adapter ring and stainless wall plate for single receptacle (receptacle not included.	**HBL24300RKS**

3.47" (88.1)
2.56" (65.0)
1.62" (41.2)

HBL24312

HBL24301 Raised round-style explosion-proof installation.

HBL24300RKD Retrofit kit for duplex receptacles.

HBL24300RKD Duplex retrofit kit accepts 20A duplex straight blade hospital grade receptacles (HBL8300, HBL8300I, IG8300, etc.). Order receptacles separately.

24352 Low-profile style explosion-proof receptacle (now discontinued).

HBL24300RKS Retrofit kit for single receptacles.

HBL24300RKS Single retrofit accepts hospital only Hubbellock single receptacles (Hubbell HBL23000HG) or 20A single straight blade hospital grade receptacles (Hubbell HBL8310, HBL8310I, IG8310, etc.) Order receptacles separately.

Hospital Products
Hubbellock® Mobile X-Ray Devices
50 and 60 Ampere, 250 Volts AC
2 Pole, 3 Wire Grounding

HBL25605

HBL25603

IP30
SUITABILITY

50A 250V AC

60A 250V AC

Mobile
X-Ray Receptacles

Description	Catalog Numbers	
Receptacle with stainless steel plate assembly.	HBL25505	HBL25605
Receptacle with cast aluminum plate assembly.	HBL25503	HBL25603
Replacement receptacle interior.	–	IN16494

50A 250V AC

60A 250V AC

HBL25515

HBL25615

Mobile
X-Ray Plugs

Description	Catalog Numbers	
Plug, with epoxy kit, less cord clamp.	HBL25515	HBL25615
Plug, with cord clamp, less epoxy kit.	HBL25525	HBL25625

Notes: Cord clamp range of plugs with cord clamps .830" to 1.3" (21.1 to 33.0).
50A plugs fit 50A or 60A receptacles.

HBL25509

Accessory

Description	Catalog Numbers
Box stamped steel 8" x 8" x 4" (203.2 x 203.2 x 101.6), accommodates 50A and 60A mobile X-ray receptacles. Knockout sizes 1¼", 1½" and 2".	HBL25509

Hospital Products
Technical Information

Hospital Grade Straight Blade Duplex Receptacles

HBL8200GY

Specifications

Receptacle	Part	Description
Typical Specifications—Catalog No. HBL8200.	Receptacle	15A
Manufacturer's Identification—Hubbell HBL8200 Receptacle.	Top	Thermoplastic Polyester
Description—Hospital Grade Straight Blade Duplex Receptacle.	Base	RTP*
Type—2 Pole, 3 Wire Grounding.	Bypass Power Contacts	.04" (1.0) Brass-Ni Plated
Rating—15A, 125V.	Clamping Plate	.03" (.8) Brass-Ni Plated
Certification—UL Listed.	Mounting Strap	.05" (1.3) Brass-Ni Plated
Fed Spec WC596, Hospital Brade, Meets	Terminal Screws	#10 Silicon Bronze
NEMA and WD-6 Requirements	Grounding Screw	(Green) Silicon Bronze
Listed to UL Standard 498,	Center Assembly Rivet	Silicon Bronze
Certified to CSA, C22.2, No. 42	Auto. Grd. Clip	Stainless Steel
where applicable.	Flat Hd. Mtg. Screws	Stainless Steel

Performance

Electrical

Dielectric Voltage	Withstands 2000V AC Minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated voltage DC.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accomodation	#14-#10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Enviromental-Material

Flammability	UL 94V-0 and UL 94-5 VA.
Operating Temperatures	Maximum continuous 75°C, minimum -40°C (w/o impact).

Notes: *Reinforced Thermoplastic Polyester
　　　　Ni=Nickel

Dimensions in Inches (mm)　　　　www.hubbell-wiring.com　　　　HUBBELL® **Wiring Device-Kellems**　　　　I-15

Hospital Products
Technical Information

Hospital Grade SNAP*Connect*™ Receptacles

SNAP8300I

Specifications

Terminal	Contact	Terminal Body	Wire
SNAP6R1	Brass	Clear Polycarbonate	Solid #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90C (min).
SNAP6R2	Brass	Clear Polycarbonate	Stranded #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90C (min).

Receptacle	Part	Description
Typical Specification – Catalog No. SNAP8300I.	Receptacle	20A
Manufacturer's Identification – Hubbell SNAP8300I.	Top	Nylon
Description – Straight Blade Duplex Receptacle.	Base	Nylon
Type – 2 Pole, 3 Wire, Grounding.	Triple Wipe Power Contacts	Brass
Rating – 20A, 125V.	Mounting Strap	Brass (on Hospital Grade)
Certification – UL Listed to UL 498.	Automatic Grounding Clip	Stainless Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42.	Flat Head Mounting Screws	Steel-Zinc Plated/Self Tapping

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V as rated.
Current Interrupting	Receptacle certified for current interrupting at full rated current with equivalently rated NEMA plug.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated DC current.

Mechanical

Terminal Wire Leads Identification	Terminal wire leads identified in accordance with UL 498 (Black, White, Green).
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

Flammability	UL 94V-2.
Operating Temperatures	Maximum continuous 75°C; minimum -40°C (without impact).

Dimensions

Green Dot on Hospital Grade Only

2.62" (66.5) 3.28" (83.3) .24" (6.1) .86" (21.9) 1.56" (39.7) 1.25" (31.8)

Hospital Products
Technical Information

HBL8215C

HBL8219C

Hospital Grade Insulgrip® Plugs and Connectors

Specifications

Plug	Part	Description
Typical Specification—Catalog No. HBL8215C.	Plug	15A
Manufacturer's Identification—Hubbell HBL8215C Plug.	Blade Holder	Nylon—Natural
Description—Hospital Grade Straight Blade Plug.	Housing	Nylon—Black
Type—2 Pole, 3 Wire Grounding.	Retainer	Polycarbonate—Clear
Rating— 15A, 125V.	Cord Clamp	Nylon—Natural
Certification—UL Listed, CSA Certified.	Contact Blades	.06" (1.5) Brass
UL Verified to Fed. Spec. W-C 596.	Ground Contact Blade	.04" (1.0) Copper Alloy
IP Suitability—IP20.	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Wire Clamps	.08" (2.0) Steel—Nickel Finish

Connector	Part	Description
Typical Specification—Catalog No. HBL8219.	Connector	15A
Manufacturer's Identification—Hubbell HBL8219C.	Conact Holder	Nylon—Natural
Connector.	Housing	Nylon—Black
Description—Hospital Grade Straight Blade Connector Body.	Retainer	Polycarbonate—Clear
Type—2 Pole, 3 Wire Grounding.	Cord Clamp	Nylon—Natural
Rating—15A, 125V.	Contacts	.04" (1.0) Copper Alloy
Certification—UL Listed, CSA Certified.	Line Terminal Screws	#8-32 Brass, Multiple Drive
UL Verified to Fed. Spec. W-C 596.	Ground Screw	#8-32 Brass, Multiple Drive (Green)
IP Suitability—IP20.	Wire Clamps	.08" (2.0) Steel—Nickel Finish

Performance

Eletrical

Dielectric Voltage	Withstands 2000V AC minumum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated voltage DC.

Mechanical

Terminal Identification	Terminals identified in accordance with UL and CSA (Brass, White, Green).
Terminal Accomodation	#18-10 AWG.
Product Identification	Ratings are a permanent part of the device.
Torque Range	Cord clamp/terminal screws 9 to 12 in-lbs.
Cord Diameter Range	.230"-.720" (5.8-18.3) Integral cor grip.

Enviromental-Material

Flammability	UL 94HB or better.
Operating Temperatures	Maximum continuous 75°C, minimum—40°C (w/o impact)

Please concult the factory for product dimensions and specifications for other products listed in this catalog.

Hospital Products
Technical Information

HBL8115V   **HBL8119V**

Hospital Grade Valise® Plugs and Connectors

Specifications

Plug	Part	Description
Typical Specification—Catalog No. HBL8115V.	Plug	15A
Manufacturer's Identification—Hubbell HBL8115V Plug.	Housing	Nylon
Description—Hospital Grade Straight Body Plug.	Blades	Brass
Type— 2 Pole, 3 Wire, Grounding.	Ground Blade	Brass
Rating—15A, 125V.	Terminal Screws	Multiple Drive
Certifications—UL Listed to UL498.	Cable Inserts	Polyphenylene Oxide
File E1706, CSA Certified to C22.2	Terminal Clamps	Plated CR Steel
No. 42 File LR280. Fed. Spec. W-C 596.	Body Holding Screws	Multiple Drive
IP Suitability—IP20.		

Connector		
Typical Specification—Catalog No. HBL8119V.	Connector	15A
Manufacturer's Identifications—Hubbell HBL8119V.	Housing	Nylon
Connector Body.	Contact and Ground Spring	Brass
Description—Hospital Grade Straight Connector Body.	Terminal Screws	Multiple Drive
Type—2 Pole, 3 Wire, Grounding.	Cable Inserts	Polyphenylene Oxide
Rating—15A, 125V.	Terminal Clamps	Plated CR Steel
Certifications—UL Listed to UL498.	Body Holding Screws	Multiple Drive
File E1706, CSA Certified to C22.2		
No. 42 File LR280. Fed. Spec. W-C 596.		
IP Suitability—IP20.		

Performance

Electrical

Dielectric Voltage	Withstands 2000V AC minimum.
Max. Working Voltage	125V or 250V as rated.
Current Inerrupting	Certified for current Interrupting at full rated current.
Temperature Rise	Max. 30°C temerature rise at full rated current.

Mechanical

Terminal Identification	Terminals identified in accordance with UL and CSA (Brass, White, & Green)
Terminal Accomodation	#16 to #12 AWG.
Product Identification	Ratings are a permanent part of the device.
Torque	Terminal screws 12 in.-lbs. Cord clamp screws 7 to 10 in.-lbs.
Cord Diameter Range	.300" to .660" (7.6 to 16.8)

Enviromental-Material

Flammability	UL 94 HB
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact).

Standards

NEMA Configurations WD6.
Listed to UL Standard UL498 and UL Verified to Ped. Spec. W-C 596.
Certified to CSA Standard C22.2 No. 42.

Section J
SpikeShield® Power Quality Products

Index

Surge Protection Panels & Wired-In Panel Protection

HomeGuard™ Surge Utility Meter Socket

SpikeShield® Surge Suppression Plug Strips

Surge Suppression & Isolated Ground Receptacles

Surge Protection Devices (SPDs) Introduction

Panel Protection

The SpikeShield® line of panel surge protection devices offers a broad selection of products to meet the various requirements of industrial, commercial, institutional and residential applications. No other surge suppression system can meet the flexibility, safety and performance standards set by Hubbell.

Hubbell offers surge protection products which can handle peak amperage capacities of 40kA to 320kA.

The SpikeShield product line also includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

The SpikeShield branch panel protection system includes the complete compact and economical 40, 80, 100 and 120kA series product offering.

These wired-in products can protect branch panels, safety switches and load centers. They can be installed as an appendage or flush mounted to a finished wall next to the panel. The versatility of the wired-in products allows them to be used on branch panels, as well as main panel protection found in smaller commercial facilities.

For DIN Rail and flange mounted applications, Hubbell offers 40kA series wired products and 65kA parallel wired products.

SpikeShield® Power Quality Products
Surge Protection Devices (SPDs) Introduction

The most frequently asked questions about surge protection.

Where do power problems come from?
Surprise – only about a third come from outside the facility, from sources such as lightning, utility grid switching and so forth. The great majority of problems come from within the facility from motors or other inductive loads as they switch on and off. Loss of power is another source because as power is restored, it does not come back in a stable fashion, but as a high-voltage transient. Brownouts do not cause electronic equipment to fail, but the transients associated with them do.

What causes transient voltages?
HVAC equipment, elevator motors, robotic equipment – basically, all inductive loads, regardless of size. In the office, they are caused by coffee makers, air conditioners, photocopiers, laser printers and vending machines.

Do Hubbell Surge Suppressors meet the updated UL 1449 standard?
Yes. The Hubbell SPD product offering has been tested to and complies with the latest UL 1449 Edition 2.5 or 3.

What are the requirements to the February 9, 2007 update to UL 1449 Edition 2.5?
An abnormal over voltage test is one of the major tests contained in UL 1449. This test is to ensure that a SPD will not create a shock or fire hazard when subjected to sustained, long-term, over voltages (i.e., not surge events). Products manufactured to UL 1449 after February 9, 2007, must pass four additional sustained. Over voltage tests with currents limited to 10 amperes, 100 amperes, 500 amperes and 1000 amperes for a period of time up to 7 hours. To successfully pass the test, the SPD must not create a fire or shock hazard during or after the test.

Do the existing SPD units manufactured or installed before February 9, 2007 need to be replaced?
No. UL constantly reviews product categories based on research in an effort to improve on the safety and performance of products. Although a product may have been manufactured prior to February 9, 2007 it does not lose its UL recognition and remains listed to the safety standard in place at the time of manufacture.

What are the changes to UL 1449 for October 9, 2009?
UL issued the 3rd Edition of UL 1449 in September of 2006 with a required compliance by October 2009. The 3rd Edition encompasses all of the 2nd Edition changes plus more stringent safety testing requirements. Surge Protection Devices tested to the 3rd Edition will be subjected to a more severe series of Surge Withstand, Fault Withstand and Over Voltage Safety Tests than ever before.

UL 1449 Edition 2.5 utilizes a suppressed voltage rating (SVR), with a minimum value of 330 volts with a 500 ampere peak current surge. UL 1449 3rd Edition will use a voltage protection rating (VPR—also with a 330 volt minimum) with a 3,000 peak ampere surge.

What are MCOV and SCCR Specifications?
The maximum continuous over voltage rating (MCOV) is the rated continuous voltage that can be applied to the surge components without having the surge protector react. If the normal electrical voltage exceeds the MCOV, the surge protector will conduct continuously and eventually fail. A low MCOV rating increases the surge protector's susceptibility to a temporary over voltage.

SCCR-NEC 280 – requires surge arresters to be marked with a Short Circuit Current Rating (SCCR) and be coordinated with the electrical system. The available short circuit current at the point of installation must not be in excess of the SCCR of the arrester.

What does Hubbell offer that other companies do not?
- The broadest product line in the industry.
- LED diagnostics that indicate the surge protection device is functioning properly.
- 10-year limited warranty on all wired-in products.
- Knowledge of your facility's circuits that comes with over 120 years as a leading provider of commercial and industrial wiring devices and systems.

Are diagnostics on a surge protection device important?
Yes. Many surge protection devices do not have indicators or alarms that report loss of protection. If failure occurs, you don't know about it and may continue to use the EXPIRED suppressors.

Is response time important when selecting a surge protection device?
Of course. However, transients actually occur in a micro or millisecond, which is relatively slow. Most surge protection components react a thousand to a million times faster, so response time is irrelevant. Often, this issue has been the focal point when discussing the merits of surge protection devices. Unfortunately, response time lacks accepted testing parameters, and the industry has yet to adopt sufficient testing specifications for response time.

SpikeShield® Power Quality Products
320kA Service Entrance Surge Panels
Features and Benefits

Diagnostics panel.

Surge counter.

Surface mounting.

#10 AWG to #2 AWG lug size.

NEMA 3R/12 enclosure.

Bolt-down, replaceable modules.

320kA Service Entrance Surge Panels

Features	Benefits
Thermal fusing.	Thermal fuse prevents the MOVs from overheating when exposed to high current levels, a patented Hubbell exclusive.
Compact design with bus-bar pathways.	Allows installation in areas with space restrictions. Minimizes connecting lead length which reduces impedance ensuring improved clamping performance.
320kA peak amp capacity.	Protects equipment under the worst electrical conditions.
Bolt-down modules.	Assures positive connection and allows for easy replacement.
Fault-current fusing.	Prevents excessive panel damage caused by internal short circuits or component failure.
LED and audible alarm status indicator.	Provides visual and audible indication of panel status. Green for operational, red for module failure. Audible alarm for module failure with silencing.
Sine wave tracking.	Provides uniform clamping throughout the sine wave.

Note: All panel products are UL Listed to Standard 1449-2.5.

SpikeShield® Power Quality Products
320kA Service Entrance Surge Panels
Ordering and Specifications

The SpikeShield Service Entrance product line includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

They incorporate a modular (replaceable surge suppression modules) design and feature the latest industry approvals and safety ratings. Including UL 1449-2.5.

| HBL4P320A | HBL8P320DA |

Service Entrance Surge Panels 320,000 Peak Amp Capacity

Service Voltage V AC	Configuration	Catalog Numbers	With Disconnect	Replacement Module
120/240 (Single Phase)	1Ph. 3-wire +G	**HBL3P320A**	HBL3P320DA	HBL320M120A
120/208 Wye	3Ph. Wye 4-wire +G	**HBL4P320A**	HBL4P320DA	HBL320M120A
220/380 Wye	3Ph. Wye 4-wire +G	**HBL7P320A**	HBL7P320DA	HBL320M277A
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P320A**	HBL6P320DA	HBL320M240A & HBL320M120A
240 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	**HBL5P320A**	HBL5P320DA	HBL320M240A
277/480 Wye	3Ph. Wye 4-wire +G	**HBL8P320A**	HBL8P320DA	HBL320M277A
480 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	**HBL9P320A**	HBL9P320DA	HBL320M277A
347/600 Wye	3Ph. Wye 4-wire +G	**HBL10P320A**	HBL10P320DA	HBL320M347A
600 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	**HBL11P320A**	HBL11P320DA	HBL320M347A

Note: Units come standard with Surge Counter.

Electrical Specifications

Catalog Number	SCCR*	MCOV †	Voltage Protection Rating (VPR)			
			L-N	L-G	N-G	L-L
HBL3P320A	200kA	150/270	400	400	400	800
HBL4P320A	200kA	150/270	400	400	400	800
HBL5P320A	200kA	300	N/A	N/A	N/A	900
HBL6P320A	200kA	275/150	800/400	800/400	400	1500/800
HBL7P320A	200kA	320/490	800	800	800	1500
HBL8P320A	200kA	320/640	800	800	800	1500
HBL9P320A	200kA	640	N/A	N/A	N/A	1500
HBL10P320A	200kA	390/780	1200	1200	1200	2000
HBL11P320A	200kA	780	N/A	N/A	N/A	2000

Max. Surge Current per Phase:	320kA
Max. Operating Temperature:	-40ºF to 149ºF (-40ºC to 65ºC)
Diagnostics:	Red & Green LED's, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Surge Counter
Dimensions with Disconnect:	6.0"D x 20.0"W x 24.0"L
Dimensions without Disconnect:	7.0"D x 16.0"W x 20.0"L
Weight:	38.7 lbs. (without Disconnect), 50.6 lbs. (with Disconnect)
Terminal Accommodation:	#10 AWG to #2 AWG
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	3R/12 Metallic
UL:	Listed to standard 1449-2.5
Warranty:	10 year

*Notes: * SCCR - Short Circuit Current Rating.*
† MCOV - Maximum Continuous Operating Voltage.

SpikeShield® Power Quality Products
160kA Service Entrance Surge Panels
Features and Benefits

Diagnostics panel.

Surge counter.

Surface mounting.

#12 AWG to #2 AWG lug size.

NEMA 3R/12 enclosure.

Bolt-down, replaceable modules.

160kA Service Entrance Surge Panels

Features	Benefits
Thermal fusing.	Thermal fuse prevents the MOVs from overheating when exposed to high current levels, a patented Hubbell exclusive.
Compact design with bus-bar pathways.	Allows installation in areas with space restrictions. Minimizes connecting lead length which reduces impedance ensuring improved clamping performance.
160kA peak amp capacity.	Protects equipment under the worst electrical conditions.
Bolt-down modules.	Assures positive connection and allows for easy replacement.
Fault-current fusing.	Prevents excessive panel damage caused by internal short circuits or component failure.
LED and audible alarm status indicator.	Provides visual and audible indication of panel status. Green for operational, red for module failure. Audible alarm for module failure with silencing.
Sine wave tracking.	Provides uniform clamping throughout the sine wave.

Note: All panel products are UL Listed to Standard 1449-2.5.

SpikeShield® Power Quality Products
160kA Service Entrance Surge Panels
Ordering Information and Specifications

The 160kA Service Entrance panel series utilizes the same low impedance bus-bar design as the 320kA series which eliminates long lead lengths while providing superior clamping levels. It's been designed for optimum performance and protection against voltage transients generated from internal or external sources.

They incorporate a modular (replaceable surge suppression modules) design and feature the latest industry approvals and safety ratings. Including UL 1449-2.5.

HBL4P160A   HBL8P160DA

Service Entrance Surge Panels 160,000 Peak Amp Capacity

Service Voltage V AC	Configuration	Catalog Numbers	With Disconnect	Replacement Module
120/240 (Single Phase)	1Ph. 3-wire +G	HBL3P160A	HBL3P160DA	HBL160M120A
120/208 Wye	3Ph. Wye 4-wire +G	HBL4P160A	HBL4P160DA	HBL160M120A
220/380 Wye	3Ph. Wye 4-wire +G	HBL7P160A	HBL7P160DA	HBL160M277A
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P160A	HBL6P160DA	HBL160M240A and HBL160M120A
240 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	HBL5P160A	HBL5P160DA	HBL160M240A
277/480 Wye	3Ph. Wye 4-wire +G	HBL8P160A	HBL8P160DA	HBL160M277A
480 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	HBL9P160A	HBL9P160DA	HBL160M277A
347/600 Wye	3Ph. Wye 4-wire +G	HBL10P160A	HBL10P160DA	HBL160M347A
600 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	HBL11P160A	HBL11P160DA	HBL160M347A

Note: Units come standard with surge counter.

Electrical Specifications

Catalog Number	SCCR*	MCOV †	Voltage Protection Rating (VPR)			
			L-N	L-G	N-G	L-L
HBL3P160A	200kA	150/270	400	400	400	800
HBL4P160A	200kA	150/270	400	400	400	800
HBL5P160A	200kA	300	N/A	N/A	N/A	900
HBL6P160A	200kA	275/150	800/400	800/400	400	1500/800
HBL7P160A	200kA	320/490	800	800	800	1500
HBL8P160A	200kA	320/640	800	800	800	1500
HBL9P160A	200kA	640	N/A	N/A	N/A	1500
HBL10P160A	200kA	390/780	1200	1200	1200	2000
HBL11P160A	200kA	780	N/A	N/A	N/A	2000

Max. Surge Current per Phase:	160kA
Max. Operating Temperature:	-40ºF to 149ºF (-40ºC to 65ºC)
Diagnostics:	Red & Green LED's, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Surge Counter
Dimensions with Disconnect:	6.0"D x 20.0"W x 24.0"L
Dimensions without Disconnect:	7.0"D x 16.0"W x 20.0"L
Weight:	44 lbs. (with disconnect)
Terminal Accommodation:	#12 AWG to #2 AWG
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	3R/12 Metallic
UL:	Listed to standard 1449-2.5
Warranty:	10 year

*Notes: * SCCR - Short Circuit Current Rating.*
† MCOV - Maximum Continuous Operating Voltage.

SpikeShield® Power Quality Products
120kA Branch Panel Surge Products
Features and Benefits

Diagnostics panel.

Surge counter.

Surface mounting.

#12 AWG to #2 AWG lug size.

NEMA 3R/12 enclosure.

120kA Branch Panel Surge Products

Features	Benefits
Thermal fusing.	Thermal fuse prevents the MOVs from overheating when exposed to high current levels, a patented Hubbell exclusive.
Compact design with bus-bar pathways.	Allows installation in areas with space restrictions. Minimizes connecting lead length which reduces impedance ensuring improved clamping performance.
120kA peak amp capacity.	Protects equipment under the worst electrical conditions.
Bolt-down modules.	Assures positive connection and allows for easy replacement.
Fault-current fusing.	Prevents excessive panel damage caused by internal short circuits or component failure.
LED and audible alarm status indicator.	Provides visual and audible indication of panel status. Green for operational, red for module failure. Audible alarm for module failure with silencing.
Sine wave tracking.	Provides uniform clamping throughout the sine wave.

Note: All panel products are UL Listed to Standard 1449-2.5.

SpikeShield® Power Quality Products
120kA Branch Panel Surge Products
Ordering Information and Specifications

The SpikeShield 120kA Branch Panel protection system includes the complete compact and economical product offering.

These wired-in products can protect branch panels, safety switches and load centers. They can be installed as an appendage or flush mounted to a finished wall next to the panel. The versatility of the wired-in products allows them to be used on branch panels, as well as main panel protection found in smaller commercial facilities or residential applications.

HBL8P120A

Branch Panel Surge Products 120,000 Peak Amp Capacity

Service Voltage V AC	Configuration	Catalog Numbers	Replacement Module
120/240 (Single Phase)	1Ph. 3-wire +G	HBL3P120A	HBL3P120AM
120/208 Wye	3Ph. Wye 4-wire +G	HBL4P120A	HBL4P120AM
220/380 Wye	3Ph. Wye 4-wire +G	HBL7P120A	HBL7P120AM
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P120A	HBL6P120AM
240 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	HBL5P120A	HBL5P120AM
277/480 Wye	3Ph. Wye 4-wire +G	HBL8P120A	HBL8P120AM
480 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	HBL9P120A	HBL9P120AM
347/600 Wye	3Ph. Wye 4-wire +G	HBL10P120A	HBL10P120AM
600 Delta corner ground	3Ph. Delta 3-wire Corner Gnd	HBL11P120A	HBL11P120AM

Note: Units come standard with surge counter.

Electrical Specifications

Catalog Number	SCCR*	MCOV †	Voltage Protection Rating (VPR)			
			L-N	L-G	N-G	L-L
HBL3P120A	200kA	150/270	500	500	500	800
HBL4P120A	200kA	150/270	500	500	500	800
HBL5P120A	200kA	300	N/A	N/A	N/A	700
HBL6P120A	200kA	275/150	800/500	900/500	N/A	800/500
HBL7P120A	200kA	320/490	900	1200	1200	1800
HBL8P120A	200kA	320/640	900	1200	1200	1800
HBL9P120A	200kA	640	N/A	N/A	N/A	1800
HBL10P120A	200kA	390/780	1200	1500	1500	2500
HBL11P120A	200kA	780	N/A	N/A	N/A	2500

Max. Surge Current per Phase:	120kA
Max. Operating Temperature:	-40ºF to 149ºF (-40ºC to 65ºC)
Diagnostics:	Red & Green LED's, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Surge Counter
Dimensions:	6.0"D x 20.0"W x 24.0"L
Weight:	17 lbs.
Terminal Accommodation:	#12 AWG to #2 AWG
Frequency:	50/60/400 Hz
EMI/RFI:	Up to -30dB
NEMA:	3R/12 Metallic
UL:	Listed to standard 1449-2.5
Warranty:	10 year

*Notes: * SCCR - Short Circuit Current Rating.*
† MCOV - Maximum Continuous Operating Voltage.

SpikeShield® Power Quality Products
Wired-In Branch Panel Surge Products
100,000 Peak Amperage Capacity

HBL4W100B

The wired-in surge protection device brick design is ideal for areas where space is a major consideration. The surge unit can be mounted directly to the panel through a chase nipple connection which will reduce lead length and impedance while increasing protection levels.

They SpikeShield compact wired-in Branch Panel series includes 100kA, 80kA and 40kA offerings. All series are listed to the latest standards and are UL listed to standard 1449-2.5.

Wired-In Branch Panel Surge Products 100,000 Peak Amp Capacity

Service Voltage V AC	Configuration	Catalog Numbers
120/240 (Single Phase)	1Ph. 3-wire +G	**HBL3W100B**
120/208 Wye	3Ph. Wye 4-wire +G	**HBL4W100B**
220/380 Wye	3Ph. Wye 4-wire +G	**HBL7W100B**
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6W100B**
240 Delta	3Ph. Delta 3-wire	**HBL5W100B**
277/480 Wye	3Ph. Wye 4-wire +G	**HBL8W100B**
480 Delta	3Ph. Delta 3-wire	**HBL9W100B**
347/600 Wye	3Ph. Wye 4-wire +G	**HBL10W100B**
600 Delta	3Ph. Delta 3-wire	**HBL11W100B**

Note: Short Circuit Current Rating. All of the XW100B are suitable for use on a circuit capable of delivering not more than 22,000 RMS symmetrical amperes; 600 Volts Maximum, when protected by the class CC fuses included with the unit.

Electrical Specifications

Catalog Number	SCCR*	MCOV †	Voltage Protection Rating (VPR)			
			L-N	L-G	N-G	L-L
HBL3W100B	22kA	150/270	400	500	400	800
HBL4W100B	22kA	150/270	400	500	400	800
HBL5W100B	22kA	300	N/A	N/A	N/A	800
HBL6W100B	22kA	275/150	500	500	500	800
HBL7W100B	22kA	320/490	900	900	900	1800
HBL8W100B	22kA	320/640	900	900	900	1800
HBL9W100B	22kA	640	N/A	N/A	N/A	1800
HBL10W100B	22kA	390/780	1200	1200	1200	2500
HBL11W100B	22kA	780	N/A	N/A	N/A	2500

*Notes: * SCCR - Short Circuit Current Rating.*
† MCOV - Maximum Continuous Operating Voltage.

Product Specifications

Max. Surge Current per Phase:	100kA
Max. Operating Temperature:	-40ºF to 140ºF (-40ºC to 60ºC)
Diagnostics:	Green Status LED's, Audible Alarm, Dry Contacts
Dimensions:	2.60"D x 10.60"W x 4.75"H
Weight:	3 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	1, Non-Metallic
UL:	Listed to standard 1449-2.5
Warranty:	10 year

SpikeShield® Power Quality Products
Wired-In Branch Panel Surge Products
80,000 and 40,000 Peak Amperage Capacity

Wired-In Branch Panel Surge Products 80,000 Peak Amp Capacity

Service Voltage V AC	Configuration	Catalog Numbers
120/240 (Single Phase)	1Ph. 3-wire +G	HBL3W80A
120/208 Wye	3Ph. Wye 4-wire +G	HBL4W80A
220/380 Wye	3Ph. Wye 4-wire +G	HBL7W80A
240 Delta	3Ph. Delta 3-wire	HBL5W80A
277/480 Wye	3Ph. Wye 4-wire +G	HBL8W80A
480 Delta	3Ph. Delta 3-wire	HBL9W80A
600 Delta	3Ph. Delta 3-wire	HBL11W80A

Note: Short Circuit Current Rating. XW80A is suitable for use on a circuit capable of delivering not more than 22,000 rms symmetrical amperes. 600 Volts Maximum, when protected by the class CC fuses included with the unit.

HBL4W80A

Electrical Specifications

Catalog Number	SCCR*	MCOV †	Voltage Protection Rating (VPR)			
			L-N	L-G	N-G	L-L
HBL3W80A	22kA	150/270	400	500	400	800
HBL4W80A	22kA	150/270	400	500	400	800
HBL5W80A	22kA	300	N/A	N/A	N/A	800
HBL7W80A	22kA	320/490	900	900	900	1800
HBL8W80A	22kA	320/640	900	900	900	1800
HBL9W80A	22kA	640	N/A	N/A	N/A	1800
HBL11W80A	22kA	780	N/A	N/A	N/A	22500

Max. Surge Current per Phase:	80kA
Max. Operating Temperature:	-40ºC to 60ºC (-40ºF to 140ºF)
Diagnostics:	Green Status LED
Dimensions:	8.60L x 4.0"W x 2.93"H
Weight:	6.7 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	1, Non-Metallic
UL:	Listed to standard 1449-2.5
Warranty:	10 year

*Notes: * SCCR - Short Circuit Current Rating.*
† MCOV - Maximum Continuous Operating Voltage.

HBL3W40A

Wired-In Branch Panel Surge Products 40,000 Peak Amp Capacity

Service Voltage V AC	Configuration	Catalog Numbers
120 Single Phase	Side Nipple, LED, Audible Alarm	HBL1W40A
230 Single Phase	Side Nipple, LED, Audible Alarm	HBL2W40A*
120/240 Single Phase	Side Nipple, Two LEDs, Audible Alarm	HBL3W40A
120/240 Single Phase	Two LEDs, Audible Alarm	HBL3F40A**
120/240 Single Phase	Back Nipple, Two LEDs, Audible Alarm	HBL3W40BA

*Notes: * For international applications.*
*** Flush mount.*

HBL3F40A

Electrical Specifications

Catalog Numbers	SCCR*	MCOV †	Voltage Protection Rating (VPR)			
			L-N	L-G	N-G	L-L
HBL1W40A	22kA	150	500	1200	800	N/A
HBL2W40A	10kA	320	1000	2000	1000	N/A
HBL3W40A	22kA	150/270	500	1200	800	900
HBL3F40A	22kA	150/270	500	1200	800	900
HBL3W40BA	22kA	150/270	500	1200	800	900

Max. Surge Current per Phase:	40kA
Max. Operating Temperature:	-40ºF to 140ºF (-40ºC to 60ºC)
Diagnostics:	Green Status LED's, Audible Alarm
Dimensions:	2.67"D x 3.75"W x 3.60"H
Weight:	1.2 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	4X Non-Metallic
UL:	Listed to standard 1449-2.5
Warranty:	10 year

*Notes: * SCCR - Short Circuit Current Rating.*
† MCOV - Maximum Continuous Operating Voltage.

SpikeShield® Power Quality Products
DIN Rail Surge Products
65,000 and 40,000 Peak Amperage Capacity

OEM/Specialty Surge Protection

The SpikeShield offering includes a selection of hard-wired surge suppressors that can be internally mounted inside equipment cabinets. The DR series are DIN Rail mounted, provide 65,000 peak amp capacity and are parallel wired. The TDR series features an integral DIN Rail mounting system and a set of attachable mounting feet that allows the device to be flange mounted. The TDR models provide 40,000 peak amp capacity, up to -75dB of noise filtration and are series wired. Load ratings of 5, 15, and 20 amps are available in the 120-volt model and may be ordered with or without a set of dry contacts for remote signaling capability. Both products are ideal for panel builders, manufacturers and integrators of control or instrumentation cabinets for industrial, medical or commercial applications.

DIN Rail Mounted, Parallel-Wired (DR Series)

Service Voltage V AC	Configuration	Catalog Numbers
120 (Single Phase)	1Ph. 2-wire +G	HBL1DR65
240 (Single Phase)	1Ph. 2-wire +G	HBL2DR65**

*Note: ** For international applications.*

HBL1DR65

Electrical Specifications

Catalog Number	MCOV †	Voltage Protection Rating (VPR)			
		L-N	L-G	N-G	L-L
HBL1DR65	150	400	400	400	N/A
HBL2DR65	320	800	800	800	N/A

Max. Surge Current per Phase:	65kA
Max. Surge Current per Mode:	32kA
Max. Operating Temperature:	-10°F to 60°F (14°C to 140°C)
Diagnostics:	Green Status LED's, Audible Alarm, Diagnostic Contacts
Dimensions:	2.28"D x 2.82"W x 3.5"H
Weight:	0.512 lbs.
Terminal Accommodation:	Up to #12 AWG
Frequency:	50/60/400 Hz
EMI/RFI:	Up tp -40dB
NEMA:	1, Non-Metallic
Warranty:	10 year

Note: † MCOV - Maximum Continuous Operating Voltage.

DIN Rail/Flange Mounted, Series Wired (TDR Series)

Service Voltage	Configuration	Catalog Numbers with Dry Contacts	Catalog Numbers without Dry Contacts
120 (Single Phase)	1Ph. 2-wire +G	HBL1TDR755DC	HBL1TDR755
120 (Single Phase)	1Ph. 2-wire +G	HBL1TDR7515DC	HBL1TDR7515
120 (Single Phase)	1Ph. 2-wire +G	HBL1TDR7520DC	HBL1TDR7520
240 (Single Phase)	1 Phase 2 wire	HBL2TDR7520DC**	

*Note: ** For international applications.*

HBL1TDR755

Electrical Specifications

Catalog Numbers		SCCR*	Mounting	MCOV †	Voltage Protection Rating (VPR)			
					L-N	L-G	N-G	L-L
HBL1TDR755DC	HBL1TDR755	5	Back Nipple	150	330	330	330	N/A
HBL1TDR7515DC	HBL1TDR7515	15	Back Nipple	150	330	330	330	N/A
HBL1TDR7520DC	HBL1TDR7520	20	Side Nipple	150	330	330	330	N/A
HBL2TDR7520DC	–	20	Side Nipple	320	800	800	700	N/A

Max. Surge Current per Phase:	40kA
Max. Surge Current per Mode:	20kA
Max. Operating Temperature:	-10°F to 60° F (14°C to 140°C)
Diagnostics:	Green Status LED's, Dry Contacts
Dimensions:	5.26"D x 4.00"W x 2.23"H
Weight:	1 lbs.
Terminal Accommodation:	Up to #12AWG
Frequency:	60 Hz
NEMA:	1, Non-Metallic
Warranty:	10 year

*Notes: * SCCR - Short Circuit Current Rating*
† MCOV - Maximum Continuous Operating Voltage.

SpikeShield® Power Quality Products
Utility Meter Surge Protection
120,000 Peak Amperage Capacity

HomeGuard™ Meter-Mounted Residential Surge Protection

Hubbell's SpikeShield SPD offering also includes a product designed to provide "Whole House Protection" at the utility meter socket. The HomeGuard surge suppression system provides service entrance protection against lightning or other externally generated transients. This products has a 120,000 peak amp capacity for single phase 200 amp meter sockets. HomeGuard is designed to isolate your home from external events that affect power quality.

Utility Meter Surge Protection

Service Voltage V AC	Configuration	Catalog Numbers
120/240 (Single Phase)	1PH 120/240 V AC	**HBL80MPC**

HBL80MPC

Electrical Specifications

Catalog Number	SCCR*	MCOV †	Voltage Protection Rating (VPR)
HBL80MPC	10kA	150/per phase	700

Max. Surge Current per Phase:	60kA
Max. Total Surge Current:	120kA
Max. Operating Temperature:	-10°F to 60°F (14°C to 140°C)
Diagnostics:	Audible Alarm
Dimensions:	3.63"H x 8.73"W
EMI/RFI:	Up tp -20dB
Frequency:	60 Hz
NEMA:	3R, 2 Meter Base, Non-Metallic
Warranty:	10 year

*Notes: * SCCR - Short Circuit Current Rating.*
† MCOV - Maximum Continuous Operating Voltage.

Features	Benefits
Thermal fusing.	Thermal fuse prevents the MOV from overheating when exposed to high current levels, a patented Hubbell exclusive.
Meter socket adapter design.	Mounts quickly and easily to the meter socket at the entrance.
Audible alarm.	Audible alarm for module failure.

Note: HomeGuard is UL (cUL) Listed as a secondary surge arrester and tested to ANSI/IEEE C62.11 Standard.

Hubbell HomeGuard™ meter-mount surge protector is pictured above, connected to local utility service. HomeGuard™ meter-mounted surge protection should be installed by your local utility service.

SpikeShield® Power Quality Products
Surge Protection Plug Strips
Features and Benefits

Ⓤ Meets UL 1449 3rd edition.

6.0 ft. or 15.0 ft. 3-wire common power cord available.

15 amp resetable push on/off circuit breaker switch.

RFI noise filtering.

Diagnostic LED indicators.

PROTECTED   GROUNDED

Telephone/fax/modem protection.

Tamper resistant outlets (8).

CATV protection.

Extra space for transformers (4).

Lifetime Product Warranty	
Clamping voltage	330V
Surge current	Up to 39kVA
Energy (joules)	Up to 2.1kA

SpikeShield® Power Quality Products
Surge Protection Plug Strips
15 Ampere, 125 Volts 60Hz

SpikeShield® Surge Protection Plug Strips

Catalog Numbers	Application/Description	Power Cord	# Of Outlets	Correct Wire LED	Surge Status LED	Ratings
HBL6PSHG**	Plug strip, surge protection and **hospital grade devices.** Black metal housing.	6'	6	No	Yes	15A, 125V AC 450 joules L-N 225 joules L-G 225 joules N-G
HBL6PS*	Plug strip, audible alarm, **industrial grade receptacles** and surge protection.	6'	6	No	Yes	15A, 125V AC 450 joules L-N 225 joules L-G 225 joules N-G
HBL6PS350	Plug strip w/ surge protection.	6'	6	Yes	Yes	15A, 125V AC 350 joules, 6,500A max surge current
HBL6PS35015	Plug strip w/ surge protection.	15'	6	Yes	Yes	15A, 125V AC 350 joules, 6,500A max surge current
HBL6PS1050M	Plug strip w/ surge protection and fax/modem protection.	6'	6	Yes	Yes	15A, 125V AC 1050 joules, 19,500A max surge current
HBL7PS1050	Plug strip w/ filtering and surge protection.	6'	7	Yes	Yes	15A, 125V AC 1050 joules, 19,500A max surge current
HBL7PS105015	Plug strip w/ filtering and surge protection.	15'	7	Yes	Yes	15A, 125V AC 1050 joules, 19,500A max surge current
HBL7PS1050M	Plug strip w/ filtering, surge protection and fax/modem protection.	6'	7	Yes	Yes	15A, 125V AC 1050 joules, 19,500A max surge current
HBL8PS2100M	Plug strip w/ filtering, surge protection and audible alarm and fax/modem protection.	6'	8	Yes	Yes	15A, 125V AC 2100 joules, 39,000A max surge current
HBL8PS2100D	Plug strip w/ filtering and surge protection for audible alarm and CATV protection.	6'	8	Yes	Yes	15A, 125V AC 2100 joules 39,000A max surge current

Notes: * HBL6PS features industrial grade HBL5252BK receptacles.
   **HBL6PSHG features hospital grade HBL8200HW receptacles and a HBL8115V hospital grade plug. Not for use in general or critical patient care areas.

HBL6PS

HBL6PS350

HBL7PS1050

HBL8PS2100D

SPD Module

Catalog Numbers	Application/Description	Input
HBLCATC	Surge protection module for antenna and CATV.	Plugs into standard receptacle.
HBLTELC	Surge protection module for telephone and fax/modem.	Plugs into standard receptacle.

Note: For technical information, see page J-18.

HBLTELC

SpikeShield® Power Quality Products
Surge Protection Receptacles
Features and Benefits

Hubbell has the broadest offering of SPD receptacles in the industry with technology that is unsurpassed. Inside Hubbell SPD receptacles are two 22mm square MOVs providing 240 joules of surge protection for each mode. The nylon component shield protects the printed circuit board from moisture and contaminants. An all-glass PC board provides superior moisture immunity for longer life in humid environments. Conformal coating is provided on the printed circuit board for additional moisture immunity.

Meets UL Standards 1449 and 498; CSA Certified.

Damage-alert alarm sounds when surge protection is no longer functioning...and keeps sounding until the receptacle is replaced or muting screw is utilized.

Muting screw allows damage-alert alarm to be silenced until device is replaced.

Power-on indicator light verifies instantly that power is available at the receptacle and the suppression circuit is fully functional; light off means power has been interrupted; flashing light indicates surge protection circuitry has been damaged.

Distinctive surge symbol provides quick visual identification of surge suppression receptacle. High-impact nylon face resists breakage.

Automatic grounding clip attached to bridge meets NEC requirements.

Fits standard wall box.

Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.

SpikeShield® Power Quality Products
Surge Protection Receptacles
15 and 20 Ampere, 125 Volts AC 60 Hz

15A 125V
NEMA 5-15R
UL CSA

20A 125V
NEMA 5-20R
UL CSA

Circuit Guard®, Specification Grade Duplex Receptacles

Description	Color	Catalog Numbers	
Surge suppression receptacles with light, 240 joules/15000A per mode.	Blue	HBL5260SA	HBL5360SA
	Ivory	HBL5260ISA	HBL5360ISA
	Office White	HBL5260OWSA	HBL5360OWSA
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Almond	HBL5262ALSA	HBL5362ALSA
	Blue	HBL5262SA	HBL5362SA
	Gray	HBL5262GYSA	HBL5362GYSA
	Ivory	HBL5262ISA	HBL5362ISA
	Office White	HBL5262OWSA	HBL5362OWSA
	White	HBL5262WSA	HBL5362WSA
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	IG5262SA	IG5362SA
	Gray	IG5262GYSA	IG5362GYSA
	Ivory	IG5262ISA	IG5362ISA
	Office White	IG5262OWSA	IG5362OWSA
	Orange	IG5262OSA	IG5362OSA
	White	IG5262WSA	IG5362WSA
4-PLEX® surge suppression receptacles with lights. 80 joules/6500A per mode.	Blue	HBL415S	HBL420S
	Ivory	HBL415IS	HBL420IS

Circuit Guard®, Hospital Grade Duplex Receptacles

Description	Color	Catalog Numbers	
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Almond	HBL8262ALSA	HBL8362ALSA
	Blue	HBL8262SA	HBL8362SA
	Gray	HBL8262GYSA	HBL8362GYSA
	Ivory	HBL8262ISA	HBL8362ISA
	Red	HBL8262RSA	HBL8362RSA
	White	HBL8262WSA	HBL8362WSA
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	IG8262SA	IG8362SA
	Gray	IG8262GYSA	IG8362GYSA
	Ivory	IG8262ISA	IG8362ISA
	Orange	IG8262OSA	IG8362OSA
	Red	IG8262RSA	IG8362RSA
	White	IG8262WSA	IG8362WSA
4-PLEX surge suppression receptacles with lights, 80 joules/6500A per mode.	Blue	–	HBL420HS
	Ivory	–	HBL420HIS

4-PLEX® Accessories

Description	Color	Catalog Numbers
4-PLEX adapter plates for 1- and 2-gang, and 4" (101.6) square device boxes.	Blue	HBL4APBL
	Ivory	HBL4API
4-PLEX portable box. Portable 4" (101.6) square box with cord grip. Accepts up to .66" (16.8) diameter cord.	Ivory	HBL4PBI

Note: 4-PLEX box is not UL Listed.

Wall Plates

Configuration	High-Impact Nylon			Plated Steel		Stainless Steel (S/S) Brass	
	Color	Standard	Mid-Size				
1-gang	Blue	–	NPJ26CBL*	Chrome	SCH26	Smooth S/S	SS26
	Blue	–	NPJ26BL	Brass Plated	SBP26	Smooth S/S	SSJ26⌐
	Gray	NP26GY	NPJ26GY			Smooth Brass	SB26
	Ivory	–	NPJ26C*				
	Ivory	NP26I	NPJ26I				
	Off. White	NP26OW	NPJ26OW				
	Orange	NP26OIG**	–				
	Red	NP26R	NPJ26R				
	White	NP26W	NPJ26W				

Notes: * Premarked "COMPUTER ONLY." Lettering is block ¼" high.
    ** Premarked "ISOLATED GROUND." Lettering is block ¼" high.
    ⌐Jumbo size plate.
    See Section A for technical data for 4-PLEX devices.
    For technical information, see page J-18.

1.30" (33.0) 1.23" (31.2)
3.28" (83.3) 2.62" (66.5) 1.13" (28.7)
1.75" (44.5)

HBL5262GYSA

1.30" (33.0) 1.23" (31.2)
3.28" (83.3) 2.62" (66.5) 1.13" (28.7)
1.75" (44.5)

IG5362SA

1.30" (33.0) 1.23" (31.2)
3.28" (83.3) 2.62" (66.5) 1.13" (28.7)
1.75" (44.5)

HBL8362ISA

.92" (23.4) .1" (2.5)
4.30" sq. (109.2)
3.02" (76.7)
3.38" (85.9)

HBL415S

SpikeShield® Power Quality Products
Surge Protection Device Specifications

SpikeShield® Surge Protection Plug Strips (from page J-15)

	350 Series	1050 Series	2100 Series	6PS Series	HBLTELC/HBLCATC
Operating Specifications					
Max. Cont. Operating Voltage	130	130	130	130	270Vpk/24Vpk
Operating Frequency --- 50/60 Hz---					
Maximum Surge Current	6,500kA	19,500kA	39,000kA	30,000kA	500/200
Operating Temperatures --- -40°F to 160°F (-40°C to 70°C)--					
Performance					
UL Voltage Protection Level	330V	330V	330V	400V	230/45V
EMI/RFI Noise Rejection --Up To 20dB (none on HBL6PS350)--					
Warranty					
Product Warranty	Life Time	Life Time	Life Time	No	Life Time
Downline Warranty	$2,500	$2,500 to $10,000	$25,000	No	No
Physical Specifications					
Housing Type --ABS Plastic---					
Color	Office White	Office White	Office White	Black	Office White
Dimensions					
Length	12.91"/11.26"	11.26"	11.81"	15.5"	
Height	1.85"	1.85"	1.85"	1.75"	
Width	2.36"	2.36"	2.36"	2.0"	

Surge Protection Receptacles (from page J-17)

Typical Specification—HBL5262SA/HBL5362SA	Part	Duplex	4-PLEX®
Type–2 Pole, 3 Wire, Grounding	Receptacle	15A/20A	15A/20A
	Top	Nylon	Lexan®
	Base	Nylon	Lexan®
	Power Contact	.031" (.8) Brass	.032" (.8) Brass
	Contact Design	Tandem Modified Bypass	Triple Wipe
Rating–15A, 125V AC/20A, 125V AC	Mounting Strap	.050" (1.3) Steel-Zinc Coated	–
Certification–UL Listed File E2186	Clamping Plate	.031" (.8) Brass	.031" (.8) Brass-Line Terminal Plate
Listed to UL Standards 498 Receptacles			.031" (.8) Brass-Neutral-Terminal Plate
Meets UL1449-2.5	Terminal Screws	Brass #8-32	Brass #8-32
	Grounding Screw	Steel (Green)	Brass (Green)
CSA Certified to Specification C22.2 No. 42	Auto Grd. Clip	Stainless Steel	.050" (1.3) Ground Plate
ANSI/IEEE C62.41 (IEEE 587)	Mounting Screws	Steel-Zinc Plated	Brass
Installation Categories "A" (Ring Wave)	LED	Red	Green
"B" (Unidirectional Impulse)	Alarm Muting Screw	Nylon	–

Performance

Electrical	Duplex		4-PLEX®	
Frequency	60Hz		60Hz	
Voltage	120V AC + 10%–15%		120V AC + 10%–15%	
Response Time	Approximately 5 ns		Approximately 5 ns	
Protection Modes	Normal and Common Modes		Normal and Common Modes	
Transient Suppression	Peak Energy	Peak Current	Peak Energy	Peak Current
	(10 X 100 µs)	(8 X 20 µs)	(10 x 100 µs)	(8 X 20 µs)
Normal Mode (L-N)	240 joules	15000A	80 joules	6500A
Common Mode (L-G), (N-G)	240 joules	15000A	80 joules	6500A
UL Voltage Protection Level				
UL Portable/Plug-In Test (8 X 20 µs 500A)	340V		412V	
UL Permanently Wired Test (8 X 20 µs 3000A)	490V		530V	
UL Listed	400V max		600V max	
EMI/RFI Attenuation at 50 Ohms Normal Mode	-40 dB		–	
Operating Temperature	32°F to 140°F (0°C to 60°C)		-40°F to 140°F (-40°C to 60°C)	
Flammability	UL 94V-2		UL 94V-2	

HBL5362ISA

HBL5262SA

Lexan® is a trademark of SABIC Innovative Plastics, acquired from General Electric Companny.

SpikeShield® Power Quality Products
Isolated Ground Story

Hubbell Isolated Ground Receptacles
Why do you need an isolated ground device?
When mounting a conventional receptacle in a steel box, the ground is commonly established through the existing electrical system. This is done by using either the grounding clip on the receptacle's mounting strap, or by running a ground wire (which is part of the "normal" existing system) to the green grounding screw.

In a conventional receptacle the grounding contacts are connected to the mounting strap and the green grounding screw. Thus, even when a separate green wire is brought to the receptacle, it is still tied into the normal ground. This occurs since the mounting strap is in contact with the box grounding system, therefore, a "pure" isolated path to the ground is not established.

The Problem
The conventional grounding receptacle provides safety for personnel and equipment. However, the ground network also serves as a giant antenna and conductor of electrical noise. This electrical noise is electromagnetic interference and is caused by numerous transient ground currents. This can produce random transient electrical signals on the grounding system.

As a result, sensitive electronic equipment such as point of purchase terminals, accounting machines, computers and highly sensitive medical and communications equipment, can pick up these transient signals. This can interfere with the proper operation of the equipment.

The Solution
The isolated ground receptacle is similar to a conventional receptacle except for one important change. Insulating barrier construction, first patented by Hubbell, isolates the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. The isolated equipment grounding circuit is completed by running an isolated ground wire to the green grounding screw. This ground wire passes through intermediate panel boards without being connected to their grounding terminal and terminates directly at an equipment grounding conductor terminal of the derived system or service, in accordance with NEC® requirements.

The Result
This "isolated ground" can be kept relatively free of electrical noise. This is achieved since the grounding network has less branches, fewer sources of noise, and is connected to the ground at a single point.

Conventional Receptacle

Green Hex Head Grounding Screw and Circuit
Mounting Strap
Bonding Jumper
Outlet Box
Conduit
Normal "Common" Building Ground

Isolated Ground Receptacle

Green Hex Head Grounding Screw and Circuit
Mounting Strap
Outlet Box
Insulating Barrier
Conduit
Normal "Common" Building Ground
Isolated Ground
Derived System or Service Ground

SpikeShield® Power Quality Products
Straight Blade Isolated Ground Receptacles
Features and Benefits

Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly.

Green grounding screw connected directly to the grounding contacts.

Insulation barrier construction — first patented by Hubbell — isolates ground contacts from the mounting strap.

Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors.

Amperage and voltage clearly indicated.

Back- and side-wiring capability provides easy installation with stranded or solid wire.

Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance.

Impact-resistant nylon face.

Isolated Ground Receptacles,
A "Clean" Path Provides A "Clean" Ground For Sensitive Equipment

In February 1968, Hubbell patented the first isolated ground receptacle. Today – when a clean, noise-free ground is more important than ever – Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

And there's more to the Hubbell line:
• Available in 19 NEMA configurations and a total of 60 different type receptacles.
• Versatility and mobility: With Hubbell's grounding method, Hubbell's IG devices can be mounted in boxes, on metal panels...almost anywhere.
• Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, plus the toughest standard of all...the Hubbell standard of excellence.

IG triangle on the face of the receptacle clearly indicates isolated ground device on the face of the receptacle.

Straight Blade Isolated Ground Receptacles

Ordering Information

Isolated Ground, Straight Blade, Duplex and Single Receptacles

Rating	NEMA Number	NEMA Configuration	Description	Catalog Numbers
15A 125V	5-15R		Duplex, orange.	**IG5262**
			Duplex, gray.	**IG5262GY**
			Duplex, ivory.	**IG5262I**
			Duplex, red.	**IG5262R**
			Duplex, orange.	**CR5252IG**
			Duplex, black.	**CR5252IGBK**
			Duplex, gray.	**CR5252IGGY**
			Duplex, ivory.	**CR5252IGI**
			Duplex, office white.	**CR5252IGOW**
			Duplex, white.	**CR5252IGW**
			Style Line®, orange, duplex.	**IG2152**
			4-PLEX®, orange.	**IG415**
			Single, orange.	**IG5261**
20A 125V	5-20R		Duplex, orange.	**IG5362**
			Duplex, gray.	**IG5362GY**
			Duplex, ivory.	**IG5362I**
			Duplex, red.	**IG5362R**
			Duplex, white.	**IG5362W**
			Duplex, orange.	**CR5352IG**
			Duplex, black.	**CR5352IGBK**
			Duplex, blue.	**CR5352IGBL**
			Duplex, gray.	**CR5352IGGY**
			Duplex, ivory.	**CR5352IGI**
			Duplex, office white.	**CR5352IGOW**
			Duplex, white.	**CR5352IGW**
			Style Line®, orange, duplex.	**IG2162**
			Style Line®, gray, duplex.	**IG2162GY**
			4-PLEX®, orange.	**IG420**
			Single, orange.	**IG5361**
15A 250V	6-15R		Duplex, orange.	**IG5662**
			Single, orange.	**IG5661**
20A 250V	6-20R		Duplex, orange.	**IG5462**
			Single, orange.	**IG5461**
30A 125V	5-30R		Single, orange.	**IG9308**
30A 250V	6-30R		Single, orange.	**IG9330**

IG5262

CR5252IG

IG9308

Hospital Grade, Isolated Ground, Straight Blade Receptacles

Rating	NEMA Number	NEMA Configuration	Description	Catalog Numbers
15A 125V	5-15R		Duplex, orange.	**IG8200**
			Duplex, red.	**IG8200R**
			Single, orange.	**IG8210**
20A 125V	5-20R		Duplex, orange.	**IG8300**
			Duplex, red.	**IG8300R**
			Style Line®, orange.	**IG2182**
			Style Line®, ivory.	**IG2182I**
			Style Line®, white.	**IG2182WA**
			Single, orange.	**IG8310**

Note: Accessories for 4-PLEX Receptacles located on page A-21.

IG8200

Isolated Ground Twist-Lock® Receptacles
Features and Benefits

All-brass mounting and grounding system provides a low resistance ground path.

Insulation barrier construction first patented by Hubbell isolates ground contact from the mounting strap.

Wire restraint recess for both back and side wiring reduces terminal loosening.

High-impact, abuse-resistant nylon face.

Glass-filled thermoplastic polyester base is heat and impact resistant, providing dimensional stability and strength.

Color-coding by voltage rating helps ensure mating of proper devices.

One-piece contact with long spring arm (low stress) and oxide cutting nibs; prevents stress and overheating.

Boss diameter is 1.56 in. (39.6) on 20 and 30A devices, simplifying installation.

#10 silicon bronze terminal screw provides excellent strength and resistance to corrosion and stripping.

Accommodates both back and side wiring.

External back wiring allows visual inspection of terminations.

Automatic grounding clip assures ground continuity between mounting strap and metal wall box.

Face color-coding by voltage facilitates locating and mating of proper devices.

| 125V AC | 250V AC | 480V AC | 125/250V AC |

Isolated Ground Twist-Lock® Receptacles
Ordering Information

Isolated Ground Twist-Lock Receptacles

Rating	NEMA Number	NEMA Configuration	Description	Catalog Numbers
15A 125V	L5-15R		2 pole, 3 wire, duplex. 2 pole, 3 wire, single.	**IG4700A** **IG4710**
15A 250V	L6-15R		2 pole, 3 wire, duplex. 2 pole, 3 wire, single.	**IG4550A** **IG4560**
20A 125V	L5-20R		2 pole, 3 wire, single.	**IG2310**
20A 250V	L6-20R		2 pole, 3 wire, single.	**IG2320**
20A 480V AC	L8-20R		2 pole, 3 wire, single.	**IG2340**
30A 125V	L5-30R		2 pole, 3 wire, single.	**IG2610**
30A 250V	L6-30R		2 pole, 3 wire, single.	**IG2620**
20A 125/250V	L14-20R		3 pole, 4 wire, single.	**IG2410**
20A 3Ø 250V AC	L15-20R		3 pole, 4 wire, single.	**IG2420**
30A 125/250V	L14-30R		3 pole, 4 wire, single.	**IG2710**
30A 3Ø 250V AC	L15-30R		3 pole, 4 wire, single.	**IG2720**
20A 3Ø Y 120/208V AC	L21-20R		4 pole, 5 wire, single.	**IG2510**
30A 3ØY 120/208V AC	L21-30R		4 pole, 5 wire, single.	**IG2810**

Note: All receptacles are orange.

IG4700A

IG4710

IG2310

SpikeShield® Power Quality Products

Isolated Ground Devices Specifications

IG5262

Receptacle	Part	Description
Typical Specification – Catalog Number IG5262.	Receptacle	15A
Manufacturer's Identification – Hubbell IG5262.	Top	Nylon
Description – Isolated Ground, Straight Blade, Duplex Receptacle.	Base	PET*
Type – 2 Pole, 3 Wire, Grounding.	Triple Wipe Power Contacts	0.31" (8) Phosphor Bronze
Rating – 15A, 125V.	Wire Clamp	0.062" (1.6) Steel Nickel Plated
Certification – UL Listed, CSA Certified.	Mounting Strap	0.050" (1.3) Brass
	Insulator	Nylon
	Terminal Screws	Brass #8-32
	Grounding Screw	Brass (Green)
	Center Assembly-Rivet	Brass
	Auto Grd. Clip	Stainless Steel
	Flat. Hd. Mtg. Screws	Steel Zinc Plated

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum
Max. Working Voltage	125V or as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA C22.2 No. 42 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG standard or solid copper conductor only.
Product Identification	Ratings are permanent part of device.

Environmental – Material

Flammability	Top: UL 94V-2, Base: UL 94V-0 and UL 94-5 VA.
Operating Temperatures	Maximum continuous 75°C; minimum -40° C/F (w/o impact) maximum (167°F, 75°C).

*Note: *Polyethylene Terephthalate Polyester.*

Section K
Wallplates

Index

Features and Benefits

Nylon Wallplates

Metal Wallplates

Weather Resistant Covers

Wallplates
Features and Benefits

Hubbell offers a wide variety of configurations, sizes, and finishes in both metal and nylon wallplates for use in industrial, institutional, commercial, and residential applications. We offer finishes in nylon, aluminum, brass, brass plated, chrome, and stainless steel.

We have totally redesigned and expanded our line of nylon wallplates featuring larger standard sized wallplates to give extra coverage to hide rough box opening, improved aesthetics, greater strength, impact resistance, along with excellent cleanability in all different types of environments.

Nylon
• Standard size is ⅛ inch larger to give you extra coverage to hide rough box openings. Also available in mid-size and pre-marked.
• Curved corners for improved aesthetics, for use in any application.
• Reinforcement ribs for extra strength.
• Captive screw feature holds mounting screw in place for quick and easy installation.
• High-impact, self-extinguishing nylon material, which is virtually unbreakable.
• Smooth, easy to clean finish is highly resistant to solvents and cleaning solutions, providing long life in the harshest environments.
• Non-conductive material.

Smooth Metal 302/304 Super Stainless Steel
(18.0% Chromium, 8.0% Nickel)
• Non-magnetic for static-free requirements.
• Corrosion resistant for use in Commercial, Institutional, Hospital and Industrial applications.
• Satin finish hides fingerprint marks.
• Each plate is shipped with a special protective film to protect plates during installation.
• Available in pre-marked and jumbo sizes.
• Matching stainless steel screws included.

Smooth Solid Brass
• Provides a plush appearance and durability of metal.
• Finish is coated to inhibit oxidation.

Anodized Aluminum
• Non-magnetic and corrosion resistance for a wide range of applications.
• Finish is coated to inhibit oxidation.

Metallic Plated Steel
• Available in either chrome or brass finishes.

Custom Metal Wallplates
Hubbell offers 40 custom configurations from 2-gang to 8-gang, in five different metal finishes. These custom openings can be configured in any combination to meet your specific requirements.

Wallplates
Features and Benefits

Nylon wallplates are designed for durability and easy cleaning. Hubbell's standard sized wallplates are ⅛ inch larger to give you that extra coverage to hide rough box openings. The depth is ¼ inch so that it will comfortably fit over the device even on imperfect installations or on retrofit work.

Nylon Wallplates

Almond	Black	Brown	Gray	Ivory	Light Almond	Office White	White

Nylon Pre-Marked Wallplates

Blue	Ivory	Orange	Red

Metal Wallplates   Pre-Marked

Aluminum	Brass	Brass Plated	Chrome	Stainless Steel	Stainless Steel

Nylon Wallplate Dimensions

Standard Size Nylon — 4.63" (117.6), 2.88" (73.2), 0.25" (6.4), Captive Screws

Mid-Size Nylon — 4.88" (124.0), 3.13" (79.5), 0.25" (6.4), Captive Screws

Reinforcement ribs provide extra strength.

0.25" (6.4) A longer ⅜" screw makes for an easier installation.

Wallplates
Toggle Switch Wallplates

Toggle Switch Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Toggle	Almond	NP1AL	NPJ1AL	Aluminum	SA1
	Black	NP1BK	NPJ1BK	Brass	SB1
	Brown	NP1	NPJ1	Brass Plated	SBP1
	Gray	NP1GY	NPJ1GY	Chrome	SCH1
	Ivory	NP1I	NPJ1I	Stainless Steel	SS1
	Light Almond	NP1LA	NPJ1LA	S/S Beveled	97071
	Office White	NP1OW	NPJ1OW	Steel, Almond*	SP1AL
	Red	NP1R	NPJ1R	Steel, Gray*	SP1G
	White	NP1W	NPJ1W		
2-Gang, 2-Toggle	Almond	NP2AL	NPJ2AL	Aluminum	SA2
	Black	NP2BK	NPJ2BK	Brass	SB2
	Brown	NP2	NPJ2	Brass Plated	SBP2
	Gray	NP2GY	NPJ2GY	Chrome	SCH2
	Ivory	NP2I	NPJ2I	Stainless Steel	SS2
	Light Almond	NP2LA	NPJ2LA	Steel, Almond*	SP2AL
	Office White	NP2OW	NPJ2OW	Steel, Gray*	SP2G
	Red	NP2R	NPJ2R		
	White	NP2W	NPJ2W		
3-Gang, 3-Toggle	Almond	NP3AL	NPJ3AL	Aluminum	①
	Black	NP3BK	NPJ3BK	Brass	SB3
	Brown	NP3	NPJ3	Brass Plated	SBP3
	Gray	NP3GY	NPJ3GY	Chrome	SCH3
	Ivory	NP3I	NPJ3I	Stainless Steel	SS3
	Light Almond	NP3LA	NPJ3LA	Steel, Almond*	SP3AL
	Office White	NP3OW	NPJ3OW		
	Red	–	NPJ3R		
	White	NP3W	NPJ3W		
4-Gang, 4-Toggle	Almond	NP4AL	NPJ4AL	Aluminum	①
	Black	NP4BK	NPJ4BK	Brass	SB4
	Brown	NP4	NPJ4	Brass Plated	SBP4
	Gray	NP4GY	NPJ4GY	Chrome	①
	Ivory	NP4I	NPJ4I	Stainless Steel	SS4
	Light Almond	NP4LA	NPJ4LA	Steel, Almond*	SP4AL
	Office White	NP4OW	NPJ4OW		
	White	NP4W	NPJ4W		
5-Gang, 5-Toggle	Almond	NP5AL	–	Aluminum	①
	Black	NP5BK	–	Brass	SB5
	Brown	NP5	–	Brass Plated	①
	Gray	NP5GY	–	Chrome	①
	Ivory	NP5I	–	Stainless Steel	SS5
	Light Almond	NP5LA	–	Steel, Almond*	SP5AL
	White	NP5W	–		
6-Gang, 6-Toggle	Almond	NP6AL	–	Aluminum	①
	Brown	NP6	–	Brass	SB6
	Gray	NP6GY	–	Brass Plated	①
	Ivory	NP6I	–	Chrome	①
	Light Almond	NP6LA	–	Stainless Steel	SS6
	White	NP6W	–	Steel, Almond*	SP6AL
7-Gang, 7-Toggle	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Gray	–	–	Brass Plated	①
	Ivory	–	–	Chrome	①
	White	–	–	Stainless Steel	SS607
8-Gang, 8-Toggle	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Gray	–	–	Brass Plated	①
	Ivory	–	–	Chrome	①
	White	–	–	Stainless Steel	SS608
2-Gang, 1-Toggle	Almond	–	–	Aluminum	–
	Brown	–	–	Brass	–
	Gray	–	–	Brass Plated	–
	Ivory	–	–	Chrome	–
	White	–	–	Stainless Steel	SS740

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①*Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.*
* Powder coat paint finish.

Wallplates
Duplex and Single Receptacle Wallplates

UL CSA®

Duplex Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Duplex	Almond	NP8AL	NPJ8AL	Aluminum	SA8
	Black	NP8BK	NPJ8BK	Brass	SB8
	Brown	NP8	NPJ8	Brass Plated	SBP8
	Gray	NP8GY	NPJ8GY	Chrome	SCH8
	Ivory	NP8I	NPJ8I	Stainless Steel	SS8
	Light Almond	NP8LA	NPJ8LA	S/S Beveled	97101
	Office White	NP8OW	NPJ8OW	Steel, Almond*	SP8AL
	Orange	NP8OR	–	Steel, Gray*	SP8G
	Red	NP8R	NPJ8R		
	White	NP8W	NPJ8W		
2-Gang, 2-Duplex	Almond	NP82AL	NPJ82AL	Aluminum	SA82
	Black	NP82BK	NPJ82BK	Brass	SB82
	Brown	NP82	NPJ82	Brass Plated	SBP82
	Gray	NP82GY	NPJ82GY	Chrome	SCH82
	Ivory	NP82I	NPJ82I	Stainless Steel	SS82
	Light Almond	NP82LA	NPJ82LA	Steel, Almond*	SP82AL
	Office White	NP82OW	NPJ82OW	Steel, Gray*	SP82G
	Orange	NP82OR	–		
	Red	NP82R	NPJ82R		
	White	NP82W	NPJ82W		
3-Gang, 3-Duplex	Almond	NP83AL	–	Aluminum	①
	Black	NP83BK	–	Brass	①
	Brown	NP83	–	Brass Plated	①
	Gray	NP83GY	–	Chrome	①
	Ivory	NP83I	–	Stainless Steel	SS83
	White	NP83W	–	Steel, Almond*	SP83AL
4-Gang, 4-Duplex	Almond	NP84AL	–	Aluminum	①
	Black	NP84BK	–	Brass	①
	Brown	NP84	–	Brass Plated	①
	Gray	NP84GY	–	Chrome	①
	Ivory	NP84I	–	Stainless Steel	SS84
	White	NP84W	–		
2-Gang, 1-Duplex	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	Stainless Steel	SS748

Single 15/20A Straight Blade or 15A Twist-Lock® Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Single 1.40 in. (35.6) Dia. Hole	Almond	NP7AL	NPJ7AL	Aluminum	SA7
	Black	NP7BK	NPJ7BK	Brass	SB7
	Brown	NP7	NPJ7	Brass Plated	SBP7
	Gray	NP7GY	NPJ7GY	Chrome	SCH7
	Ivory	NP7I	NPJ7I	Stainless Steel	SS7
	Light Almond	NP7LA	NPJ7LA	Steel, Almond*	SP7AL
	Office White	NP7OW	NPJ7OW	Steel, Gray*	SP7G
	Red	NP7R	NPJ7R		
	White	NP7W	NPJ7W		
2-Gang, 1-Single 1.40 in. (35.6) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	Stainless Steel	SS747
2-Gang, 2-Single 1.40 in. (35.6) Dia. Hole	–	–	–	Aluminum	①
	–	–	–	Brass	①
	–	–	–	Brass Plated	①
	–	–	–	Chrome	①
	–	–	–	Stainless Steel	SS72

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.
* Powder coat paint finish.

Wallplates
Single Receptacle Wallplates

Single 20/30A Twist-Lock® Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Single 1.60 in. (40.6) Dia. Hole	Almond	NP720AL	–	Aluminum	SA720
	Black	NP720BK	–	Brass	SB720
	Brown	NP720	–	Brass Plated	①
	Gray	NP720GY	–	Chrome	①
	Ivory	NP720I	–	Stainless Steel	SS720
	Office White	NP720OW	–		
	Red	NP720R	–		
	White	NP720W	–		
1-Gang, 1-Single 1.70 in. (43.2) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	Stainless Steel	SS725
2-Gang, 1-Single 1.60 in. (40.6) Dia.Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	Stainless Steel	SS749
3-Gang, 2-Single 1.60 in. (40.6) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	Stainless Steel	SS320
3-Gang, 2-Single 1.70 in. (43.2) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	Stainless Steel	SS330

Single Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Single 2.15 in. (54.6) Dia. Hole	Almond	NP724AL	NPJ724AL	Aluminum	SA723
	Black	NP724BK	NPJ724BK	Brass	①
	Brown	NP724	NPJ724	Brass Plated	①
	Gray	NP724GY	NPJ724GY	Chrome	SCH723
	Ivory	NP724I	NPJ724I	Stainless Steel	SS723
	White	NP724W	NPJ724W		
2-Gang, 1-Single 2.15 in. (54.6) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	SCH702
	–	–	–	Stainless Steel	SS702
	–	–	–		
2-Gang, 1-Single 2.15 in. (54.6) Dia. Hole	Almond	NP703AL	NPJ703AL	Aluminum	–
	Black	NP703BK	NPJ703BK	Brass	–
	Brown	NP703	NPJ703	Brass Plated	–
	Gray	NP703GY	NPJ703GY	Chrome	–
	Ivory	NP703I	NPJ703I	Stainless Steel	SS703
	White	NP703W	NPJ703W		
2-Gang, 1-Single 2.48 in. (63.0) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	Stainless Steel	SS701
	–	–	–		
2-Gang, 1-Single 2.66 in. (67.6) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	Stainless Steel	SS716
	–	–	–		

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.

Wallplates
Blank Wallplates

Blank Wallplates, Box Mount and Strap Mount

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Blank, Box Mount	Almond	NP13AL	NPJ13AL	Aluminum	SA13A
	Black	NP13BK	NPJ13BK	Brass	SB13
	Brown	NP13	NPJ13	Brass Plated	SBP13
	Gray	NP13GY	NPJ13GY	Chrome	SCH13
	Ivory	NP13I	NPJ13I	Stainless Steel	SS13
	Light Almond	NP13LA	NPJ13LA	Steel, Almond*	SP14BAL
	Office White	NP13OW	NPJ13OW	Steel, Gray*	SP14BG
	White	NP13W	NPJ13W		
2-Gang, 2-Blank, Box Mount	Almond	NP23AL	NPJ23AL	Aluminum	SA23
	Black	NP23BK	–	Brass	SB23
	Brown	NP23	NPJ23	Brass Plated	①
	Gray	NP23GY	–	Chrome	SCH23
	Ivory	NP23I	NPJ23I	Stainless Steel	SS23
	Light Almond	NP23LA	NPJ23LA	Steel, Almond*	SP24BAL
	Office White	NP23OW	NPJ23OW	Steel, Gray*	SP24BG
	White	NP23W	NPJ23W		
3-Gang, 3-Blank, Box Mount	Almond	NP33AL	–	Aluminum	①
	Brown	NP33	–	Brass	①
	Ivory	NP33I	–	Brass Plated	①
	White	NP33W	–	Chrome	①
				Stainless Steel	SS33
				Steel, Almond*	SP34BAL
4-Gang, 4-Blank, Box Mount	Almond	NP43AL	–	Aluminum	①
	Brown	NP43	–	Brass	①
	Ivory	NP43I	–	Brass Plated	①
	White	NP43W	–	Chrome	①
				Stainless Steel	SS43
1-Gang, 1-Blank, Strap Mount	Almond	NP14AL	–	Aluminum	①
	Black	NP14BK	–	Brass	SB14
	Brown	NP14	–	Brass Plated	①
	Gray	NP14GY	–	Chrome	①
	Ivory	NP14I	–	Stainless Steel	SS14
	Office White	NP14OW	–	Steel, Almond*	SP14AL
	Red	NP14R		Steel, Gray*	SP14G
	White	NP14W			
2-Gang, 2-Blank, Strap Mount	Almond	NP24AL	–	Aluminum	①
	Black	NP24BK	–	Brass	①
	Brown	NP24	–	Brass Plated	①
	Gray	NP24GY	–	Chrome	①
	Ivory	NP24I	–	Stainless Steel	SS24
	Office White	NP24OW	–	Steel, Almond*	SP24AL
	Red	NP24R		Steel, Gray*	SP24G
	White	NP24W			
3-Gang, 3-Blank, Strap Mount	Almond	NP34AL	–	Aluminum	①
	Brown	NP34	–	Brass	①
	Ivory	NP34I	–	Brass Plated	①
	White	NP34W	–	Chrome	①
				Stainless Steel	SS34
				Steel, Almond*	SP34AL
4-Gang, 4-Blank, Strap Mount	Almond	NP44AL	–	Aluminum	①
	Brown	NP44	–	Brass	①
	Ivory	NP44I	–	Brass Plated	①
	White	NP44W	–	Chrome	①
				Stainless Steel	SS44

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
　①*Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.*
　* *Powder coat paint finish.*

347 Volt Toggle Wallplates with 2.25" (57.2) Spacing Between Gangs, Stamped "347V"

Description	Color	Nylon Catalog Numbers	Material	Metal Catalog Numbers
1-Gang, 1-Toggle 2.25 in. (57.2) Spacing	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – SS1C
2-Gang, 2-Toggle 2.25 in. (57.2) Spacing	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – SS2C
3-Gang, 3-Toggle 2.25 in. (57.2) Spacing	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – SS3C
4-Gang, 4-Toggle 2.25 in. (57.2) Spacing	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – SS4C
5-Gang, 5-Toggle 2.25 in. (57.2) Spacing	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – SS5C
6-Gang, 6-Toggle 2.25 in. (57.2) Spacing	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – SS6C

347 Volt Decorator Wallplates

Description	Color	Nylon Catalog Numbers	Material	Metal Catalog Numbers
1-Gang, 1-Decorator	Black Gray Ivory White	HPS1347BK HPS1347GY HPS1347I HPS1347W	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – –
2-Gang, 2-Decorator	Black Gray Ivory White	HPS2347BK HPS2347GY HPS2347I HPS2347W	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – –
3-Gang, 3-Decorator	Ivory White	HPS3347I HPS3347W	Aluminum Brass Brass Plated Chrome Stainless Steel	– – – – –

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.

Wallplates

347 Volt Wallplates

Wallplates
Decorator Wallplates

GFCI, Surge Receptacles and Style Line® Device Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Decorator	Almond	NP26AL	NPJ26AL	Aluminum	①
	Black	NP26BK	NPJ26BK	Brass	SB26
	Blue	–	NPJ26BL	Brass Plated	SBP26
	Brown	NP26	NPJ26	Chrome	SCH26
	Gray	NP26GY	NPJ26GY	Stainless Steel	SS26
	Ivory	NP26I	NPJ26I	Steel, Almond*	PHPS1AL
	Light Almond	NP26LA	NPJ26LA	Steel, Gray*	PHPS1G
	Office White	NP26OW	NPJ26OW		
	Red	NP26R	NPJ26R		
	White	NP26W	NPJ26W		
2-Gang, 2-Decorator	Almond	NP262AL	NPJ262AL	Aluminum	①
	Black	NP262BK	NPJ262BK	Brass	SB262
	Brown	NP262	NPJ262	Brass Plated	SBP262
	Gray	NP262GY	NPJ262GY	Chrome	SCH262
	Ivory	NP262I	NPJ262I	Stainless Steel	SS262
	Light Almond	NP262LA	NPJ262LA	Steel, Almond*	PHPS2AL
	Office White	NP262OW	NPJ262OW	Steel, Gray*	PHPS2G
	Red	NP262R	NPJ262R		
	White	NP262W	NPJ262W		
3-Gang, 3-Decorator	Almond	NP263AL	NPJ263AL	Aluminum	①
	Black	NP263BK	NPJ263BK	Brass	①
	Brown	NP263	NPJ263	Brass Plated	SBP263
	Gray	NP263GY	NPJ263GY	Chrome	①
	Ivory	NP263I	NPJ263I	Stainless Steel	SS263
	Light Almond	NP263LA	NPJ263LA	Steel, Almond*	PHPS3AL
	Office White	NP263OW	NPJ263OW		
	Red	NP263R	NPJ263R		
	White	NP263W	NPJ263W		
4-Gang, 4-Decorator	Almond	NP264AL	NPJ264AL	Aluminum	①
	Black	NP264BK	NPJ264BK	Brass	①
	Brown	NP264	NPJ264	Brass Plated	①
	Gray	NP264GY	NPJ264GY	Chrome	①
	Ivory	NP264I	NPJ264I	Stainless Steel	SS264
	Light Almond	NP264LA	NPJ264LA	Steel, Almond*	PHPS4AL
	Office White	NP264OW	NPJ264OW		
	White	NP264W	NPJ264W		
5-Gang, 5-Decorator	Almond	NP265AL	–	Aluminum	①
	Black	NP265BK	–	Brass	①
	Brown	NP265	–	Brass Plated	①
	Gray	NP265GY	–	Chrome	①
	Ivory	NP265I	–	Stainless Steel	SS265
	Light Almond	NP265LA	–	Steel, Almond*	PHPS5AL
	White	NP265W	–		
6-Gang, 6-Decorator	Almond	NP266AL	–	Aluminum	①
	Black	NP266BK	–	Brass	①
	Brown	NP266	–	Brass Plated	①
	Gray	NP266GY	–	Chrome	①
	Ivory	NP266I	–	Stainless Steel	SS266
	Light Almond	NP266LA	–	Steel, Almond*	PHPS6AL
	White	NP266W	–		

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
  ①Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.
  * Powder coat paint finish.

Wallplates
Combination Wallplates, 2-Gang

Combination Wallplates, 2-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
2-Gang, 1-Toggle, 1-Duplex	Almond	NP18AL	NPJ18AL	Aluminum	①
	Black	NP18BK	NPJ18BK	Brass	①
	Brown	NP18	NPJ18	Brass Plated	SBP18
	Gray	NP18GY	NPJ18GY	Chrome	SCH18
	Ivory	NP18I	NPJ18I	Stainless Steel	SS18
	Light Almond	NP18LA	NPJ18LA	Steel, Almond*	SP18AL
	Office White	NP18OW	NPJ18OW	Steel, Gray*	SP18G
	Red	NP18R	NPJ18R		
	White	NP18W	NPJ18W		
2-Gang, 1-Duplex, 1-Decorator	Almond	NP826AL	NPJ826AL	Aluminum	①
	Black	NP826BK	NPJ826BK	Brass	SB826
	Brown	NP826	NPJ826	Brass Plated	①
	Gray	NP826GY	NPJ826GY	Chrome	①
	Ivory	NP826I	NPJ826I	Stainless Steel	SS826
	Light Almond	NP826LA	NPJ826LA		
	Office White	NP826OW	NPJ826OW		
	White	NP826W	NPJ826W		
2-Gang, 1-Toggle, 1-Decorator	Almond	NP126AL	NPJ126AL	Aluminum	①
	Black	NP126BK	NPJ126BK	Brass	SB126
	Brown	NP126	NPJ126	Brass Plated	①
	Gray	NP126GY	NPJ126GY	Chrome	①
	Ivory	NP126I	NPJ126I	Stainless Steel	SS126
	Light Almond	NP126LA	NPJ126LA	Steel, Almond*	PJS126AL
	White	NP126W	NPJ126W	Steel, Gray*	PJS126G
2-Gang, 1-Duplex, 1-Telephone .406 in. (10.3) Hole Strap Mount	Almond	NP128AL	–	Aluminum	–
	Black	NP128BK	–	Brass	–
	Brown	NP128	–	Brass Plated	–
	Gray	NP128GY	–	Chrome	–
	Ivory	NP128I	–	Stainless Steel	–
	White	NP128W	–		
2-Gang, 1-Toggle, 1-Telephone .406 in. (10.3) Hole Strap Mount	Almond	NP112AL	–	Aluminum	–
	Black	NP112BK	–	Brass	–
	Brown	NP112	–	Brass Plated	–
	Gray	NP112GY	–	Chrome	–
	Ivory	NP112I	–	Stainless Steel	–
	Office White	NP112OW	–		
	White	NP112W	–		
2-Gang, 1-Decorator, 1-Telephone .406 in. (10.3) Hole Strap Mount	Almond	NP1226AL	–	Aluminum	–
	Black	NP1226BK	–	Brass	–
	Brown	NP1226	–	Brass Plated	–
	Gray	NP1226GY	–	Chrome	–
	Ivory	NP1226I	–	Stainless Steel	–
	White	NP1226W	–		
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole, 1-Duplex	Almond	NP78AL	–	Aluminum	①
	Brown	NP78	–	Brass	①
	Gray	NP78GY	–	Brass Plated	①
	Ivory	NP78I	–	Chrome	①
	White	NP78W	–	Stainless Steel	SS78
2-Gang, 1-Single Recept. 1.60 in. (40.6) Hole, 1-Duplex	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				Stainless Steel	SS8720

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.
* Powder coat paint finish.

Wallplates
Combination Wallplates, 2-Gang

Combination Wallplates, 2-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
2-Gang, 1-Toggle, 1-Single Receptacle 1.40 in. (35.6) Hole	Almond	NP17AL	–	Aluminum	①
	Black	NP17BK	–	Brass	①
	Brown	NP17	–	Brass Plated	①
	Gray	NP17GY	–	Chrome	①
	Ivory	NP17I	–	Stainless Steel	SS17
	White	NP17W	–		
2-Gang, 1-Toggle, 1-Blank, Box Mount	Almond	NP113AL	NPJ113AL	Aluminum	①
	Black	NP113BK	–	Brass	①
	Brown	NP113	NPJ113	Brass Plated	①
	Gray	NP113GY	–	Chrome	①
	Ivory	NP113I	NPJ113I	Stainless Steel	SS113
	Light Almond	NP113LA	–		
	White	NP113W	–		
2-Gang, 1-Toggle, 1-Blank, Strap Mount	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	Light Almond	–	–	Chrome	①
	White	–	–	Stainless Steel	SS114
2-Gang, 1-Blank, 1-Duplex, Box Mount	Almond	NP138AL	NPJ138AL	Aluminum	①
	Black	NP138BK	–	Brass	①
	Brown	NP138	NPJ138	Brass Plated	①
	Gray	NP138GY	–	Chrome	①
	Ivory	NP138I	NPJ138I	Stainless Steel	SS138
	Light Almond	NP138LA	–		
	White	NP138W	NPJ138W		
2-Gang, 1-Blank, 1-Duplex, Strap Mount	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				Stainless Steel	SS148
2-Gang, 1-Blank, 1-Decorator, Box Mount	Almond	NP1326AL	NPJ1326AL	Aluminum	①
	Black	NP1326BK	NPJ1326BK	Brass	①
	Brown	NP1326	NPJ1326	Brass Plated	①
	Gray	NP1326GY	NPJ1326GY	Chrome	①
	Ivory	NP1326I	NPJ1326I	Stainless Steel, Strap Mount	SS1426
	Light Almond	NP1326LA	NPJ1326LA		
	White	NP1326W	NPJ1326W		
2-Gang, 1-Telephone, .406 in. (10.3) Hole, 1-Blank, Strap Mount	Almond	NP1214AL	–	Aluminum	–
	Black	NP1214BK	–	Brass	–
	Brown	NP1214	–	Brass Plated	–
	Gray	NP1214GY	–	Chrome	–
	Ivory	NP1214I	–	Stainless Steel	–
	White	NP1214W	–		
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole 1-Blank, Strap Mount	Almond	NP147AL	–	Aluminum	–
	Black	NP147BK	–	Brass	–
	Brown	NP147	–	Brass Plated	–
	Gray	NP147GY	–	Chrome	–
	Ivory	NP147I	–	Stainless Steel	–
	White	NP147W	–		

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.

Wallplates
Combination Wallplates, 3-Gang

UL CSA

Combination Wallplates, 3-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
3-Gang, 2-Toggle, 1-Duplex	Almond	NP28AL	NPJ28AL	Aluminum	①
	Black	NP28BK	–	Brass	①
	Brown	NP28	NPJ28	Brass Plated	SBP28
	Gray	NP28GY	–	Chrome	①
	Ivory	NP28I	NPJ28I	Stainless Steel	SS28
	Light Almond	NP28LA	NPJ28LA	Steel, Almond*	SP28AL
	Office White	NP28OW	–	Steel, Gray*	SP28G
	White	NP28W	NPJ28W		
3-Gang, 1-Toggle, 2-Duplex	Almond	NP182AL	–	Aluminum	①
	Black	NP182BK	–	Brass	①
	Brown	NP182	–	Brass Plated	①
	Gray	NP182GY	–	Chrome	①
	Ivory	NP182I	–	Stainless Steel	SS182
	White	NP182W	–		
3-Gang, 2-Toggle, 1-Decorator	Almond	NP226AL	NPJ226AL	Aluminum	①
	Black	NP226BK	NPJ226BK	Brass	①
	Brown	NP226	NPJ226	Brass Plated	①
	Gray	NP226GY	NPJ226GY	Chrome	①
	Ivory	NP226I	NPJ226I	Stainless Steel	SS226
	Light Almond	NP226LA	NPJ226LA	Steel, Gray*	PJS226G
	White	NP226W	NPJ226W		
3-Gang, 1-Toggle, 2-Decorator	Almond	NP1262AL	–	Aluminum	①
	Black	NP1262BK	–	Brass	①
	Brown	NP1262	–	Brass Plated	①
	Gray	NP1262GY	–	Chrome	①
	Ivory	NP1262I	–	Stainless Steel	①
	Light Almond	NP1262LA	–		
	White	NP1262W			
3-Gang, 2-Duplex, 1-Blank	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				Stainless Steel	SS211
3-Gang, 1-Duplex, 1-Blank, 1-Duplex	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				Stainless Steel	SS8147
3-Gang, 2-Toggle, 1-Blank	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				Stainless Steel	SS213

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
    ①Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.
    * Powder coat paint finish.

Wallplates
Combination Wallplates, 4- and 5-Gang

Combination Plates, 4- and 5-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
4-Gang, 3-Toggle, 1-Duplex	Almond	NP38AL	–	Aluminum	①
	Black	NP38BK	–	Brass	①
	Brown	NP38	–	Brass Plated	①
	Gray	NP38GY	–	Chrome	①
	Ivory	NP38I	–	Stainless Steel	SS38
	Light Almond	NP38LA	–		
	White	NP38W	–		
4-Gang, 2-Toggle, 2-Duplex	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	Light Almond	–	–	Chrome	①
	White	–	–	Stainless Steel	①
4-Gang, 1-Toggle, 3-Duplex	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	Light Almond	–	–	Chrome	①
	White	–	–	Stainless Steel	①
4-Gang, 3-Toggle, 1-Decorator	Almond	NP326AL	–	Aluminum	①
	Black	NP326BK	–	Brass	①
	Brown	NP326	–	Brass Plated	①
	Gray	NP326GY	–	Chrome	①
	Ivory	NP326I	–	Stainless Steel	SS326
	Light Almond	NP326LA	–		
	White	NP326W	–		
4-Gang, 2-Toggle, 2-Decorator	Almond	NP2262AL	–	Aluminum	①
	Black	NP2262BK	–	Brass	①
	Brown	NP2262	–	Brass Plated	①
	Gray	NP2262GY	–	Chrome	①
	Ivory	NP2262I	–	Stainless Steel	①
	Light Almond	NP2262LA	–		
	White	NP2262W	–		
4-Gang, 1-Toggle, 3-Decorator	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				Stainless Steel	①
5-Gang, 4-Toggle, 1-Duplex	Almond	NP48AL	–	Aluminum	①
	Brown	NP48	–	Brass	①
	Ivory	NP48I	–	Brass Plated	①
	White	NP48W	–	Chrome	①
				Stainless Steel	①
5-Gang, 4-Toggle, 1-Decorator	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				Stainless Steel	①

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.

Wallplates
Toggle Snap-On Wallplates

Snap-On Subplate   Snap-On Cover Plate

4.63"
(117.6)

4.63"
(117.6)   Snaps

2.88"
(73.2)   2.88"
(73.2)

0.13"
(3.3)   0.13"
(3.3)

Toggle Snap-On Wallplates

Description	Color	Catalog Numbers
Snap-On Wallplate, 1-Gang, 1-Toggle Style	Ivory White	**RFW1I** **RFW1W**
Snap-On Wallplate, 2-Gang, 2-Toggle Style	Ivory White	**RFW2I** **RFW2W**
Snap-On Wallplate, 3-Gang, 3-Toggle Style	Ivory White	**RFW3I** **RFW3W**

Wallplates
Decorator Snap-On Wallplates

UL CSA

Decorator Snap-On Wallplates

Description	Color	Catalog Numbers
Snap-On Wallplate, 1-Gang, 1-Decorator	Almond	**RCW1AL**
	Ivory	**RCW1I**
	Light Almond	**RCW1LA**
	White	**RCW1W**
Snap-On Wallplate, 2-Gang, 2-Decorator	Almond	**RCW2AL**
	Ivory	**RCW2I**
	Light Almond	**RCW2LA**
	White	**RCW2W**
Snap-On Wallplate, 3-Gang, 3-Decorator	Almond	**RCW3AL**
	Ivory	**RCW3I**
	Light Almond	**RCW3LA**
	White	**RCW3W**
Snap-On Wallplate, 4-Gang, 4-Decorator	Almond	**RCW4AL**
	Ivory	**RCW4I**
	Light Almond	**RCW4LA**
	White	**RCW4W**
Snap-On Wallplate, 5-Gang, 5-Decorator	Almond	**RCW5AL**
	Ivory	**RCW5I**
	Light Almond	**RCW5LA**
	White	**RCW5W**
Snap-On Wallplate, 6-Gang, 6-Decorator	Almond	**RCW6AL**
	Ivory	**RCW6I**
	Light Almond	**RCW6LA**
	White	**RCW6W**

Wallplates
Telephone and Coaxial Outlet Plates

Telephone and Coaxial Outlet Plates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Tel .406 in. (10.3) Hole, Box Mount	Almond	NP11AL	NPJ11AL	Aluminum	①
	Black	NP11BK	–	Brass	①
	Brown	NP11	NPJ11	Brass Plated	①
	Gray	NP11GY	–	Chrome	①
	Ivory	NP11I	NPJ11I	Stainless Steel	SS11*
	Light Almond	NP11LA	NPJ11LA		
	Red	NP11R	–		
	White	NP11W	NPJ11W		
1-Gang, 1-Tel .406 in. (10.3) Hole, Strap Mount	Almond	NP12AL	–	Aluminum	①
	Black	NP12BK	–	Brass	①
	Brown	NP12	–	Brass Plated	①
	Gray	NP12GY	–	Chrome	SCH12*
	Ivory	NP12I	–	Stainless Steel	SS12*
	White	NP12W	–		
1-Gang, 1-Tel .625 in. (15.9) Hole, Box Mount	Almond	NP737AL	–	Aluminum	–
	Brown	NP737	–	Brass	–
	Ivory	NP737I	–	Brass Plated	–
	White	NP737W	–	Chrome	–
				Stainless Steel	–
1-Gang, 1-Tel .625 in. (15.9) Hole, Strap Mount	Almond	NP730AL	–	Aluminum	–
	Black	NP730BK	–	Brass	–
	Brown	NP730	–	Brass Plated	–
	Gray	NP730GY	–	Chrome	–
	Ivory	NP730I	–	Stainless Steel	–
	White	NP730W	–		
1-Gang, 1-Tel .38 in. (9.7) Hole, Box Mount or Strap Mount	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				Stainless Steel	SS739
				Stainless Steel, Strap Mount	SS738
2-Gang, 2-Tel .406 in. (10.3) Hole, Box Mount	Almond	NP21AL	–	Aluminum	①
	Black	NP21BK	–	Brass	①
	Brown	NP21	–	Brass Plated	①
	Gray	NP21GY	–	Chrome	①
	Ivory	NP21I	–	Stainless Steel, Strap Mount	SS22*
	White	NP21W	–		
2-Gang, 1-Tel .64 in. (16.3) Hole, Box Mount	Almond	–	–	Aluminum	–
	Brown	–	–	Brass	–
	Ivory	–	–	Brass Plated	–
	White	–	–	Chrome	–
				Stainless Steel	SS741*

Notes: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
　①*Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.*
　* *.50" (12.7) I.D. nylon bushing provided.*

Wallplates
Coaxial and Twinaxial "D" Outlet Plates

1-Gang Coaxial and Twinaxial "D" Outlet Plates, Box Mount

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1 "D" Hole, .51 in. (12.9) Dia., .44 in. (11.2) Flat.	–	–	–	Aluminum	①
	–	–	–	Brass	①
	–	–	–	Brass Plated	①
	–	–	–	Chrome	①
	–	–	–	Stainless Steel	**SSD1422**
2 "D" Hole, .51 in. (12.9) Dia., .44 in. (11.2) Flat.	–	–	–	Aluminum	①
	–	–	–	Brass	①
	–	–	–	Brass Plated	①
	–	–	–	Chrome	①
	–	–	–	Stainless Steel	**SSD1423**
1 "D" Hole, .58 in. (14.7) Dia., .55 in. (14.0) Flat.	–	–	–	Aluminum	①
	–	–	–	Brass	①
	–	–	–	Brass Plated	①
	–	–	–	Chrome	①
	–	–	–	Stainless Steel	**SSD1428**
1 "D" Hole, .76 in. (19.3) Dia., .73 in. (18.5) Flat.	–	–	–	Aluminum	①
	–	–	–	Brass	①
	–	–	–	Brass Plated	①
	–	–	–	Chrome	①
	–	–	–	Stainless Steel	**SSD1430**

Note: ①*Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.*

Wallplates
Miscellaneous Combinations, RS232, Data and Voice

Type RS232, 25 Pin Outlet Plates, Box Mount

Description	Color	Nylon Catalog Numbers	Material	Metal Catalog Numbers
1-Gang, One 25 Pin Opening.	–	–	Aluminum	①
	–	–	Brass	①
	–	–	Brass Plated	①
	–	–	Chrome	①
	–	–	Stainless Steel	SS232
1-Gang, Two 25 Pin Openings.	–	–	Aluminum	①
	–	–	Brass	①
	–	–	Brass Plated	①
	–	–	Chrome	①
	–	–	Stainless Steel	SS234

Data and Voice Modular Jack Outlet (RJ11 and RJ45 Type), Box Mount

Description	Color	Nylon Catalog Numbers	Material	Metal Catalog Numbers
1-Gang, One .59 in. x .76 in. (15.0 x 19.3) Opening.	–	–	Aluminum	①
	–	–	Brass	①
	–	–	Brass Plated	①
	–	–	Chrome	①
	–	–	Stainless Steel	SST1473
1-Gang, Two .59 in. x .76 in. (15.0 x 19.3) Opening.	–	–	Aluminum	①
	–	–	Brass	①
	–	–	Brass Plated	①
	–	–	Chrome	①
	–	–	Stainless Steel	SST1474
2-Gang, Four .59 in. x .76 in. (15.0 x 19.3) Opening.	–	–	Aluminum	①
	–	–	Brass	①
	–	–	Brass Plated	①
	–	–	Chrome	①
	–	–	Stainless Steel	SST2474
1-Gang, One .59 in. x .82 in. (15.0 x 20.8) Opening.	–	–	Aluminum	①
	–	–	Brass	①
	–	–	Brass Plated	①
	–	–	Chrome	①
	–	–	Stainless Steel	SST1476
1-Gang, Two .59 in. x .82 in. (15.0 x 20.8) Opening.	–	–	Aluminum	①
	–	–	Brass	①
	–	–	Brass Plated	①
	–	–	Chrome	①
	–	–	Stainless Steel	SST1477

1-Gang Louver Plate, Box Mount

Description	Color	Nylon Catalog Numbers	Material	Metal Catalog Numbers
1-Gang, Vertical Mounted Louver.	–	–	Aluminum	①
	–	–	Brass	SB771
	–	–	Brass Plated	SBP771
	–	–	Chrome	①
	–	–	Stainless Steel	SS771

Note: ①Available as a custom wallplate. See pages K-35 to K-40. Consult custom wallplates section for additional openings and combinations.

Wallplates
Jumbo, Metal Wallplates

Jumbo, Smooth, Stainless Steel Type 302/304 Wallplates

Configuration	Catalog Numbers	Configuration	Catalog Numbers
1-Gang, 1 Switch.	**SSJ1**	1-Gang, Single Receptacle for 2.09–2.13 in. (53.1–54.1) dia. face.	**SSJ723**
2-Gang, 2 Switches.	**SSJ2**	1-Gang Blank, Box Mount.	**SSJ13**
1-Gang, 1 Duplex Receptacle.	**SSJ8**	1-Gang, 1 Telephone Opening, .64 in. (16.3) Box Mount.	**SSJ11***
2-Gang, 2 Duplex Receptacles.	**SSJ82**	2-Gang, 1 Switch, 1 Duplex.	**SSJ18**
1-Gang, 1 Rectangular Device.	**SSJ26**	2-Gang, 1 Switch, 1 Rectangular Device.	**SSJ126**
2-Gang, 2 Rectangular Devices.	**SSJ262**	3-Gang, 2 Switches, 1 Rectangular.	**SSJ226**
1-Gang, 1 Single Receptacle for 1.36–1.39 in. (34.5–35.3) Dia. Face.	**SSJ7**		

SSJ723: 2.15" (54.6) I.D. Hole

SSJ7: 1.40" (35.6) I.D. Hole

*Notes: *.50 in. (12.7) I.D. nylon bushing provided.*
Specifications are subject to change without notice.

Oversize dimensions (refer to page K-34 for more details).
1-Gang, 5.25 in. x 3.50 in. (133.4 x 88.9).
2-Gang, 5.25 in. x 5.31 in. (133.4 x 134.9).
3-Gang, 5.25 in. x 7.12 in. (133.4 x 180.8).

3.50" (88.9)
5.25" (133.4)

Jumbo Wallplate

Wallplates
Pre-Marked "EMERGENCY" and Barrel Key Switch Wallplates

SS8MEV

SS82MEV

SS1ME

NPJ8RMEV

NPJ1RME

Stainless Steel, Type 302/304, Standard Size
Engraved Red Filled, Recessed Lettering
"EMERGENCY"

Description	Catalog Numbers
1-gang, 1 duplex, vertical mount.	**SS8MEV**
2-gang, 2 duplex.	**SS82MEV**
1-gang, 1 switch.	**SS1ME**

Red Nylon Mid-Size
White Lettering
"EMERGENCY"

Description	Catalog Numbers
1-gang, 1 duplex, vertical mount.	**NPJ8RMEV**
1-gang, 1 switch.	**NPJ1RME**

Notes: Mid-size plate dimensions shown on page K-34.
All lettering .25 in. (6.3) high.

SS12RKL

SS12RKLM

SS22RKL

SS22RKLM

Stainless Steel Barrel Key Switch Wallplates

Description	Catalog Numbers
1-gang, with on/off markings.	**SS12RKL**
1-gang, with position markings.	**SS12RKLM**
2-gang, with on/off markings.	**SS22RKL**
2-gang, with position markings.	**SS22RKLM**

Notes: See page C-4 for barrel key switch selection.
See page K-32 for security screws and driver.

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Wallplates
Pre-Marked "ISOLATED GROUND" or "COMPUTER ONLY" Wallplates

Orange Nylon Standard Size
Black Lettering
"ISOLATED GROUND"

Description	Catalog Numbers
1-gang, 1 duplex.	**NP8OIG**
1-gang, 1 duplex, no marking.	**NP8OR**
1-gang, rectangular opening.	**NP26OIG**
1-gang, 1.40 in. opening for face diameter 1.36–1.39 in. (34.5–35.3).	**NP7OIG**
1-gang, 1.60 in. opening for 20A and 30A Twist-Lock® with face diameter 1.55–1.58 in. (39.4–40.1).	**NP720OIG**

NP8OIG

NP26OIG

NP7OIG

NP720OIG

Nylon Mid-Size
Black Lettering
"COMPUTER ONLY"

Description	Catalog Numbers
Orange, 1-gang, 1 duplex.	**NPJ8CO**
Orange, 2-gang, 2 duplex.	**NPJ82CO**
Ivory, 1-gang, 1 duplex.	**NPJ8C**
Blue, 1-gang, rectangular opening.	**NPJ26CBL**
Ivory, 1-gang, rectangular opening.	**NPJ26C**

Note: Mid-size plate dimensions shown on page K-34.

NPJ8CO
NPJ8C

NPJ82CO

NPJ26CBL
NPJ26C

Wallplates
Security Wallplates

1-Gang, White

Description	Catalog Numbers
Toggle switch.	SWP1
Duplex receptacle.	SWP8
GFCI/Style Line® device.	SWP26
Telephone or TV opening (.64 inch).	SWP12
Single blank.	SWP13

SWP1   **SWP8**

2-Gang, White

Description	Catalog Numbers
Two toggle switches.	SWP2
Two duplex receptacles.	SWP82
One switch, one duplex receptacle.	SWP18
Two rectangular openings.	SWP262
One duplex receptacle, one telephone or TV.	SWP812
One duplex receptacle, one blank.	SWP813
Double blank.	SWP23

SWP82   **SWP18**

3-Gang, White

Description	Catalog Number
Two switches, one duplex receptacle.	SWP28

SWP28

Accessories

Description	Catalog Number
Tamperproof screwdriver for security wallplates.	SWPBIT*

*Note: * Not listed by Underwriter's Laboratories Inc.*

SWPBIT

Dimensions

	A	B	C	D	E	F	G	H
1-Gang (mm)	3.77" (95.8)	5.52" (140.2)	.55" (14.0)	3.37" (85.6)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	2.88" (73.2)
2-Gang (mm)	5.52" (140.2)	5.52" (140.2)	.55" (14.0)	5.13" (130.3)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	4.63" (117.6)
3-Gang (mm)	7.39" (187.71)	5.52" (140.21)	.55" (14.0)	7.00" (177.8)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	6.50" (165.1)

Specifications

Tamper resistant wallplate 1-gang duplex receptacle shall be of the following construction:

Cover plate: One piece #14 cold rolled zinc plated steel. Plate shall have a five stage baked white polyester powder enamel finish. Gloss: 85%; reflectance: 93%; hardness minimum: 2H and pass 600 hour salt spray test.

Back plate: #10 cold rolled galvanized steel. Plate assembly shall use four (4) #8-32 X ½ inch stainless steel T-15 TORX® head screws with center pin reject. Plate must be UL listed to UL 514D and comply with the NEC®.

NEC® is a registered trademark of the The National Electrical Code.
TORX® is a registered trademark of Textron Inc.

Wallplates
Accessories and Selection Charts

HBL96067
shown with receptacle
(sold separately)

HBL6187
shown with receptacle
and back box
(sold separately)

Brass Locking Cover Plate

Description	Catalog Number
Locking cover plate for single 15A & 20A straight blade receptacles and 15A Twist-Lock® receptacles. Straight cylinder type lock. All cylinder locks keyed alike.	HBL96067

Weather Shield Plate

Description	Catalog Number
20° angle plate for duplex receptacles.	HBL6187

Catalog Numbers of Receptacles in Groups A through E Above

Group A		Group B			Group C	Group D	Group E
Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)			Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	Boss diameter 2.28" to 2.44" (57.9 to 62.0)
HBL7310B	HBL5552B	HBL23CM10	HBL2530	HBL2770	HBL45105	HBL7962	HBL7301A
HBL7310BG	HBL5661	HBL2310	HBL26CM10	HBL2810	HBL45205	HBL9350	HBL8330A
HBL23000HG	HBL6810	HBL2320	HBL2610	HBL2820	HBL45305	HBL9308	HBL8350A
HBL23030	HBL7210B	HBL2330	HBL2620	HBL2830	HBL45905	HBL9330	HBL8430A
HBL4560	HBL7250	HBL2340	HBL2630	HBL3330		HBL9360•	HBL8450A
HBL4710	HBL7310B	HBL2410	HBL2640	HBL3330G		HBL9365•	HBL8460A
HBL4760	HBL7310BG	HBL2420	HBL2650	HBL3430		HBL9367•	HBL9430A
HBL5251	HBL7535	HBL2430	HBL2710	HBL3430G			HBL9450A
HBL52CM61	HBL7582	HBL2440	HBL2720	HBL3520			HBL9460A
HBL5261	HBL8310	HBL2450	HBL2730	HBL7410B			
HBL53CM61	HBL8410	HBL2460	HBL2740	HBL7410BG			
HBL5361	HBL8420	HBL2510	HBL2750				
HBL5461		HBL2520	HBL2760				

Wallplates for Single Receptacles

Description	Group A		Group B		Group C		Group D		Group E
	Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)		Boss diameter 1.68" to 1.72" (42.7 to 43.7)		Boss diameter 2.09" to 2.13" (53.1 to 54.1)		Boss diameter 2.28" to 2.44" (57.9 to 62.0)
	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	2-Gang
Smooth nylon, brown.	NP7*	–	NP720*	–	–	–	NP724*	NP703*	–
Cast aluminum.	HBL7320	–	HBL7320	–	HBL3394	–	HBL9419	–	–
Stainless steel, 302/304, smooth.	SS7**	–	SS720	–	SS725	–	SS723	SS703	SS701

Notes: See appropriate catalog page for complete description of plate.
  *Catalog number indicated is Brown, add with the following to designate color: "BK" for Black, "I" for Ivory.
  **Catalog number indicated is Stainless Steel, replace "SS" with the following prefix to designate material: "SA" for Anodized Aluminum, "SB" for Solid Brass.

Weatherproof Lift Covers for WDL "Closed" and WDL "Open", Wet Locations, 1-Gang

Description	Group A	Group B	Group C	Group D		
	Boss diameter 1.36" to 1.39" (34.5 to 35.3)	Boss diameter 1.55" to 1.58" (39.4 to 40.1)	Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	50A Twist-Lock® Receptacles	30A 4W Hubbellock® Receptacles
Thermoplastic, with cover "open", gray.	HBL7423WO	HBL7425WOA	HBL7424WO	–	HBL7774WO▲	–
Thermoplastic, with cover "open", yellow.	HBL74CM23WO	HBL74CM25WOA	HBL74CM24WO	–	HBL77CM74WO▲	–
Cast aluminum, with cover "closed".	–	HBL7420	HBL3393	HBL9420 HBL9425•	HBL7770	HBL20405 HBL20446†

Notes: • 50A 2P 3W.
  ▲The "CS" versions of 50A Twist-Lock® receptacles will only fit these thermoplastic plates.
  † Plate painted red for use with Cat. No. HBL20443 only. Cat. No. HBL20405 plate for use with Cat. No. HBL20403 only.

Wallplates
Weatherproof Covers for Receptacles
For FS/FD Box Mounting

IP44
SUITABILITY

HBL7777A

HBL7774WO

HBL9420

HBL20405

HBL7770

For Receptacles with Face Diameters of 2.28–2.44 in. (57.9–62.0)

Description	Catalog Numbers
Thermoplastic, 2-gang, WET LOCATIONS with cover "closed," gray.	**HBL7777A▲**
Thermoplastic, 2-gang, WET LOCATIONS with cover "closed," yellow.	**HBL77CM77A▲**
Thermoplastic, 2-gang, WET LOCATIONS with cover "closed," gray.	**HBL7777▽**

For Receptacles with Face Diameters of 2.09–2.13 in. (53.1–54.1)

Description	Catalog Numbers
Cast aluminum, WET LOCATIONS with cover "closed."	**HBL9420**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL9419**

For 50A Twist-Lock® Single Receptacles

Description	Catalog Numbers
Thermoplastic, WET LOCATIONS with cover "open," gray.	**HBL7774WO***
Thermoplastic, WET LOCATIONS with cover "open," yellow.	**HBL77CM74WO***
Cast aluminum, WET LOCATIONS with cover "closed."	**HBL7770**
Galvanized Steel, fits 4" square or 2-gang box.	**HBL50SC**

For 30A, 4 Wire Hubbellock® Receptacles

Description	Catalog Numbers
Cast aluminum, WET LOCATIONS with cover "closed."	**HBL20405**
Cast aluminum, WET LOCATIONS with cover "closed," red.	**HBL20446**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL20406**

Notes: ▲Will fit FS/FD boxes having plate mounting holes on 3.25 in. x 3.75 in. (82.6 x 95.3) centers.
▽Will only fit old style porcelain face devices.
** The "CS" versions of 50A Twist-Lock® will only fit these plates.*

Weatherproof Covers for Single Receptacles for Use on FS/FD Boxes

Note: All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

Accessories

Description	Catalog Numbers
Sub-plate for mounting and weatherproofing flanged inlets such as HBL5278, HBL7556, HBL4716, etc. when used with a HBL7420 or HBL7425WOA type weatherproof plate.	**7452***
Adapter plate for mounting HBL7423WO, HBL7424WO, HBL7425WOA or HBL7420 plates to standard boxes.	**HBL7349***

*Note: **Not listed by Underwriter's Laboratories Inc.*

2.84" (72.1)
.19" (4.8) DIA. 4 HOLES
4.56" (115.8)
3.25" (82.6)
1.88" (47.8)
3.31" (84.0)
Typical Plate, 1-Gang

8-Holes .16" (4.1) Dia.
2.00" (50.8)
3.28" (83.3)
1.56" (39.6)
2.13" (54.1)
3.63" (92.2)
7452

HBL7349

Weatherproof Plates for Receptacles

Wallplates
Weatherproof Covers for Receptacles and Switches
Vertical, for FS/FD box mounting

IP44
SUITABILITY

For Receptacles with Face Diameters of 1.36–1.39 in. (34.5–35.3)

Description	Catalog Numbers
Thermoplastic, WET LOCATIONS with cover "open," gray.	**HBL7423WO**
Thermoplastic, WET LOCATIONS with cover "open," yellow.	**HBL74CM23WO**
Cast aluminum, WET LOCATIONS with cover "closed."	**HBL7420**

For Switches & Receptacles with Face Diameters of 1.55–1.58 in. (39.4–40.1)

Description	Catalog Numbers
Thermoplastic, WET LOCATIONS with cover "open," gray.	**HBL7425WOA**
Thermoplastic, WET LOCATIONS with cover "open," yellow.	**HBL74CM25WOA**
Thermoplastic, WET LOCATIONS with cover "open," white.	**HBL74CM25WOAW**
Cast aluminum, WET LOCATIONS with cover "closed."	**HBL7420***
Cast aluminum, no lift cover, NOT weatherproof.	**HBL7320**
Thermoplastic, WET LOCATIONS with cover "open," gray.	**HBL7428WOG+**
Thermoplastic, WET LOCATIONS with cover "open," yellow.	**HBL7428WOY+**
Thermoplastic, WET LOCATIONS with cover "open," red.	**HBL7428WOR+**

Notes: *Cast aluminum lift cover with fibershield for standard toggle and PresSwitches.*
+*Features two #6-32 threaded inserts to back mount device to cover.*

For Receptacles with Face Diameters of 1.68–1.72 in. (42.7–43.7)

Description	Catalog Numbers
Thermoplastic. WET LOCATIONS with cover "open," gray.	**HBL7424WO**
Thermoplastic. WET LOCATIONS with cover "open," yellow.	**HBL74CM24WO**
Cast aluminum. WET LOCATIONS with cover "closed."	**HBL3393**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL3394**

Note: *All weatherproof lift cover plates on this page are listed by Underwriters Laboratories, Inc. as "WDL Closed" for use in wet locations with cover closed and in damp locations.*

Weatherproof Covers for Single Receptacles on FS/FD Boxes

Note: *All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix* **"WO"** *are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.*

2008 National Electrical Code (NEC®)

406.8 Receptacles in Damp or Wet Locations.

(A) Damp Locations. A receptacle installed outdoors in a location protected from the weather or in other damp locations shall have an enclosure for the receptacle that is weatherproof when the receptacle is covered (attachment plug cap not inserted and receptacle covers closed). An installation suitable for wet locations shall also be considered suitable for damp locations. A receptacle shall be considered to be in a location protected from the weather where located under roofed open porches, canopies, marquees, and the like, and will not be subjected to a beating rain or water runoff. All 15- and 20-ampere, 125- and 250-volt nonlocking receptacles shall be listed weather-resistant type. FPN: The types of receptacles covered by this requirement are identified as 5-15, 5-20, 6-15 and 6-20 in ANSI/NEMA WD 6-2002, National Electrical Manufacturers Association *Standard for Dimensions of Attachment Plugs and Receptacles.*

(B) Wet Locations. 15- and 20-ampere, 125- and 250-volt receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. All 15- and 20-ampere, 125- and 250-volt nonlocking receptacles shall be listed weather-resistant type. FPN: The types of receptacles covered by this requirement are identified as 5-15, 5-20, 6-15 and 6-20 in ANSI/NEMA WD 6-2002, National Electrical Manufacturers Association *Standard for Dimensions of Attachment Plugs and Receptacles.* Exception: 15- and 20-ampere, 125- through 250-volt receptacles installed in a wet location and subject to routine high-pressure spray washing shall be permitted to have an enclosure that is weatherproof when the attachment plug is removed.

NEC® is a registered trademark of the The National Electrical Code.

HBL7423WO

HBL7425WOA

HBL7424WO

HBL7420

HBL7320

HBL3393

2.84" (72.1)
.19" (4.8) DIA. 4 HOLES
4.56" (115.8)
3.25" (82.6)
HUBBELL
1.88" (47.8)
3.31" (84.0)

Typical Plate, 1-Gang

Wallplates
Weatherproof Lift Covers
For Flanged Inlets and Flanged Receptacles

IP44
SUITABILITY

WP1

WP1
Weatherproof Lift Cover For Flanged Inlets and Flanged Receptacles
For 15 and 20A, 2-pole 2-wire and 3-wire Insulgrip® flanged inlets and flanged outlets.

Straight Blade, 2-Pole, 3-Wire Flanged Inlets	Flanged Receptacles
HBL5278C	HBL5279C
HBL5378C	HBL5379C
HBL5478C	HBL5479C
HBL5678C	HBL5679C

Twist-Lock® 2-Pole, 2-Wire and 2-Pole, 3-Wire Flanged Inlets	Flanged Receptacles
HBL8815C	HBL8809C
HBL7524C	HBL7526C
HBL4716C	HBL4715C
HBL4586C	HBL4585C
HBL4786C	HBL4785C

WP2

WP2
Weatherproof Lift Cover For Flanged Inlets and Flanged Receptacles
For 20 and 30A, 3-, 4- and 5-wire Insulgrip flanged inlets and flanged outlets.

Twist-Lock 2-pole, 3-wire; 3-pole, 4-wire; 4-pole, 4-wire; 5-wire Flanged Inlets

HBL2315	HBL2425	HBL2775
HBL2325	HBL2435	HBL2515
HBL2335	HBL2445	HBL2525
HBL2345	HBL2455	HBL2535
HBL2615	HBL2465	HBL2815
HBL2625	HBL2715	HBL2825
HBL2635	HBL2725	HBL2835
HBL2645	HBL2735	HBL3325C
HBL2655	HBL2745	HBL3334C
HBL3325C	HBL2755	HBL7408C
HBL2415	HBL2765	

Flanged Receptacles

HBL2316	HBL2416	HBL2766
HBL2326	HBL2426	HBL2776
HBL2336	HBL2436	HBL2516
HBL2346	HBL2446	HBL2526
HBL2356	HBL2456	HBL2536
HBL2616	HBL2466	HBL2816
HBL2626	HBL2716	HBL2826
HBL2636	HBL2726	HBL2836
HBL2646	HBL2736	HBL3326C
HBL2656	HBL2746	HBL3335C
HBL3326C	HBL2756	HBL7409C

Wallplates
Weatherproof Switch Plates, Covers and Locking Covers

IP44
SUITABILITY

Weatherproof Plates

Description	Catalog Number
Clear bubble plate, silicone rubber for use with all general purpose AC toggle and PresSwitch® Switches. Fits both FS/FD and standard boxes.	**HBL1795**

HBL1795

Weatherproof Plates

Description	Catalog Numbers
Gray neoprene PresSwitch Plate. Fits FS/FD and standard boxes.	**HBL1750***
Same as above except yellow.	**HBL17CM50***

HBL1750

Weatherproof Plates

Description	Catalog Numbers
Gray neoprene PresSwitch Plate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785***
Same as above except yellow.	**HBL17CM85***

HBL1785

Weatherproof Covers

Description	Catalog Number
Cast aluminum lift cover plate with fiber shield. For standard toggle and PresSwitch Switches. Fits only FS/FD boxes.	**HBL7420**

HBL7420

Brass Locking Covers Attachment for Switches

Description	Catalog Numbers
Straight keying (all locks alike) appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key–all locks are keyed alike.	**HBL96061***
Same as above except in dull chrome finish to match stainless steel plates.	**HBL96061DCH***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062***

HBL96061
shown with wallplate and switch (sold separately)

Not listed by Underwriter's Laboratories Inc.

Wallplates
Heavy Duty Weatherproof Covers for Duplex, GFCI, Surge Receptacles and Style Line® Devices

IP44
SUITABILITY

Duplex Covers For Vertical Mounting

HBL5221

Description	Dimensions Height x Width x Depth	Catalog Numbers
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08"	**HBL5221**
Thermoplastic, yellow, for FS/FD box mounting.	4.56" x 2.89" x 1.08"	**HBL52CM21**
Thermoplastic, gray, for device mounting.	4.56" x 2.89" x 1.08"	**HBL5222**
Thermoplastic, yellow, for device mounting.	4.56" x 2.89" x 1.08"	**HBL52CM22**

Duplex Covers For Horizontal Mounting

HBL5206WO

Description	Dimensions Height x Width x Depth	Catalog Numbers
Cast aluminum, for device mounting.	2.88" x 4.56" x 0.79"	**HBL5205WO**
Cast aluminum, for FS/FD box mounting.	2.88" x 4.56" x 0.79"	**HBL5206WO**
Zinc die cast, commercial grade, for device mounting.	2.90" x 4.60" x 0.75"	**CWP8H**

CWP8H

GFCI, Surge and Style Line Covers

WPFS26

Description	Dimensions Height x Width x Depth	Catalog Numbers
Die cast aluminum, vertical position, device mount.	4.56" x 2.81" x 0.75"	**WP26**
Die cast aluminum, vertical position, FS/FD box mount.	4.56" x 2.81" x 0.75"	**WPFS26**
Zinc die cast, commercial grade, horizontal position, device mount.	2.30" x 4.75" x 0.73"	**CWP26H**

Notes: All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with Suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

CWP26H

HUBBELL® *Wiring Device-Kellems* www.hubbell-wiring.com *Dimensions in Inches (mm)*

Wallplates
Weatherproof Covers for Duplex, Single, GFCI, Surge Receptacles and Style Line® Devices and Switches

Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Numbers
Zinc die cast, gray, duplex cover for box mounting.	4.58" x 2.82" x 0.57"	**RW51470**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.56" x 2.81" x 0.88"	**RW51550***
Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting.	4.58" x 2.81" x 0.57"	**RW51040**

RW51470

RW51550

RW51040

1-Gang Weatherproof Covers for Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Numbers
Zinc die cast, gray, duplex cover for device mounting.	2.82" x 4.57" x 0.79"	**RW51810**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	2.81" x 4.56" x 0.99"	**RW51520***
Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting.	2.82" x 4.56" x 0.52"	**RW51020**

RW51810

RW51520

RW51020

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Numbers
Zinc die cast, gray, duplex cover for device mounting.	4.54" x 4.54" x 0.75"	**RW51320**
Zinc die cast, gray, one duplex/one GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.54" x 0.77"	**RW51330**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.54" x 4.54" x 0.77"	**RW51380**
Zinc die cast, gray, two GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.56" x 0.73"	**RW51450**

RW51320

RW51330

RW51380

Notes: All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations.
*Those with Suffix **"WO"** are listed for WET LOCATIONS with cover open in continuous use.*
All plates are gasketed and self-closing.
* C-UL US Listed.

RW51450

Wallplates
While-In-Use Weatherproof Covers
For Maximum In-Use Protection

Cast Aluminum
1-Gang, Vertical

Description	Dimensions Height x Width x Depth	Catalog Numbers
Duplex receptacle.	6.13" x 3.38" x 3.50"	**WP8M**
Rectangular, GFCI/Style Line® device.	6.13" x 3.38" x 3.50"	**WP26M**

WP8M

1-Gang, Horizontal

Description	Dimensions Height x Width x Depth	Catalog Numbers
Duplex receptacle.	4.31" x 5.13" x 3.50"	**WP8MH**
Rectangular, GFCI/Style Line® devices.	4.31" x 5.13" x 3.50"	**WP26MH**

WP26MH

1-Gang Receptacle, Vertical Deep

Description	Dimensions Height x Width x Depth	Catalog Numbers
For face dia. of 1.55" to 1.58" (39.4–40.1).	6.13" x 3.38" x 5.00"	**WP7D**
For face dia. of 2.09" to 2.13" (53.1–54.1).	6.13" x 3.38" x 5.00"	**WP723D**

WP7D

Specifications

Metallic
- Die cast Alloy 360 copper-free® aluminum for maximum corrosion resistance and durability. Alloy 360 has less than .004% copper content.

- Finish is baked aluminum lacquer.

- NEMA® 3R rating when used with the appropriate weatherproof outlet box which is intended for outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.

- Box or device mount for flexibility of installation.
- Gaskets are closed-cell foam.
- Meets OSHA lockout/tagout requirements.
- Latching covers hold securely.
- Large cord openings.
- Clearly marked UL and CSA logos.
- Covers include gasket and mounting screws. Lids have gasketless design.
- UL Listed/CSA Certified.
- Devices not included.
- Holes for padlocks are ¼ inch (6.4) diameter.
- Drill points in four corners for box mounting.

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Wallplates
While-In-Use Weatherproof Covers
For Maximum In-Use Protection

1-Gang Weatherproof Covers for Vertical or Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Numbers
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.91" x 4.32" x 2.84"	**RW57500**
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.91" x 4.32" x 4.82"	**RW57600**

RW57500

RW57600

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Numbers
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.94" x 5.54" x 2.84"	**RW57750**
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.94" x 5.54" x 4.82"	**RW57900**
Thermoplastic, gray, single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.94" x 5.54" x 4.82"	**RW57950**

RW57750

RW57900

RW57950

Notes: Required by the NEC® for while-in-use outdoor power distribution. Thermoplastic covers provide protection for use in wet locations with the cover closed, NEMA® 3R rated. Meets NEC 406.8 – receptacles in damp or wet locations. Holes for padlocks are .40 inch.

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NEC® is a registered trademark of the The National Electrical Code.

Wallplates
Screws and Accessories

Screws, 6-32 Thread, 100 Count

RA756I

RA40

HBL7298

Description	Color	Catalog Numbers	Material	Catalog Numbers
Decorator Wallplate Screws, Oval Head Milled Slot, ⅜ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100)	Almond Black Brown Gray Ivory Light Almond White	RA38AL RA38BK RA38 RA38GY RA38I RA38LA RA38W	Brass Chrome Stainless Steel	RA38BR RA38CH RA38SS
Standard Wallplate Screws, Oval Head Milled Slot, ½ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100)	Almond Black Brown Gray Ivory Light Almond White	RA12AL RA12BK RA12 RA12GY RA12I RA12LA RA12W	Brass Chrome Stainless Steel	– – –
Standard Wallplate Screws, Oval Head Milled Slot, ⅝ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100)	Almond Black Brown Gray Ivory Light Almond White	– – – – – –	Brass Chrome Stainless Steel	RA58BR RA58CH RA58SS
Standard Wallplate Screws, Oval Head Milled Slot, 1.0 in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100)	Ivory White	RA88I RA88W	Stainless Steel	RA88SS

HBL7341

HBL7342RKL

HBL7372RKL

Single Count Screws and Accessories

Description	Color	Catalog Numbers
Blank toggle adapter, to fill a toggle opening.	Brown Ivory White	RA756 RA756I RA756W
Mounting strap, with screws.	Steel	RA40
Red rectangular jewel in metal frame for switch plates.	Red	HBL7298
Brass plated screw, standard slot, .38 in. (9.7) long.		HBL7341
Stainless steel screw, standard slot, .38 in. (9.7) long.		HBL7341SS
Security screws, 6-32 thread, single count.		HBL7342RKL
Screwdriver with security bit.		HBL7372RKL

Wallplates
Technical Information

Specifications

Listings

Non-Metallic Plates	UL Standard 514D.
Metallic Plates	UL Standard 514D.
Certification	UL Files #E31999, E92074.
	CSA Standard C22.2 No. 42.1.
	CSA File 1733174.

Nylon Plate

Thickness	.06" (1.5).
Mounting Screw(s)	Steel (painted slotted screw head).
Feature	Captive mounting screw hole.
Operating Temperature	-40°C to 85°C.
Appearance	Smooth.

302/304 Stainless Steel (18% Chromium, 8% Nickel) Plate

Thickness	.03 in. (0.8) nominal.
Mounting Screw(s)	302/304 stainless steel (18% chromium, 8% nickel).
	Slotted screw head.
Appearance	Smooth satin finish (without lines).

Brass (70% Copper, 30% Zinc) Plate

Thickness	.04 in. (1.0).
Mounting Screw(s)	Brass (70% Copper, 30% Zinc). Slotted screw head.
Appearance	Smooth satin finish (without lines).

Aluminum Plate

Thickness	.05 in. (1.3).
Mounting Screw(s)	Aluminum slotted head.
Appearance	Smooth satin finish, clear anodized (without lines).

Brass Plated Steel Plate

Thickness	.03 in. (0.8) nominal.
Mounting Screw(s)	Brass slotted head.
Appearance	Smooth satin finish (without lines), coated to inhibit oxidation.

Chrome Plated Steel Plate

Thickness	.03 in. (0.8) nominal.
Mounting Screw(s)	Zinc plate steel, slotted head.
Appearance	Smooth (without lines), coated to inhibit oxidation.

Steel Painted Plate

Thickness	.03 in. (0.8) nominal.
Mounting Screw(s)	Steel (painted slotted screw head).
Appearance	Powder coat paint.

Wallplates
Wallplate Dimensions

Product Dimensions

Size	Standard Metal Height	Width	Painted Metal Width	Size	Mid-Size Metal Height	Width
1-Gang	4.50" (114.3)	2.87" (72.9)	2.75" (69.8)	1-Gang	4.88" (124.0)	3.13" (79.5)
2-Gang	4.50" (114.3)	4.60" (116.8)	4.56" (115.8)	2-Gang	4.88" (124.0)	4.94" (125.5)
3-Gang	4.50" (114.3)	6.41" (162.8)	6.38" (162.1)	3-Gang	4.88" (124.0)	6.75" (171.5)
4-Gang	4.50" (114.3)	8.22" (208.8)	8.18" (207.8)			
5-Gang	4.50" (114.3)	10.03" (254.8)	10.00" (254.0)		Jumbo Metal	
6-Gang	4.50" (114.3)	11.81" (300.0)	11.81" (300.0)	Size	Height	Width
7-Gang	4.50" (114.3)	13.68" (347.5)		1-Gang	5.25" (133.4)	3.50" (88.9)
8-Gang	4.50" (114.3)	15.44" (392.1)		2-Gang	5.25" (133.4)	5.31" (134.9)
				3-Gang	5.25" (133.4)	7.12" (180.8)

Size	Standard Nylon Height	Width	Size	Mid-Size Nylon Height	Width
1-Gang	4.63" (117.6)	2.88" (73.2)	1-Gang	4.88" (124.0)	3.13" (79.5)
2-Gang	4.63" (117.6)	4.69" (119.1)	2-Gang	4.88" (124.0)	4.94" (125.4)
3-Gang	4.63" (117.6)	6.50" (165.1)	3-Gang	4.88" (124.0)	6.75" (171.5)
4-Gang	4.63" (117.6)	8.31" (211.1)	4-Gang	4.88" (124.0)	8.56" (217.4)
5-Gang	4.63" (117.6)	10.12" (256.1)			
6-Gang	4.63" (117.6)	11.93" (303.0)			

Size	Snap-On Nylon Height	Width
1-Gang	4.68" (118.9)	2.94" (74.7)
2-Gang	4.68" (118.9)	4.75" (120.7)
3-Gang	4.68" (118.9)	6.56" (166.6)
4-Gang	4.68" (118.9)	8.37" (212.6)
5-Gang	4.68" (118.9)	10.18" (258.6)
6-Gang	4.68" (118.9)	11.99" (304.5)

Wallplate Openings and Mounting Dimensions
#6-32 Oval Head Screws Typical

Metal
1.38" (35.1) Standard
1.56" (39.7) Mid-Size
1.75" (44.5) Jumbo

Metal
4.50" (114.3) Standard
4.88" (124.0) Mid-Size
5.25" (133.4) Jumbo

1.81" (46.0) TYP.   1.81" (46.0) TYP.   1.81" (46.0) TYP.   1.81" (46.0) TYP.

Duplex Recept. Device Mtg.
Power Outlet Device Mtg. 2.50" (63.5)
Standard Device Mtg. 2.38" (60.5)
Box Mtg. 3.28" (83.3)
Rectangular Devices 3.81" (96.8) Mtg.

Specifications are subject to change without notice.

Wallplates
Custom Metal Wallplates
How To Select A Custom Metal Wallplate

Step 1:
Determine wallplate material and enter in box marked "Catalog Number"

Smooth Metal Material	Code
Anodized Aluminum	**AL**
Brass plated steel	**BP**
Solid brass	**BR**
Chrome plated steel	**CH**
Stainless steel 302/304	**SS**

Determine number of gangs required and enter in box marked "Catalog Number" next to material.

Number of Gangs	Code
1-gang	**1**
2-gang	**2**
3-gang	**3**
4-gang	**4**
5-gang	**5**
6-gang	**6**
7-gang	**7**
8-gang	**8**

Enter Catalog Number

♦ | WC* | SS | 4 |

Step 2:
Enter quantity.

Step 3: Select the custom metal wallplate configuration.

Refer to the custom wallplate configuration chart to select a configuration for each gang in the wallplate. Each configuration has a specific 3-digit code located in the right hand side of the chart on pages K-36 to K-40. Enter this 3-digit configuration code in the corresponding box on the order form grid to match the position required on the finished custom wallplate.

Item No.	Catalog No.	Quantity	Code	Position 1	Position 2	Position 3	Position 4
1	WCSS4		H*	001	149	008	026
2							

*WC and H are preprinted on the distributor order form.

♦ *Number to use for pricing.*

The 3-digit numbers listed at the upper right of the Sample Order Form (001, 149, etc.) represent the custom metal wallplate selected on the right. See Configuration Chart and Hubbell Configuration Selector Guide on pages K-36 to K-40 for additional configuration choices.

Custom Metal Wallplates
Configuration Chart

001
Switch.

007
Single Receptacle.
1.40" ID (35.6)

008
Duplex Receptacle.

011
1-gang .635" ID (16.1)
Hole Box Mounted with
.50" ID (12.7) Nylon Bushing.

012
1-gang .635" ID (16.1) Hole
Strap Mtd. incl. Strap with
.50" ID (12.7) Nylon Bushing.

013
Blank Box Mount.

014
Blank Strap Mtd.
incl. Strap.

026
Rectangular Opening.

055
1-gang .375" ID (9.5)
Hole Strap Mtd. incl. Strap.

056
1-gang .375" ID (9.5)
Hole Box Mounted.

057
1-gang .50" ID (12.7)
Hole Strap Mtd. incl. Strap.

058
1-gang .50" ID
(12.7) Hole Box Mounted.

078
Barrel Key Switch.

079
Barrel Key Switch with
hash marks.

080
Barrel Key Switch with
On/Off and hash marks.

091
Single Receptacle.
1.60" ID
(40.5) Hole.

098
Single Receptacle.
2.16" ID
(54.7) Hole.

135
Vertical Mounted Louver.

149
Totally Blank
(no mounting holes).

Coax/Twinax and Modular Jack Openings

422
.51" (12.8)
Dia. "D" Box Mtd.
.44" (11.1) Flat Dia.
425
.51" (12.8)
Dia. "D" Box Mtd.
.47" (12) Flat Dia.
428
.58" (14.7)
Dia. "D" Box Mtd.
.55" (14) Flat Dia.
430
.76" (19.2)
Dia. "D" Box Mtd.
.73" (18.6) Flat Dia.

423
.51" (12.8)
Dia. "D" Box Mtd.
.44" (11.1) Flat Dia.
426
.51" (12.8)
Dia. "D" Box Mtd.
.47" (12) Flat Dia.
429
.58" (14.7)
Dia. "D" Box Mtd.
.55" (14) Flat Dia.
431
.76" (19.2)
Dia. "D" Box Mtd.
.73" (18.6) Flat Dia.

456
.375" (9.5)
Dia. Round Box Mtd.
458
.500" (12.7)
Dia. Round Box Mtd.
411
.635" (16.1)
Dia. Round Box Mtd.

435
9-Pin Vertical Box Mtd.

438
15-Pin Vertical Box Mtd.

295
25-Pin Vertical Box Mtd.

314
IBM® Type Opening Box
Mounted.

415
IBM® Type Opening with
One .586" X .762"
(14.9 X 19.3).

Voice/Data Opening

470
.542" X .750" Vertical Box
Mtd. (13.8 X 19.0).
473
.586" X .762" Vertical Box
Mtd. (14.9 X 19.4).
476
.586" X .815" Vertical Box
Mtd. (14.9 X 20.7).
479
.575" X .783" Vertical Box
Mtd. (14.6 X 19.9).

471
.542" X .750" Vertical Box
Mtd. (13.8 X 19.0).
474
.586" X .762" Vertical Box
Mtd. (14.9 X 19.4).
477
.586" X .815" Vertical Box
Mtd. (14.9 X 20.7).
480
.575" X .783" Vertical Box
Mtd. (14.6 X 19.9).

For detailed dimensions of the above configurations, see pages K-37 to K-40.
Available in smooth metal, standard size only up to and including 8-gang type.
IBM® is a registered trademark of International Business Machines Corporation.

Wallplates
Custom Metal Wallplates
Configuration Selector Guide

Configuration
001

Toggle Switch Plate.

Configuration
014

Blank Plate (Strap Mount).

Configuration
007

Single 15 or 20A Straight
Blade Receptacle.
15A Twist-Lock® Receptacle.

Configuration
026

GFI/Rectangular Opening.

Configuration
008

Duplex Receptacle.

Configuration
055

Single, .375" (9.5)
Telephone (Strap Mount).

Configuration
011

Single, .635" (16.1)
Telephone (Box Mount).

Configuration
056

Single, .375" (9.5)
Telephone (Box Mount).

Configuration
012

Single, .635" (16.1)
Telephone (Strap Mount).

Configuration
057

Single, .50" (12.7)
Telephone (Strap Mount).

Configuration
013

Blank Plate (Box Mount).

Configuration
058

Single, .50" (12.7)
Telephone (Box Mount).

Specifications are subject to change without notice.

Wallplates
Custom Metal Wallplates
Configuration Selector Guide

Configuration
078

Barrel Key Switch.

Configuration
149

Totally Blank Plate.

Configuration
079

Barrel Key Switch
with hash marks.

Configuration
295

RS232 Port Single 25-Pin
(Box Mount).

Configuration
080

Barrel Key Switch
with On/Off and
hash marks.

Configuration
314

IBM® Type (Box Mount).

Configuration
091

Single 20 or 30A Twist-Lock®
Receptacle.

Configuration
411

Dual .635" (16.1) Holes
(Box Mount).

Configuration
098

Single Receptacle,
30 or 50A Straight Blade,
3 Wire Power Outlet.

Configuration
415

IBM® Type and Modular Jack
(Box Mount).

Configuration
135

Louvered Plate, Strap Mount.

Configuration
422

Single .505" (12.8) D-Hole
(Box Mount).

Specifications are subject to change without notice.
IBM® is a registered trademark of International Business Machines Corporation.

Wallplates
Custom Metal Wallplates
Configuration Selector Guide

Configuration **423**
Dual .505" (12.8) D-Holes (Box Mount).

Configuration **431**
Dual .755" (19.2) D-Holes (Box Mount).

Configuration **425**
Single .505" (12.8) D-Hole (Box Mount).

Configuration **435**
Single 9-Pin RS232 (Box Mount).

Configuration **426**
Dual .505" (12.8) D-Holes (Box Mount).

Configuration **438**
Single 15-Pin RS232 (Box Mount).

Configuration **428**
Single .580" (14.7) D-Hole (Box Mount).

Configuration **456**
Dual .375" (9.5) Round (Box Mount).

Configuration **429**
Dual .580" (14.7) D-Holes (Box Mount).

Configuration **458**
Dual .50" (12.7) Round (Box Mount).

Configuration **430**
Single .755" (19.2) D-Hole (Box Mount).

Configuration **470**
Single Modular Jack (Box Mount).

Specifications are subject to change without notice.

Wallplates
Custom Metal Wallplates
Configuration Selector Guide

Configuration
471

Dual Modular Jack
(Box Mount).

Configuration
477

Dual Modular Jack
(Box Mount).

Configuration
473

Single Modular Jack
(Box Mount).

Configuration
479

Single Modular Jack
(Box Mount).

Configuration
474

Dual Modular Jack
(Box Mount).

Configuration
480

Dual Modular Jack
(Box Mount).

Configuration
476

Dual Modular Jack
(Box Mount).

Specifications are subject to change without notice.

Section L
Floor Boxes

Index

SystemOne Multimedia

Convention Center Utility Box

CONNEXION Zone Distribution System

Furniture Connectivity Boxes

Hubbell Floor Boxes

Featuring the unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements. In addition, Hubbell continues to offer a complete variety of traditional flush and recessed floor box options.

Whatever your requirement, Hubbell has a solution. With Hubbell SystemOne fire-rated poke-through products that offer the same unique advantages, Hubbell's entire delivery system package is second to none in providing a consistent, aesthetic and functional solution for your power, data and audio/video needs.

Hubbell SystemOne Floor Box applications…

Multi-Service Applications
This Hubbell SystemOne sub-plate incorporates 2 standard Style Line® rectangular openings, which can be used for a variety of power and/or data applications. It will accommodate 15A or 20A, standard and isolated ground, and a single GFCI or surge protected receptacle. Using communication frames, it can provide a 6-port multi-service or a 12-port all communication solution.

Multimedia Applications
Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio and video markets. Some sub-plates provide power outlets with Hubbell's audio/video products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series audio/video modules.

4X4 Applications
Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for Snap Fit flush mount Hubbell modular jacks and audio/video Snap Fit connectors. Receptacle wiring permits dual-circuit, as well as isolated ground applications.

Extron® is a registered trademark of Extron Electronics.

Traditional Floor Boxes…

Flush Applications

Hubbell offers a wide variety of traditional solutions including single and multi-gang cast iron, stamped steel and non-metallic floor boxes in both round and rectangular designs. These boxes can be finished with either brass or aluminum covers and flanges to match any office décor. All Hubbell floor box assemblies exceed UL scrub water exclusion requirements.

Recessed Applications

For applications where recessed connections are desired, Hubbell has a complete line of recessed stamped steel and cast iron floor boxes, from two to eight gangs. A variety of modular face plates are available to meet a wide array of power, data, voice and audio/video requirements. Carpet and tile cover/flange assemblies are offered in painted brass, aluminum, black, gray, brown and ivory colors.

Wooden Floor Applications

Hubbell offers round, single service and rectangular, multi-service floor boxes for wooden floor applications. The rectangular boxes are available in one, two and three-gang options and feature removable barriers for maximum capacity while maintaining separation of power and low voltage. A variety of covers and flanges are available in brushed aluminum or brass to meet aesthetic requirements.

Floor Boxes
Hubbell SystemOne Metal and Non-Metallic Concrete Floor Boxes

ScrubShield™
Complies with UL514 A & C

C (UL) US LISTED

Hubbell SystemOne Cast Iron Floor Box – S1CFB

Non-Metallic riser.

The Cast Iron Floor Box construction provides durability and corrosion resistance for on-grade applications.

Oversized 1½ in. N.P.T. threaded conduit access holes for low voltage.

One inch N.P.T. threaded conduit access holes for power.

Hubbell SystemOne Steel Floor Box – S1SFB

Non-Metallic riser.

The Stamped Steel Floor Box construction provides an economic solution for above-grade applications.

Concentric knockouts permit various conduit sizes for both power and data services.

Hubbell SystemOne Steel A/V Floor Box – S1SFBAV

Non-Metallic riser.

Accommodates high-capacity multi-media applications in a 3½ in. minimum depth of pour.

Oversized 1½ in. N.P.T. threaded data hub.

¾ in., 1 in. trade size concentric knockouts for power services.

Hubbell SystemOne Non-Metallic Floor Box – S1PFB

High-strength rigid PVC construction that is non-corrosive.

Oversized 1½ in. data conduit hub for increased cable capacity and bend radius.

Parallel conduit hubs reduce labor and material cost, facilitating easier wire pull.

- Easily installed, aesthetic and configurable floor box solution for open floor plans that require both power and data services.

- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar.

- The Hubbell SystemOne Universal Cover features ScrubShield™ technology that exceeds UL514A and UL514C scrub water exclusion requirements.

- Convenient cubic inch (cm³) capacity markings on interior of box.

- Leveling feet provide before pour adjustability.

- PVC riser allows a simple saw cut for adjustment after pour.

- Supplied with concrete cover and closure plugs (where applicable).

- Designed to accommodate multi-service applications with the wide offering of Hubbell SystemOne Sub-Plates.

- C (UL) US LISTED, Metallic Floor Box.

- Provides an economical, easy to install in-floor delivery system for large, open plan spaces.

- The Hubbell SystemOne Universal Cover mounts directly to the floor box, eliminating the need for additional adapter collar.

- Supplied with concrete cover, conduit reducers and conduit hub plugs.

- C (UL) US LISTED, Non-Metallic Floor Box.

Floor Boxes
Hubbell SystemOne Metal and Non-Metallic Concrete Floor Boxes

ScrubShield™
Complies with UL514 A & C

c(UL)us LISTED

Dimensions Inches (mm)	Cast Iron	Steel	Steel A/V	Non-Metallic
Metal / **Non-Metallic**	S1CFB*	S1SFB*	S1SFBAV*	S1PFB
Min. Depth of Pour	3.50" (88.9)	3.50" (88.9)	3.50" (88.9)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity	156.0 cu. in. (2556.4 cm³)	175.7 cu. in. (2879.2 cm³)	177.5 cu. in. (2909.7 cm³)	100 cu. in. (1638.7 cm³)
Dimensions – A	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)	6.00" (152.4)
Dimensions – B	7.26" (184.4)	7.50" (190.5)	7.50" (190.5)	5.58" (141.7)
Dimensions – C	7.45" (189.2)	7.38" (187.4)	7.38" (187.4)	8.76" (222.5)
Dimensions – D (Inside Diameter)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)
Power Entries	1" N.P.T. Access Holes	¾", 1" Concentric KO	¾", 1" Concentric KO	1" Conduit Hub
Data Entries	1½" N.P.T. Access Holes	¾", 1", 1 ¼" Concentric KO	1½" Threaded Hub (included)	1½" Conduit Hub
Concrete Cover Included	✓	✓	✓	✓
Closure Plugs Included	✓	—	✓	✓
Accepts Hubbell SystemOne Universal Cover	✓	✓	✓	✓
Cover Mounting Clips Included	✓	✓	✓	✓
Non-Metallic Low Voltage Divider Included (S1DIV1)	✓	✓	✓	✓

Notes: UL File Number E92074.
CSA File Number LR18416.
*S1CFB, S1SFB, S1SFBAV are approved for use in the City of Chicago.

Hubbell SystemOne Universal Covers

Universal Carpet Flange and Cover Assembly

- Cast aluminum construction.
- Durable powder coat finish.

Catalog Numbers	Color
S1CFCAL	Aluminum
S1CFCBRS	Brass
S1CFCBL	Black
S1CFCGY	Gray
S1CFCI	Ivory

8.00" Dia.

Universal Tile Flange and Cover Assembly

- Cast aluminum construction.
- Durable powder coat finish.

Catalog Numbers	Color
S1TFCAL	Aluminum
S1TFCBRS	Brass
S1TFCBL	Black
S1TFCGY	Gray
S1TFCI	Ivory

5.62" Dia.

Aluminum Finish   Brass Finish   Black Finish   Gray Finish   Ivory Finish

Floor Boxes
Hubbell SystemOne Sub-Plates

ScrubShield™ C (UL) US LISTED
Complies with UL514 A & C

Hubbell SystemOne Sub-Plates

Description	Catalog Numbers
Style Line®/GFCI	**S1SP**

(2) Style Line openings for power and/or datacom applications.

3 Non-Metallic **3.5** Metal

Description	Catalog Numbers
Hubbell 4 X 4	**S1SP4X4**

(4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush A/V connectors.

4

Description	Catalog Numbers
Single Receptacle + Data	**S1SPTL**

20A or 30A Twist-Lock® receptacle (1.56" OD). (2) Keystone openings for Hubbell jacks or flush A/V connectors.

4

Description	Catalog Numbers
Hubbell Datacom + Style Line®	**S1SPSL2IM**

(1) Style Line® opening, (2) flush Keystone openings and 1.5-unit recessed iSTATION™ opening for data, voice and A/V applications.

5

Description	Catalog Numbers
Extron® or FSR + Power	**S1SPEXT2**

(1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.

4

Description	Catalog Numbers
Ortronics Series II® + Power	**S1SPORT**

(1) 20A, 125V receptacle. Recessed opening for (3) 1-unit Ortronics Series II® modules.

5

Description	Catalog Numbers
Panduit Mini Com® 4 X 4	**S1SP4X4PA**

(4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity.

4

Description	Catalog Numbers
Duplex/Duplex	**S1SPDU**

(2) Duplex openings for power and/or datacom applications.

3 Non-Metallic **3.5** Metal

Description
Carpet Furniture Feed Cover/Flange*

Color	Catalog Numbers
Brass	**S1SPFFBRS**
Aluminum	**S1SPFFAL**
Black	**S1SPFFBL**
Gray	**S1SPFFGY**

(1) ¾" & (1) 1½" N.P.T. plugs for power and/or datacom applications. **Universal Cover not required. Includes carpet flange.**

3 Non-Metallic **3.5** Metal

Description	Catalog Numbers
Hubbell Datacom + Power	**S1SP3IM**

(1) 20A, 125V receptacle. 3-unit recessed iSTATION™ opening for data, voice, and A/V applications.

5

Description	Catalog Numbers
Hubbell Datacom	**S1SP4IM**

1-unit flush iSTATION™ opening. 3-unit recessed iSTATION™ opening for data, voice, and A/V applications.

3.5

Description	Catalog Numbers
Extron® or FSR Single-Service	**S1SPEXT3**

Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.

4.5

Description	Catalog Numbers
Ortronics TracJack® + Power	**S1SPTRAC**

(1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules.

5

Description	Catalog Numbers
SYSTIMAX® 4 X 4	**S1SP4X4SYS**

(4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity.

4

Description	Catalog Numbers
Duplex/Style Line®	**S1SPDUSL**

(1) Duplex and (1) Style Line® opening for power and/or datacom applications.

3 Non-Metallic **3.5** Metal

Description
Tile Furniture Feed Cover/Flange*

Color	Catalog Numbers
Brass	**S1SPFFTBRS**
Aluminum	**S1SPFFTAL**
Black	**S1SPFFTBL**
Gray	**S1SPFFTGY**

(1) ¾" & (1) 1½" N.P.T. plugs for power and/or datacom applications. **Universal Cover not required. Includes tile flange.**

3 Non-Metallic **3.5** Metal

Description	Catalog Numbers
Hubbell Datacom + Duplex	**S1SPDU2IM**

(1) Duplex opening, (2) flush Keystone openings and 1.5-unit recessed iSTATION™ opening for data, voice and A/V applications.

5

Description	Catalog Numbers
Extron® or FSR + Power	**S1SPEXT1**

(1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates.

4

Description	Catalog Numbers
Extron® AAP + Power	**S1SPEXT4**

(1) 20A, 125V receptacle. (2) flush Keystone and recessed opening for (2) single Extron® AAP series adapter plates.

4

Description	Catalog Numbers
Siemon MAX® + Power	**S1SPMAX**

(1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules.

5

Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Metal Floor Boxes **(S1CFB, S1SFB and S1SFBAV)** and SystemOne Non-Metallic Floor Box **(S1PFB)**.

*Extron® is a registered trademark of Extron Electronics.
MAX® is a registered trademark of The Siemon Company.
Mini-Com® and Panduit® are registered trademarks of Panduit Corp.
SYSTIMAX® is a registered trademark of CommScope, Inc.
TracJack®, Series II® & Ortronics® are registered trademarks of Ortronics/Legrand.*

*Notes: *Furnished with two screw-in flexible metal conduit connectors.
See section P for Hubbell jacks and frames.*

Floor Boxes
Hubbell SystemOne Features and Accessories

ScrubShield™
C UL US LISTED
Complies with UL514 A & C

Hubbell SystemOne Universal Cover Features

Hinged doors open 180 degrees flush to the carpet flange or tile.

Screws allow each door to be secured independently.

Universal carpet or tile flange can be used for Hubbell SystemOne metal and non-metallic floor box as well as SystemOne fire-rated poke-throughs.

- Cast aluminum construction available in durable black, gray, brass, aluminum and ivory powder coat finishes.

- Features ScrubShield™ technology that exceeds UL514A and UL514C scrub water exclusion requirements.

- Provides consistent look and maximum functionality throughout the installed life.

Hubbell SystemOne Sub-Plate Features

Can be used in both SystemOne floor boxes and Fire-Rated Poke-Throughs.

Accomodates various power and data configurations.

Durable construction.

- Cast aluminum construction.

- Durable powder coat finish.

- Black mat color.

Hubbell SystemOne Accessories

Description	Catalog Numbers
Replacement Side by Side Divider	**S1DIV1**

For replacement purposes only. Used to isolate compartments when catalog number **S1SP, S1SPFFx, S1SPFFTx, S1SPDU, S1SPDUSL, S1SPDU2IM** and **S1SPSL2IM** sub-plates are used. All SystemOne Floor Boxes include this divider.

Description	Catalog Numbers
1½ in. Threaded Hub	**S1AVHUB15**

Includes 1½ in. threaded hub for use with **S1SFBAV** ONLY. Permits feed-through applications. **S1SFBAV** floor box includes one (1) threaded hub.

Replacement Data Frames
For replacement purposes only, to be used with open systems sub-plates. Sub-plate is supplied with data frame.

Description	Catalog Numbers
6-port Siemon MAX® data frame for use with **S1SPMAX** sub-plate.	**S1DFMAX**

Description	Catalog Numbers
6-port Ortronics TracJack® data frame for use with **S1SPTRAC** sub-plate.	**S1DFTRAC**

Description	Catalog Numbers
Replacement Universal Cover Mounting Clips – 5 pack	**S1FBCLIP5PK**

For replacement purposes only. Used to mount SystemOne Universal Cover to SystemOne metal and non-metallic floor boxes (**S1CFB, S1SFB, S1SFBAV, S1PFB**). Includes clips and ground leads for (5) floor boxes. All SystemOne Floor Boxes include mounting clips.

Replacement Threaded Conduit Plugs
For replacement purposes only, to be used with **S1SPFFx** and **S1SPFFTx** ONLY. Sub-plate is supplied with plugs.

Description	Catalog Number	Description	Catalog Number
1½" Aluminum	**S1FP15AL**	¾" Aluminum	**S1FP34AL**
1½" Brass	**S1FP15BRS**	¾" Brass	**S1FP34BRS**
1½" Black	**S1FP15BL**	¾" Black	**S1FP34BL**
1½" Gray	**S1FP15GY**	¾" Gray	**S1FP34GY**

Description	Catalog Number
Black Style Line® frame	**2100BK**

Floor Boxes
Flush Round Single or Multi-Service Non-Metallic Concrete Floor Box

ScrubShield™
Complies with UL514A

Dimensions Inches (mm)

PFB1

Min. Depth of Pour	3.00" (76.2)
Capacity	100 cubic inches prior to cutting level to floor (19.5 cubic inches per inch of depth).
Dimensions – A	6.00" (152.4)
Dimensions – B	7.08" (179.8)
Dimensions – C	6.69" (169.9)
Dimensions – D	5.38" (136.5)
Hubs	(2) 1.0" and (2) ¾" conduit hubs
Concrete Cover Included	✓
Closure/Reducer Plugs	(2) 1" plugs close off 1" hubs or reduce 1" to ¾" (2) ¾" plugs close off ¾" hubs or reduce ¾" to ½"

Note: UL File Number E92074. CSA File Number LR18416.

Description	Catalog Numbers
Adapter	**PFBA1A**
Required for all applications.	
Low Voltage Divider	**PFBT1A**
Required for use with catalog number **PFB1** when used in multi-service applications. Accepts Hubbell standard duplex receptacles or 15A Twist-Lock® duplex receptacles (HBL4700 series).	
"Y" Adapter	**PFBYA1**
¾ in. "Y" adapter to feed parallel runs of ¾ in. conduit.	

Flush Round Covers and Flanges

Multi-Service Cover and Flange Assemblies
Includes floor box cover with duplex flaps, (2) ½ in. dia. low voltage feed through holes and matching carpet flange. 6.25 in. Diameter

SF39253A	PFBCBRA	PFBCIA	PFBCGYA	PFBCBLA
Brass	Brown Non-Metallic	Ivory Non-Metallic	Gray Non-Metallic	Black Non-Metallic

Single Service Covers

Brass
Aluminum
3.88 in. Dia.

S3925 SA3925	S3725 SA3725	S2525 SA2525	S2725 SA2725	S2925 SA2925	S3525 —	S3325 —
Duplex Flap	Duplex Screw	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Receptacle (Terrazzo Floor)

Metal Carpet Flange

Use with single service covers for carpet applications. 6.25 in. Diameter

S3082	S3082AL
Brass	Alum. Finish

Adapter Ring

Use with single service covers for tile applications.

S5016	SA5016
Brass	Aluminum

Furniture Feed Plate

Unpainted plate with 1 in. threaded opening.

PFBP1
Steel

One Piece Brass Cover and Carpet Flange

6.25 in. Diameter

SF3925*	SF2525*	SF2725*	SF2925*
Duplex Flap	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

* Catalog Number S5016 adapter ring is required for mounting SF series covers covers onto PFBA1A.

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Floor Boxes
Flush Round Single Service Metal Concrete Floor Boxes

ScrubShield™
Complies with UL514A

Dimensions Inches (mm) — Cast Iron — Stamped Steel

	Cast Iron				Stamped Steel	
Collar Material						
Brass	B2536 B253641	B2503	B2506 B2506415	B2537	B2527	B2529
Aluminum	BA2536 –	–	– –	BA2537	BA2527	BA2529
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	4.75" (120.7)	3.00" (76.2)	4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity	33.0 cu. in. (540.7 cm³)	36.0 cu. in. (590.0 cm³)	50.8 cu. in. (832.5 cm³)	33.0 cu. in. (540.7 cm³)	54.0 cu. in. (884.9 cm³)	37.3 cu. in. (611.2 cm³)
Dimensions – A	3.05" (77.5)	3.75" (95.3)	4.75" (120.7)	2.87" (72.9)	3.88" (98.6)	2.91" (73.9)
Dimensions – B	4.84" (122.9)	5.00" (127.0)	5.00" (127.0)	4.84" (122.9)	6.00" (152.4)	6.00" (152.4)
Dimensions – C	4.84" (122.9)	4.63" (117.6)	4.66" (118.4)	4.84" (122.9)	4.81" (122.2)	4.81" (122.2)
Dimensions – D	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)
Threaded Access Holes	(4) ¾" (4) 1 "	(4) ¾"	(4) 1¼" (4) 1½"	(4) ¾"	–	–
Knockouts – Sides	– –	–	– –	–	(1) 1 " & (1) ¾"	(2) ½" & (1) ¾"
Knockouts – Ends	– –	–	– –	–	(1) 1¼" & (1) ¾"	(1) ½" & (1) ½"
Knockouts – Bottom	– –	–	– –	–	(3) ½" & (2) ¾"	(3) ½" & (2) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	✓	–	–

Notes: UL File Number E31999.
CSA File Number LR18416.
Suitable for single service applications only.

Single Service Covers

Brass	S3925	S3725	S2525	S2725	S2925	S3525	S3325
Aluminum	SA3925	SA3725	SA2525	SA2725	SA2925	—	—
3.88 in. Dia.							

| Duplex Flap | Duplex Screw | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle | 2⅜" Single Receptacle | 2⅛" Single Receptacle (Terrazzo Floor) |

Carpet Flanges

5.25 in. Diameter   6.25 in. Diameter

S3182	SA3182	S3079	S3082	S3082AL

| Brass | Aluminum | Clear Polycarbonate | Brass | Alum. Finish |

One Piece Brass Cover and Carpet Flange

6.25 in. Diameter | SF3925 | SF2525 | SF2725 | SF2925 |

| Duplex Flap | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle |

Floor Boxes
Flush Rectangular Non-Metallic Concrete Floor Boxes with Non-Metallic Covers

ScrubShield™
Complies with UL514C

Dimensions Inches (mm)

Style	1-Gang	2-Gang	3-Gang
	PFBRG1*	PFBRG2	PFBRG3
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm³) Capacity Per Gang	14.3 cu. in. (234.3 cm³) per 1" depth	14.3 cu. in. (234.3 cm³) per 1" depth	14.3 cu. in. (234.3 cm³) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.82" (173.2)	10.04" (255.0)
Dimensions – C	5.42" (137.7)	5.42" (137.7)	5.42" (137.7)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.44" (138.2)	8.66" (220.0)	11.87" (301.5)
Hubs	(4) 1"	(6) 1"	(8) 1"
Reducers	(4) 1" to ¾"	(6) 1" to ¾"	(8) 1" to ¾"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Removable LV Barrier	–	✓	✓

Notes: UL File Number E92074.
CSA File Number LR18416.
* Suitable for single service applications only.

Flush Rectangular Non-Metallic Covers and Flanges

Required Components for Carpet Applications
Carpet Flanges

Number of Gangs	1-Gang	2-Gang	3-Gang
Dimensions	6.00" x 4.88"	6.00" x 8.13"	6.00" x 11.35"
Black	PFBRFBL1	PFBRFBL2	PFBRFBL3
Brown	PFBRFBR1	PFBRFBR2	PFBRFBR3
Gray	PFBRFGY1	PFBRFGY2	PFBRFGY3
Ivory	PFBRFI1	PFBRFI2	PFBRFI3

Cover with Duplex and Style Line® Inserts included

One Required per Gang
4.15" x 2.97"
PFBR826BLA
PFBR826BRA
PFBR826GYA
PFBR826IA

Duplex Insert   Cover   Style Line® Decorator Insert

Required Components for Tile Applications

Mounting Collar

One Required per Gang
PFBRMC

Cover Frame

One Required per Gang
Dim. 4.47" x 3.25"
PFBRFRA

Cover with Duplex and Style Line® Inserts included – Gray

One Required per Gang
Cover Dim. 4.15" x 2.97"
PFBR826GYA

Duplex Insert   Cover   Style Line® Decorator Insert

Floor Boxes
Flush Rectangular Non-Metallic Concrete Floor Boxes with Metal Covers

ScrubShield™
Complies with UL514C

Dimensions Inches (mm)

Style		1-Gang	2-Gang	3-Gang
		PFBRG1*	PFBRG2	PFBRG3
Min. Depth of Pour		3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability		Fully	Fully	Fully
Cubic Inch (cm^3) Capacity Per Gang		14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth
Dimensions – A		6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B		3.60" (91.4)	6.82" (173.2)	10.04" (255.0)
Dimensions – C		5.42" (137.7)	5.42" (137.7)	5.42" (137.7)
Dimensions – D		6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E		5.44" (138.2)	8.66" (220.0)	11.87" (301.5)
Hubs		(4) 1"	(6) 1"	(8) 1"
Reducers		(4) 1" to ¾"	(6) 1" to ¾"	(8) 1" to ¾"
Concrete Cover Included		✓	✓	✓
Closure Plugs Included		✓	✓	✓
Removable LV Barrier		–	✓	✓

Notes: UL File Number E92074.
CSA File Number LR18416.
* Suitable for single service applications only.

Flush Rectangular Metal Covers and Flanges

Required Components for Carpet and Tile Applications
Adapter Collar – One Required per Gang
Gray   **PFBRAC**

Adapter Frame with Grounding Lug – One Required per Gang
Dim. 4.36" x 3.20"
Brass   **S5017G**
Aluminum   **SA5017G**

Covers – One Required per Gang

Brass	**S3825**	**S3625**	**S3826**	**S2425**	**S2625**	**S2825**	**S3813**
Aluminum	**SA3825**	**SA3625**	**SA3826**	**SA2425**	**SA2625**	**—**	**SA3813**
Dimensions 4.15" x 2.99"	Duplex Flap	Duplex Screw	Style Line® Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	Blank

Carpet Flanges (Not Required for Tile Applications)

Tapered Flange

Number of Gangs	1-Gang	2-Gang	3-Gang
Dimensions	6.00" x 4.85"	6.00" x 8.13"	6.00" x 11.34"
Brass	**SB3083**	**SB3084**	**SB3085**
Aluminum	**SA3083**	**SA3084**	**SA3085**

Floor Boxes
Flush Rectangular Cast Iron Concrete Floor Boxes

ScrubShield™ (UL) (CSA)
Complies with UL514A

Dimensions Inches (mm)   Cast Iron

Style	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
Collar Material Brass Aluminum	B2436* B243641* BA2436* –	B4233 B423341 BA4233 –	B4333 B433361 BA4333 –	B2414* –	B4214 –	B4314 –
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Adjustability	Fully	Fully	Fully	Semi	Semi	Semi
Cubic Inch (cm³) Capacity Per Gang	33.0 cu. in. (540.7 cm³)	36.5 cu. in. (598.1 cm³)	34.8 cu. in. (570.3 cm³)	16.0 cu. in. (262.2 cm³)	16.0 cu. in. (262.2 cm³)	16.0 cu. in. (262.2 cm³)
Dimensions – A	3.20" (81.3)	3.38" (85.9)	3.38" (85.9)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Dimensions – B	4.69" (119.1)	4.84" (122.9)	4.90" (122.5)	5.46" (138.7)	5.46" (138.7)	5.46" (138.7)
Dimensions – C	4.69" (119.1)	8.06" (204.7)	11.41" (289.8)	4.19" (106.4)	7.49" (190.2)	10.7" (271.8)
Dimensions – D	4.36" (110.7)	4.36" (110.7)	4.36" (110.7)	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)
Dimensions – E	3.19" (81.0)	6.42" (163.1)	9.64" (244.9)	3.19" (81.0)	6.38" (162.1)	9.56" (242.8)
Threaded Access Holes	(4) ¾" (4) 1"	(6) ¾" (4) 1" & (2) ¾"	(8) ¾" (4) 1" & (2) ¾"	(2) ¾"	(4) ¾"	(6) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	✓	✓	✓
Removable LV Barrier	–	✓	✓	–	✓	✓

Notes: UL File Number E92074.
CSA File Number LR18416.
* Suitable for single service applications only.

Flush Rectangular Floor Box Covers

Brass	S3825	S3625	S3826	S2425	S2625	S2825	S3425	S3813
Aluminum	SA3825	SA3625	SA3826	SA2425	SA2625	—	—	SA3813
Dimensions 4.15" x 2.99"								
	Duplex Flap	Duplex Screw	Style Line® Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank

Carpet Flanges

Tapered Flange

Number of Gangs	1-Gang	2-Gang	3-Gang
Dimensions	6.00" x 4.85"	6.00" x 8.13"	6.00" x 11.34"
Brass	SB3083	SB3084	SB3085
Aluminum	SA3083	SA3084	SA3085
Clear Polycarbonate	S3083	S3084	S3085

Floor Boxes
Flush Rectangular Stamped Steel Concrete Floor Boxes

ScrubShield™
Complies with UL514A

Dimensions Inches (mm)

Stamped Steel

Style	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow	1-Gang Deep	1-Gang Shallow
Collar Material								
Brass	B2431*	B2432	B2433	B2421*	B2422	B2423	B2427*	B2429*
Aluminum	BA2431*	BA2432	BA2433	BA2421*	BA2422	BA2423	–	–
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)	4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity Per Gang	60.0 cu. in. (983.2 cm³)	52.8 cu. in. (865.2 cm³)	50.8 cu. in. (832.5 cm³)	39.5 cu. in. (647.3 cm³)	35.0 cu. in. (573.5 cm³)	34.0 cu. in. (557.2 cm³)	54.0 cu. in. (884.9 cm³)	37.3 cu. in. (611.2 cm³)
Dimensions – A	3.72" (94.5)	3.72" (94.5)	3.72" (94.5)	2.74" (69.6)	2.74" (69.6)	2.74" (69.6)	3.90" (99.1)	2.81" (71.4)
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	6.00" (152.4)
Dimensions – D	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)	4.38" (111.2)	4.38" (111.2)
Dimensions – E	3.19" (81.0)	6.44" (163.6)	9.67" (245.6)	3.19" (81.0)	6.44" (163.6)	9.67" (245.6)	3.19" (81.0)	3.19" (81.0)
Knockouts – Sides	(1) ¾",1",1¼"	(2) ¾",1",1¼"	(3) ¾",1",1¼"	(2) ½",(1) ¾"	(4) ½",(1) ¾"	(6) ½",(1) ¾"	(1) ½",(1) 1¼"	(2) ½",(1) ¾"
Knockouts – Ends	(1) ¾",1",1¼"	(1) ¾",1",1¼"	(1) ¾",1",1¼"	(1) ½",(1) ¾"	(2) ½",(1) ¾"	(2) ½",(1) ¾"	(1) ¾",(1) 1"	(1) ½",(1) ¾"
Knockouts – Bottom	(2) ¾",1",1¼"	(4) ¾",1",1¼"	(6) ¾",1",1¼"	(2) ¾",1",1¼"	(4) ¾",1",1¼"	(6) ¾",1",1¼"	(3) ½",(2) ¾"	(3) ½",(2) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓	✓	✓
Closure Plugs Included	–	–	–	–	–	–	–	–
Removable LV Barrier	–	✓	✓	–	✓	✓	–	–

Notes: UL File Number E92074.
CSA File Number LR18416.
* Suitable for single service applications only.

Flush Rectangular Floor Box Covers

Brass	S3825	S3625	S3826	S2425	S2625	S2825	S3425	S3813
Aluminum	SA3825	SA3625	SA3826	SA2425	SA2625	—	—	SA3813
Dimensions 4.15" x 2.99"								
	Duplex Flap	Duplex Screw	Style Line® Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank

Carpet Flanges

Tapered Flange

Number of Gangs	1-Gang	2-Gang	3-Gang
Dimensions	6.00" x 4.85"	6.00" x 8.13"	6.00" x 11.34"
Brass	SB3083	SB3084	SB3085
Aluminum	SA3083	SA3084	SA3085
Clear Polycarbonate	S3083	S3084	S3085

Floor Boxes
Recessed 4- and 8-Gang Concrete Floor Boxes

ScrubShield™
Complies with UL514A

Dimensions Inches (mm)

Style	**4-Gang Deep**	**4-Gang Shallow**	**8-Gang Deep**	**4-Gang Shallow**
	Stamped Steel			**Cast Iron**
	HBLCFB301BASE	HBLCFB401BASE	HBLCFB501BASE	HBLCFB401CB
Min. Depth of Pour	4.25" (107.6)	3.00" (76.2)	5.25" (133.4)	3.25" (82.6)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity Per Chamber	29.5 cu. in. (483.4 cm³)	25.5 cu. in. (417.9 cm³)	49.5 cu. in. (811.2 cm³)	25.5 cu. in. (417.9 cm³)
Dimensions – A	4.0" (101.6)	2.63" (66.8)	5.13" (130.3)	3.13" (79.5)
Dimensions – B	10.0" (254.0)	10.0" (254.0)	10.0" (254.0)	10.0" (254.0)
Dimensions – C	10.0" (254.0)	10.0" (254.0)	10.0" (254.0)	10.0" (254.0)
Threaded Access Holes – Per Chamber	–	–	–	(2) 1"
Knockouts – Per Chamber	(1) Concentric ½", ¾" (1) Concentric ¾", 1" (1) 1¼"	(3) Concentric ½", ¾"	(1) Concentric ½", ¾" (1) Concentric ¾", 1" (1) 1¼"	–
Concrete Cover Included	✓	✓	✓	✓
Closure Plugs Included	–	–	–	✓

Notes: UL File Number E197203.
CSA File Number LR702145.

Floor Box Covers

Die Cast Zinc Cover and Flange Assembly
Dimensions 10.69" x 10.69"

HBLTCGNTSW   **HBLTCGNTBKSW**

Granite   Black

Hubbell – Screw Type Face Plates*

HBLST302SGY	HBLDE301SGY	HBLTO310SGY	HBLTL318GY	HBLTL319SGY	HBLBL300SGY	HBLIMFSGY	HBL317SGY
Duplex	Style Line®	Toggle	Single Receptacle (1.56" Boss Dia.)	Single Receptacle (1.39" Boss Dia.)	Blank	Hubbell iSTATION™ (See pages P-6 to P-11 for module options)	Hubbell 6-Port

Open Systems – Screw Type Face Plates*

HBLAM303SGY	HBLAMP313SGY	HBLKR314SGY	HBLLT309SGY	HBLPA308SGY	HBLNO309SGY	HBLSI305SGY	HBLSI315SGY	HBLOR306SGY	HBLORT322SGY
AMP-ACO	AMP 6-Port	Krone®/Leviton®	SYSTIMAX®	Panduit Mini-Com®	NORDX® 6-Port (Cat. 5e jacks only)	Siemon CT® Series	Siemon MAX® Series	Ortronics Series II®	Ortronics TracJack®

*Note: *Catalog number indicated is gray, replace **"GY"** with the following to designate color: **"BK"** for Black, **"WA"** for White, **"I"** for Ivory.*

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Floor Boxes
Recessed 6-Gang Concrete Floor Boxes

ScrubShield™
Complies with UL514A   UL   CSA

Dimensions Inches (mm)	Stamped Steel	Cast Iron
Style	6-Gang	6-Gang
	LCFBSSA	LCFBCA
Min. Depth of Pour	3.50" (88.9)	3.65" (92.7)
Adjustability	Fully	Fully
Cubic Inch (cm³) Capacity Per Chamber	(4) at 38.2 cu. in. (626.0 cm³) (2) at 25.4 cu. in. (416.2 cm³)	(4) at 36.8 cu. in. (603.0 cm³) (2) at 25.4 cu. in. (416.2 cm³)
Dimensions – A	6.18" (157.0)	6.35" (161.3)
Dimensions – B	12.95" (328.9)	13.11" (333.0)
Dimensions – C	12.95" (328.9)	13.11" (333.0)
Threaded Access Holes – Per Chamber	–	(1) ¾" (1) 1¼"
Knockouts – Per Chamber	(1) Concentric 1", 1¼" (1) ¾"	–
Concrete Cover Included	✓	✓
Closure Plugs Included	–	✓
Cover Mounting Brackets Included	✓	✓

Notes: UL File Number E31999.
CSA File Number LR18416.

Floor Box Covers Recessed Floor Box Covers

Smooth Metallic Cover, Flange and Cable Doors for Carpet Applications	Cover Dimensions 10.30" x 10.30"	Aluminum Finish Brass Finish Black Gray	**LCFBCALTC LCFBCBRSTC LCFBCBKTC LCFBCGYTC**
Metallic Cover, Flange and Cable Doors for Carpet Applications – Carpet Insert Required	Cover Dimensions 10.30" x 10.30"	Aluminum Finish Brass Finish Black Gray	**LCFBCALC LCFBCBRSC LCFBCBKC LCFBCGYC**
Reinforced Non-Metallic Cover, Flange and Cable Doors for Carpet Applications – Carpet Insert Required	Cover Dimensions 10.30" x 10.30"	Black Brown Gray Ivory	**LCFBCBKA LCFBCBRA LCFBCGYA LCFBCIA**
Smooth Metallic Cover and Cable Doors for Tile Applications	Cover Dimensions 8.31" x 7.70"	Aluminum Finish Brass Finish Black Gray	**LCFBCALT LCFBCBRST LCFBCBKT LCFBCGYT**

Face Plates

LCFBP8	LCFBP26	LCFBP720	LCFBIM	LCFBP14
Duplex	Style Line®	Single Receptacle (for 1.56" boss dia.)	3-Unit iSTATION™ (See pages P-6 to P-11 for module options)	Blank

Floor Boxes
Recessed 3-Service Concrete Floor Boxes

ScrubShield™
Complies with UL514A

Dimensions Inches (mm)	Stamped Steel	Cast Iron
	3SFBSS	3SFBC
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully
Cubic Inch (cm^3) Capacity Per Chamber	22.4 cu. in. (367.1 cm^3)	21.6 cu. in. (354.0 cm^3)
Dimensions – A	2.88" (73.2)	3.00" (76.2)
Dimensions – B	12.20" (309.9)	12.88" (327.2)
Dimensions – C	5.52" (140.2)	6.00" (152.4)
Threaded Access Holes	–	Sides (2) ¾" Ends (1) 1¼" Center Area (1) 1¼" (each side)
Knockouts	Sides (2) ¾" Ends (1) 1" Center Area (1) Concentric 1", 1¼" (each side)	–
Concrete Cover Included	✓	✓
Closure Plugs Included	–	–

Notes: UL File Number E31999.
CSA File Number LR18416.

Recessed Floor Box Covers – Carpet Applications

Reinforced Non-Metallic Cover, Flange and Cable Doors – Carpet Insert Required – Dimensions 11.88" x 5.20"

3SFBCBRA	3SFBCIA	3SFBCGYA	3SFBCBKA
Brown	Ivory	Gray	Black

Face Plates

3SFBRP	3SFBDS	3SFBS	3SFBB	3SFBTP	3SFBIM
Duplex Knockout	Style Line® Opening	Single Receptacle Opening (for 1.39" boss dia.)	Blank	Voice/Data (2) Jack Knockouts (.6" x .75")	3-Unit iSTATION™ Opening (See pages P-6 to P-11 for module options)

Floor Boxes
Flush Floor Boxes for Wooden Floors

ScrubShield™
Complies with UL514A

Dimensions Inches (mm)		Rectangular Stamped Steel			Round Cast Iron	
		1-Gang	**2-Gang**	**3-Gang**	**1-Gang**	**1-Gang**
Collar Material Brass		B2481*	B2482	B2483	B2588*	B2588275*
Adjustability		Semi	Semi	Semi	Non	Non
Cubic Inch (cm³) Capacity Per Gang		42.0 cu. in. (658.3 cm³)	42.5 cu. in. (696.5 cm³)	42.5 cu. in. (696.5 cm³)	18.5 cu. in. (303.2 cm³)	18.5 cu. in. (303.2 cm³)
Dimensions – A		3.13" (79.5)	3.13" (79.5)	3.13" (79.5)	3.65" (92.7)	3.65" (92.7)
Dimensions – B		4.50" (114.3)	4.50" (114.3)	4.50" (114.3)	3.22" (81.8)	3.22" (81.8)
Dimensions – C		3.20" (81.3)	6.42" (163.1)	9.64" (244.9)	4.09" (103.9)	4.09" (103.9)
Threaded Access Holes		–	–	–	Bottom (2) ½"	Sides (2) ¾" Bottom (2) ½"
Knockouts – Sides		(1) ½", ¾", 1"	(2) ½", ¾", 1"	(3) ½", ¾", 1"	–	–
Knockouts – Ends		–	–	–	–	–
Knockouts – Bottom		(1) ½" - 1¼"	(2) ½" - 1¼"	(3) ½" - 1¼"	–	–
Debris Cover Included		✓	✓	✓	–	–
Closure Plugs Included		–	–	–	✓	✓
Removable LV Barrier		–	✓	✓	–	–

Notes: UL File Number E31999.
CSA File Number LR18416.
Suitable for single service applications only.

Rectangular Covers

Brass Aluminum Dimensions 4.15" x 2.99"	S3825 SA3825	S3625 SA3625	S3826 SA3826	S2425 SA2425	S2625 SA2625	S2825 –	S3425 –	S3813 SA3813
	Duplex Flap	Duplex Screw	Style Line® Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank

Round Covers / Round Flanges

Brass Aluminum 3.88" Dia.	S3925 SA3925	S3725 SA3725	S2525 SA2525	S2725 SA2725	S2925 SA2925	S3525 –	S3325 –	S3182 SA3182 5.25" Dia.	S3082 6.25" Dia.
	Duplex Flap	Duplex Screw	2⅛" x ¾" Comb.	2⅛" x 1" Comb.	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Rec. (Terrazzo Floor)		

Rectangular Flanges (Required) / One Piece Brass Cover and Carpet Flange

Brass Aluminum	SB3083W SA3083W	SB3084W SA3084W	SB3085W SA3085W	Brass 6.25" Dia.	SF3925	SF2525	SF2725	SF2925
Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"		Duplex Flap	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

Floor Boxes
Above-Floor Service Fittings (Single Service)

3.00"
(76.2)

2.62"
(66.5)

2.63"
(66.8)

4.38"
(111.3)

Hubbell offers a variety of above-floor service pedestals to satisfy just about any requirement. Large capacity enables a choice of services—you can even create your own unique pedestal to satisfy specific requirements. Above floor service fittings are ideal for furniture feed applications.

Pedestals – Metallic – LO-CON (single service only)

Traditional metallic pedestals with die-cast aluminum frame, brushed aluminum housing and stainless steel faceplates. These pedestals are offered as component parts. They mount on floor box covers or floor deck/duct systems with ¾-inch or 1-inch threaded openings.

SC3098A
SC3099A

SS309BF

SS309SF

SS309DS

SS309S

SS309D

SS309B

SS309T

Create Pedestal – Create your own pedestal to meet specific service requirements. Order housing, face plates and devices separately.

Description	Catalog Numbers
Frame, housing, ¾ in. chase nipple, without plates.	SC3098A
Frame, housing, 1 in. chase nipple, without plates.	SC3099A
Blank plate.	SS309B
Telephone bushing with 1 in. I.D. and (2) ⅜ in. KO for coax.	SS309T
Single receptacle plate with 1.39 in. (35.3) opening.	SS309S
Duplex receptacle plate.	SS309D
Style Line® plate.	SS309DS

Furniture Feed Plates – Use with SC3098A or SC3099A housings to feed furniture systems in office settings or display cases in retail applications.

Description	Catalog Numbers
Aluminum plate with ¾ in. trade size knockout.	SS309SF
Aluminum plate, blank.	SS309BF

Note: When using SS309SF on Hubbell's Lo-Con pedestals, SS309BF must be used on the opposite side.

Floor Boxes
Above-Floor Service Fittings (Single Service)

Pedestals – Specialized Service – Large Capacity Pedestals (single service only)

Designed to accommodate receptacles up to 50A (4-gang only). These brushed aluminum pedestals are furnished with either a ¾-inch or 1-inch hub and are designed for mounting to floor box covers with ¾-inch or 1-inch threaded openings. Create your own unique pedestal with a wide choice of stainless steel plates and devices.

Description (2-Gang Housing)	Catalog Numbers
2-gang (front and back) with ¾ in. hub.	SS6685
2-gang (front and back) with 1 in. hub.	SS6686

(Catalog Numbers: SA6685, SA6686)

Plate Option – 1-Gang

Description	Catalog Numbers
Duplex opening.	SS8
Style Line® opening.	SS26
Single receptacle opening – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	SS7
Single receptacle opening – boss diameter 1.55 to 1.58 in. (39.4 to 40.1).	SS720
Blank plate.	SS13

Description (4-Gang Housing)	Catalog Numbers
4-gang (2 front and 2 back), with ¾ in. hub.	SA6687
4-gang (2 front and 2 back), with 1 in. hub.	SA6688

Plate Option – 2-Gang

Description	Catalog Numbers
Two duplex openings.	SS82
Two Style Line® openings.	SS262
Two single receptacle openings – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	SS72
Single receptacle opening – boss diameter 2.41 to 2.44 in. (61.2 to 62.0).	SS701
Single receptacle opening – boss diameter 2.09 to 2.13 in. (53.1 to 54.1).	SS703
Blank plate.	SS23

2-Gang

2.88" (73.1)
2.50" (63.5)
5.63" (143.0)
1" (25.3)

SA6685
SA6686

SS7   SS720   SS26

4-Gang

4.69" (119.1)
2.50" (63.5)
5.63" (143.0)
1" (25.3)

SA6687
SA6688

SS82   SS701

SS262   SS703

SS72   SS23

Floor Boxes
Accessories

Replacement Adjustable Collar

C2400   C4200

Cover
Frame

Adjustable
Collar

Adapter

Box

Replacement Cover Frames

S5016   S5017A

Crown Plugs

S5012   S5013

Flush Cap Rings

S5010

Flush Plugs

S5007

Experiencing a problem? Let Hubbell accessories help solve it. Hubbell stacking (adjustable) collars are the answer if the box is set too low. Need a replacement? Choose from a full line of replacement covers and fittings. Hubbell accessories also help you with the protection you need for plugs and receptacles.

Problem Solvers and Replacement Components
Stacking (Adjustable) Collars and Frames.
Designed to be used if floor box is set too low beneath the floor surface or the adjustable collar and/or adapter on the box is damaged.

If the box number is . . .	Use Collar Number	Extension Value
B2429, B2427, B2436 or B2437	C2400*	.81" (20.5)
B2503, B2506	C2504*	1.06" (26.9)
B2529, B2536, B2527 or B2537	C2500*	1.06" (26.9)
B4233	C4200*	1.03" (26.2)
B4333	C4300*	1.03" (26.2)

*Notes: *Only available as sets (collars and adapters). In cases where the adapter on the floor box is not damaged, and only stacking is required, discard the adapter and use only the collar. The adjustable collars listed above can be stacked as required to reach the floor surface. Longer screws will be required if more than one collar is stacked (screws not provided). These screws are commercially available. Flat head #12-24UNC machine screw x (approx. length). Minor Upward Adjustments: Round or Rectangular cover frames (trim rings) may be stacked if the floor box is only slightly recessed below the floor surface.*

Replacement Components for Floor Box
Covers and Fittings

Box Type	Dimension	Use Flange Number	Extension Value
Round	4.19" (106.4) diameter	S5016 or SA5016	.31" (7.9)
Rectangular	3.19" (81.0) x 4.38" (111.2)	S5017A or SA5017A	.31" (7.9)

Crown Plugs

Description	Used in the following covers	Catalog Numbers Brass	Aluminum
¾" thread size.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	S5012	SA5012
1" thread size.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	S5013	SA5013

Flush Cap Rings

Description	Used in the following covers	Catalog Numbers Brass	Aluminum
2⅛" threaded plug with ¾" thread size opening.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	S5010	SA5010
2⅛" threaded plug with 1" thread size opening.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	S5025	SA5025

Flush Plugs

Description	Used in the following covers	Catalog Numbers Brass	Aluminum
¾" I.P.S. thread size.	F1339, F1340	S5002	–
1" I.P.S. thread size.	F1539	S5003	–
1½" fine thread size.	S3725, SA3725, S3625, SA3625	S5007	SA5007
2⅛" fine thread size.	S2925, SA2925, S88, S2930, S2955, SF2925, S2825	S5020	SA5020
2⅜" fine thread size.	S3525, S3425	S5030	–

Floor Boxes
Accessories

Problem Solvers and Replacement Components
Protective Ring for 2⅛ in. Threaded Covers

Description	Catalog Numbers
Provides mechanical and wet mop protection for plugs and receptacles (brass).	**S3061**

**Protective Ring for 2⅛"
Threaded Covers**

S3061

Theater Seating Floor Box

Description	Catalog Numbers
The theater seating floor box is nonadjustable and provides a ¾ in. threaded hub for conduit connection to theater aisle lights. It permits opening of the enclosure for wiring without disturbing above floor connections. Other features include a cast iron box with a corrosion-resistant finish and a blank steel cover. Knockouts: (¾ in. surface, ¾ in. sides, ¾ in. bottom) 18.80 cu. in. (380 cubic cm).	**F3185**

Theater Seating Floor Box

F3185

Adjustable Tops (Brass)
Brass Outlet Fittings for Conduit Systems.
Future requirements for floor outlets may be accommodated by systematically studding the floor with these fittings, all radiating from one or more floor boxes, from which any changes or additions may be subsequently made by the pulling of wires from box to the outlet. Adjustment tops are male connections to be mounted on elbow or tee fittings. They provide a pre-pour adjustment and an available connection for above-floor service heads.

Description	A	B	Catalog Numbers
¾ in. threaded conduit size (male).	1.25" (31.8)	1.44" (36.6)	**F1339**
1 in. threaded conduit size (male).	1.31" (33.3)	1.75" (44.5)	**F1539**

Note: Adjustment: ¾ in. and 1 in. fittings permit ½ in. vertical adjustment.

Adjustable Tops (Brass)

F1339   **F1539**

Adjustable Tops

Coupling (Brass)
Couplings are utilized for straight conduit connections when a floor box is not required. The conduit stub is brought to within approximately 1¼ in. of the planned surface, and the coupling is mounted and adjusted prior to the concrete pour. Standard service heads may be mounted to the couplings as required.

Description	A	B	Catalog Numbers
¾ in. threaded conduit size (female).	1.44" (36.6)	1.25" (31.8)	**F1340**

Coupling (Brass)

F1340

Accessories

Floor Boxes
Hubbell Floor Box Cover to Receptacle Compatibility Chart

ScrubShield™
Complies with UL514A

Cover Style		Terazzo (2⅛")	2⅜"	2⅛"	Duplex Flap	Duplex Plug	Style Line®
Round		S3325	S3525	S(A)2925 S(A)2725 S(A)2525	S(A)3925	S(A)3725	
Rectangular			S3425	S2825 S(A)2625 S(A)2425	S(A)3825	S(A)3625	S(A)3826
Rating	**NEMA Config.**						
2P, 3W 15A, 125V	5-15R	HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	HBL2152 IG2152 GF15L GFST15 HBL5260SA HBL5262SA
2P,3W 15A, 125V	L5-15R	HBL4710 IG4710	HBL4710 IG4710	HBL4710 IG4710	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	
2P, 3W 15A, 250V	6-15R	HBL5661 IG5661	HBL5661 IG5661	HBL5661 IG5661	HBL5652 HBL5662 IG5662	HBL5652 HBL5662 IG5662	
2P, 3W 15A, 250V	L6-15R	HBL4560 IG4560	HBL4560 IG4560	HBL4560 IG4560	HBL4550 IG4550A	HBL4550 IG4550A	
2P, 3W 15A, 277V	7-15R				HBL5302	HBL5302	
2P, 3W 15A, 277V	L7-15R	HBL4760	HBL4760	HBL4760	HBL4750	HBL4750	
2P, 3W 20A, 125V	5-20R	HBL5361 IG5361	HBL5361 IG5361	HBL5361 IG5361	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	HBL2162 IG2162 GF20L GFST20 HBL5360SA HBL5362SA
2P, 3W 20A, 125V	5-20R				HBL5392	HBL5392	
2P, 3W 20A, 125V	L5-20R	HBL2310 IG2310	HBL2310 IG2310	HBL2310 IG2310			
2P, 3W 20A, 250V	6-20R	HBL5461 IG5461	HBL5461 IG5461	HBL5461 IG5461	HBL5462 IG5462	HBL5462 IG5462	
2P, 3W 20A, 250V	L6-20R	HBL2320 IG2320	HBL2320 IG2320	HBL2320 IG2320			
2P, 3W 30A, 125V	L5-30R	HBL2610 IG2610	HBL2610 IG2610	HBL2610 IG2610			
2P, 3W 30A, 250V	L6-30R	HBL2620 IG2620	HBL2620 IG2620	HBL2620 IG2620			
3P, 4W, 20A 125/250V	14-20R	HBL8410	HBL8410	HBL8410			
	L14-20R	HBL2410 IG2410	HBL2410 IG2410	HBL2410 IG2410			
3P, 4W, 20A 3Ø 250V	15-20R	HBL8420	HBL8420	HBL8420			
	L15-20R	HBL2420 IG2420	HBL2420 IG2420	HBL2420 IG2420			
3P, 4W, 30A 125/250V	L14-30R	HBL2710 IG2710	HBL2710 IG2710	HBL2710 IG2710			
3P, 4W, 30A 3Ø 250V	L15-30R	HBL2720 IG2720	HBL2720 IG2720	HBL2720 IG2720			
3P, 4W, 30A 3Ø 600V	L17-30R	HBL2740	HBL2740	HBL2740			
4P, 5W, 20A 3Ø Y 120/208V	L21-20R	HBL2510 IG2510	HBL2510 IG2510	HBL2510 IG2510			
4P, 5W, 20A 3Ø Y 347/600V	L23-20R	HBL2530	HBL2530	HBL2530			
4P, 5W, 30A 3Ø Y 120/208V	L21-30R	HBL2810 IG2810	HBL2810 IG2810	HBL2810 IG2810			
4P, 5W, 30A 3Ø Y 347/600V	L23-30R	HBL2830	HBL2830	HBL2830			

HUBBELL ®
Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Floor Boxes
Hubbell SystemOne Configuration Chart

ScrubShield™ — Complies with UL514A   (UL) (CSA)

Sub-Plates			Non-Metallic Floor Box	Metal Floor Boxes			4" Core Hole* Fire-Rated Poke-Throughs		
			S1PFB	S1CFB	S1SFB	S1SFBAV	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line®/GFCI		③	③.5	③.5	③.5	✓+ (Single-Service)	✗	✓ (Multi-Service)
S1SPDU	Duplex/Duplex		③	③.5	③.5	③.5	✓+ (Single-Service)	✗	✓ (Multi-Service)
S1SPDUSL	Duplex/Style Line®		③	③.5	③.5	③.5	✓+ (Single-Service)	✗	✓ (Multi-Service)
S1SP4X4 S1SP4X4PA S1SP4X4SYS	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4		④	④	④	④	✗	✓+	✗
S1SPTL	Twist-Lock® Receptacle + Data		④	④	④	④	✗	✓+	✗
S1SP3IM	Hubbell Datacom + Power		⑤	⑤	⑤	⑤	✓	✗	✓+
S1SP4IM	Hubbell Datacom		③.5	③.5	③.5	③.5	✓	✗	✓+
S1SPDU2IM	Hubbell Datacom + Duplex		⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPSL2IM	Hubbell Datacom + Style Line®		⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPFFxx (Carpet) **S1SPFFTxx** (Tile)	Furniture Feed Cover/Flange (replace "xx" with BRS (brass), AL (aluminum), BL (black) or GY (gray).		③	③.5	③.5	③.5	✓	✗	✓+
S1SPEXT1	Extron® MAAP or FSR IPS + Power		④	④	④	④	✓	✗	✓+
S1SPEXT2	Extron AAP or FSR IPS + Power		④	④	④	④	✓	✗	✓+
S1SPEXT3	Extron or FSR IPS Single-Service		④.5	④.5	④.5	④.5	✓	✗	✓+
S1SPEXT4	Extron AAP + Flush Keystone + Power		④	④	④	④	✓	✗	✓+
S1SPORT	Ortronics Series II® + Power		⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPTRAC	Ortronics TracJack® + Power		⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPMAX	Siemon MAX® + Power		⑤	⑤	⑤	⑤	✓	✗	✓+
S1CFCxx SystemOne Carpet Cover	All SystemOne Floor Boxes and FRPTs accept the SystemOne Universal Covers (replace "xx" with BRS (brass), AL (aluminum), BL (black), GY (gray) or I (ivory).			Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.			✓+ Recommended Floor Fitting	✓ Alternative Floor Fitting	✗ Not Compatible
S1TFCxx SystemOne Tile Cover									

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Mini-Com® and Panduit® are registered trademarks of Panduit Corp.
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TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

*Note: * See section M for available products.*

Convention Center Utility Box

Public assembly facilities such as convention centers, exhibit halls and stadiums often require a diverse range of utility services including power, data, audio, video, voice, compressed air and water in open floor space. Hubbell's new UL Listed and CSA Certified box meets all of these requirements.

The internal components are custom manufactured to the end user's needs. The multiple enclosure types make it so the customer can choose the box that will fit their every need. The 32,000 lb. load capacity covers are designed to handle demanding applications.

Hubbell Exclusive!

Polyurethane Enclosure
Maximum corrosion resistance for on-grade applications. Large wiring space for maximum number of devices.

Stainless Steel Enclosure (14 Gauge 304)
Corrosion resistant enclosure suitable for both on and above-grade applications.

Painted Galvanized Steel Enclosure (14 Gauge G90)
Cost effective, corrosion resistant paint. Suitable for both on and above grade applications.

Features	Benefits
UL Listed and CSA Certified	Third party approved and certified.
Heavy Duty Covers	32,000 lb. load capacity.
Scrub Water	Meets UL514 requirements for scrub water and prevents water, dirt and debris from entering the electrical devices.
Custom Built Panels	Accepts a wide variety of electrical configurations including 100A pin and sleeve, 30A Twist-Lock® and straight blade devices.
Separate Enclosure for Compressed Air and Water Utilities	Prevents air and water utilities from coming in contact with electrical services.

Floor Boxes
Convention Center Utility Box
Non-Metallic Series

Galvanized steel concrete covers are provided with each box to protect the cast aluminum cover during the concrete pour.

The ⅜ inch thick box enclosure is constructed of polyurethane for rust, corrosion and moisture resistance. The material meets UL94 V-0 and 5VA flammability requirements.

Optional separate enclosure for water/compressed air provides maximum safety.

Angle steel frame provides structural support and is powder-coated for corrosion resistance.

Up to a 4 inch pull through conduit channel may be field cut.

Conduit feeds can be easily field cut to the specified conduit size.

The box can be easily leveled prior to the pour by simply adjusting the threaded rods.

Non-Metallic Convention Center Utility Box

Description	Catalog Numbers
Convention Center Utility Box with Cover for Power and Data/Communications.	HBLCCUBPD
Convention Center Utility Box with Cover for Power, Data/Communications and Air/Water Box.	HBLCCUBPDW

Power and Data Panels*

Custom manufactured and pre-wired to your project specifications. Panel options include 60A or 100A pin and sleeve, 20A and 30A Twist-Lock®, 20A GFCI, isolated ground or industrial straight blade devices. Optional circuit breaker protection is available. Up to two-gangs available for audio/video/data communication requirements. Both power and data panels are shipped separately after the boxes have been set in concrete.

*Note: * Contact Hubbell for available configurations of power and data panels.*

Stand Alone Power/Data Box
HBLCCUBPD

Circuit breaker panel.

Up to 6-gangs of 20A or 30A devices.

Up to 100A Pin & Sleeve device.

Skid resistant pattern.

Large hinged drop down cable access doors.

Power and low voltage are divided.

2 inch drain.

Weather-proof covers.

Heavy duty spring loaded recessed handles.

Floor Boxes
Convention Center Utility Box
Metallic Series

Painted Galvanized Steel Box

Stainless Steel Box

Separate enclosure to keep water away from electrical components.

Hooks for tying onto rebar.

2-gang low voltage compartment.

4 inch pre-pour adjustability.

Metallic Convention Center Utility Boxes*

Painted Galvanized Steel Box Description	Catalog Numbers
Steel Convention Center Utility Box with Cover for Power and Data/Communications.	HBLSCCUBPD
Steel Convention Center Utility Box with Cover for Power, Data/Communications and Air/Water Box.	HBLSCCUBPDW
Steel Convention Center Utility Box with Cover for Air/Water Only.	HBLSCCUBW

Stainless Steel Box Description	
Steel Convention Center Utility Box with Cover for Power and Data/Communications in Stainless Steel.	HBLSCCUBPDSS
Steel Convention Center Utility Box with Cover for Power, Data/Communications and Air/Water Box in Stainless Steel.	HBLSCCUBPDWSS
Steel Convention Center Utility Box with Cover for Air/Water Only in Stainless Steel.	HBLSCCUBWSS

*Note: *All boxes provided with galvanized steel concrete covers.*

Power and Data Panels**

Custom manufactured and pre-wired to your project specifications. Panel options include 60A or 100A pin and sleeve, 20A and 30A Twist-Lock®, 20A GFCI, isolated ground or industrial straight blade devices. Optional circuit breaker protection is available. Up to two-gangs available for audio/video/data communication requirements. Both power and data panels are shipped separately after the boxes have been set in concrete.

*Note: **Contact Hubbell for available configurations of power and data panels.*

Stand Alone Power/Data Box
HBLSCCUBPD

Inside View
HBLSCCUBW

Inside View
HBLSCCUBPD

Inside View
HBLSCCUBPDSS

Up to 2-gangs of data.

20A and 30A devices.

Circuit breakers.

Up to 100A Pin & Sleeve.

2 in. drain.

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Floor Boxes
Convention Center Utility Box
Dimensional Information

Non-Metallic Box

Stand Alone Power/Data
HBLCCUBPD

24.52" (622.8)
23.76" (603.5)
4X 3.38" (85.9)
36.86" (936.2)
4X 3.67" (93.2)
8.32" (211.3)
5.00" (127.0)
1.09" (27.7)
1.70" (43.2)
9.72" (246.9)
3.44" (87.4)
28.90" (735.1)
5.81" (147.6)
7.11" (180.6)
4.75" (120.7)

Combination Power/Data/Water
HBLCCUBPDW

38.23" (971.0)
6X 3.67" (93.2)
36.86" (936.2)
24.54" (623.3)
6X 3.38" (85.9)
8.32" (211.3)
5.00" (127.0)
1.09" (27.7)
1.70" (43.2)
9.72" (246.9)
3.44" (87.4)
25.50" (647.7)
16.81" (427.0)
28.90" (734.0)
8.5" (215.9)
5.81" (147.6)
7.11" (180.6)
4.75" (120.7)

Galvanized or Stainless Steel Metallic Box

Stand Alone Power/Data
HBLSCCUBPD (Galvanized)
HBLSCCUBPDSS (Stainless Steel)

2X 3.38" (85.9)
2X 3.67" (93.2)
23.51" (597.2)
24.27" (616.5)
13.47" (342.1)
13.46" (341.9)
6.00" (152.4)
6.44" (163.6)
0-4" (0-101.6) Adjustment
27.50" (698.50)
9.65" (245.11)
25.96" (659.4)
24.26" (616.2)
8.90" (226.1)
21.97" (558.0)

Combination Power/Data/Water
HBLSCCUBPDW (Galvanized)
HBLSCCUBPDWSS (Stainless Steel)

2X 13.47" (342.1)
4X 3.38" (85.9)
4X 3.67" (93.2)
23.51" (597.2)
24.27" (616.5)
29.48" (748.8)
0-4" (0-101.6) Adjustment
25.60" (650.2)
25.96" (659.4)

Stand Alone Water/Air Box
HBLSCCUBW (Galvanized)
HBLSCCUBWSS (Stainless Steel)

13.46" (341.9)
9.65" (245.1)
27.50" (698.5)
0-4" (0-101.6) Adjustment

Hubbell CONNEXION Zone Distribution System

Effective utilization of open space depends on the availability of power, communications and the ability to reconfigure the space with minimal down time. As infrastructure requirements change, conventional wiring systems fail to provide the flexibility required to support constantly changing personnel and ever evolving technologies. The Hubbell CONNEXION Zone Distribution System is a factory assembled, flexible, modular system that delivers power and data in raised floor installations. This unique system increases the value of the infrastructure and meets the challenges posed by new construction and renovation in commercial offices, retail outlets and educational facilities. By improving cable management, enhancing flexibility, and reducing administration expense, the CONNEXION Zone Distribution System allows for power and communications to be located where needed for efficient relocations and upgrades.

Zone Distribution Box
The Zone Distribution Box (ZDB) is the conversion point between hard wiring (conventional pipe and wire) done by the on-site electrical contractor and the pre-manufactured zone distribution system. All components are UL Listed to UL183 as "Manufactured Wiring System".

Extender Cables
The extender cable is the link between the zone distribution box and point of use furniture feeds and raised access floor boxes. Extender cables carry all 8 conductors to every point in the zone, offering the greatest degree of circuit capacity—all 8 wires go everywhere.

Splitter
A "one-in", "three-out" device that allows power to be distributed to more than one location without running cables back to the ZDB. This allows the potential to power up more than one furniture feed or floor box from a single ZDB feed.

HUBBELL ® Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Furniture Feed
Furniture feed boxes transition the Hubbell CONNEXION Zone Distribution System to 8-wire partitioned modular furniture or cubicle. The furniture feed can also be used as a junction box to convert zoned power back to conventional wiring.

Pre-wired and AFB Series Raised Access Floor Boxes
The Hubbell AFB Series of recessed, stamped steel boxes are suitable for the majority of raised floor applications providing the flexibility, accessibility, capacity and depth profiles needed. These multi-service boxes are available in 4- or 8-gang options in a variety of depth profiles. They utilize Hubbell modular screw type face plates and open systems modular connectivity face plates for delivering power, voice, and data. A single reversible metallic cover/flange assembly is supplied for both carpet and tile appications.

Use Splitters to avoid "Daisy Chaining" boxes.

Total cable length from ZDB to point-of-use of service not to exceed 80 ft.

Workstation size.

Keep the layout simple to eliminate confusion and facilitate installation.

Raised floor height.

10' (3048.0)

8' (2438.4)

1'-6" (487.7)

25' (7620.0)

24' (7315.2)

FURNITURE FEED
FIJB422
FIJB332

EXTENDER CABLE
EXT422xxFF8W
EXT332xxFF8W

SPLITTER MODULE
SPLITTER422
SPLITTER332

Keep the zones small (600 to 700 sq. ft.).

Locate ZDB in middle of zone.

RAISED ACCESS
FLOOR BOX
AFB101
AFB301
AFB401
AFB501

ZONE DISTRIBUTION BOX
PDCS42222
PDCS42231
PDCS332

Maximize use of equal length cables.

Floor Boxes
CONNEXION – Wiring Schematics

The CONNEXION System is offered in three common 20A per circuit wiring configurations to support the unique requirements of a building infrastructure. The basic system design to deliver all eight wires throughout the Network, consisting of hots, neutrals, grounds, and isolated grounds.

4/2/2 System Configuration (4-Hots, 2-Neutrals, 2-Grounds)

3 + 1 Wiring Configuration
Appropriate in areas where moderate amounts of sensitive equipment are used, and where separation from other circuits and isolated grounding are required.

- Three circuits share #10 AWG neutral to manage harmonics for general purpose.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 or 120/240 volt.
- 8-Wires (4 hots, 2 neutrals, 2 grounds).

4/2/2 System Configuration (4-Hots, 2-Neutrals, 2-Grounds)

2 + 2 Wiring Configuration
Appropriate in areas where a high concentration of sensitive equipment (computers, printers) is needed and minimal amounts of conventional equipment exist.

- Two circuits share #10 AWG neutral to manage harmonics for general purpose.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 or 120/240 volt.
- 8-Wires (4 hots, 2 neutrals, 2 grounds).

3/3/2 System Configuration (3-Hots, 3-Neutrals, 2-Grounds)

2 + 1 Wiring Configuration
Appropriate where either a 120/240 volt or 120/208 volt 3Ø Y power distribution system exists and separate neutral conductors are desired.

- Two circuits for general purpose.
- Isolated ground capability for sensitive equipment.
- Each circuit has its own neutral to manage harmonics.
- Component Rating: 20 amperes at 120/208 or 120/240 volt.
- 8-Wires (3 hots, 3 neutrals, 2 grounds).

Note: Contact factory for custom wiring configurations.

Floor Boxes
Zone Distribution Boxes and Pre-Wired Raised Access Floor Box Configuration

Expandable Zone Distribution Boxes — Catalog Numbers

4/2/2 System (2+2)	**PDCS42222**
4/2/2 System (3+1)	**PDCS42231**
3/3/2 System	**PDCS332**

Splitter Modules — Catalog Numbers

4/2/2 System	**SPLITTER422**
3/3/2 System	**SPLITTER332**

Extender Cable Female To Female — Catalog Numbers

4/2/2 System	**EXT422xxFF8W***
3/3/2 System	**EXT332xxFF8W***

Note: * Replace **xx** with "05" for 5 ft., "10" for 10 ft., "15" for 15 ft., "20" for 20 ft., "25" for 25 ft. and "30" for 30 ft. Custom lengths are available upon request.

Furniture Feed — Catalog Numbers

4/2/2 System	**FIJB422**
3/2/2 System	**FIJB332**

Cable Whip Male To Open — Catalog Numbers

4/2/2 System, 15 in.	**EXT42201MO8W**
3/3/2 System, 15 in.	**EXT33201MO8W**
4/2/2 System, 5 ft.	**EXT42205MO8W**
3/3/2 System, 5 ft.	**EXT33205MO8W**

Cable Whip Female To Open — Catalog Numbers

4/2/2 System, 15 in.	**EXT42201FO8W**
3/3/2 System, 15 in.	**EXT33201FO8W**
4/2/2 System, 15 ft.	**EXT42215FO8W**
3/3/2 System, 15 ft.	**EXT33215FO8W**

Pre-Wired Raised Access Floor Box Configuration

Step 1 – Select a Raised Floor Box Series

Box Series	Description	Dimensions	Cubic Inch Capacity	Conduit Knockouts
AFB301	4-Gang Deep w/ Metal Cover	10.00"L x 10.00"W x 4.0"H	4 x 29.5 (483.4)	½", ¾", 1", 1¼"
AFB401	4-Gang Shallow w/ Metal Cover	10.00"L x 10.00"W x 2.63"H	4 x 25.5 (417.9)	½", ¾"
AFB501	8-Gang Deep w/ Metal Cover	10.00"L x 10.00"W x 5.13"H	4 x 49.5 (811.2)	½", ¾", 1", 1¼"
AFB101	4-Gang Deep w/ Non-Metallic Cover	9.00"L x 7.00"W x 5.25"H	4 x 23.5 (385.1)	½", ¾", 1"

Step 2 – Use Device Selection Chart to Configure Gangs   (Configured Catalog Number)

Step 2A	If customer needs the 4-gang deep box:	AFB301
Step 2B	Choose 4/2/2 or 3/3/2 System {4 = 4/2/2, 3 = 3/3/2}	AFB3014
Step 2C	Gang 1 - Configure using selection chart	AFB3014A
Step 2D	Gang 2 - Configure using selection chart	AFB3014AE
Step 2E	Gang 3 - Configure using selection chart	AFB3014AEH
Step 2F	Gang 4 - Configure using selection chart	AFB3014AEHZ

Device Selection Chart

Catalog Letter	Description
A	Line 1, 20A Duplex (**CR5362GY**)
B	Line 1, 20A, IG Duplex (**CR5352IG**)
E	Line 2, 20A Duplex (**CR5362GY**)
F	Line 2, 20A, IG Duplex (**CR5352IG**)
I	Line 3, 20A Duplex (**CR5362GY**)
H	Line 3, 20A, IG Duplex (**CR5352IG**)
O	Line 4, 20A Duplex (**CR5362GY**)
P	Line 4, 20A, IG Duplex (**CR5352IG**)
Z	Unpopulated Gang, empty for install of tel/data.

Floor Boxes
Unloaded Raised Access Floor Boxes and Face Plates

Dimensions Inches (mm)	Metallic Cover			Non-Metallic Cover
Style	**4-Gang Deep**	**4-Gang Shallow**	**8-Gang Deep**	**4-Gang Deep**
Cover Color Black Gray	**AFB301BK**♦ **AFB301GNT**♦	**AFB401BK**♦ **AFB401GNT**♦	**AFB501BK**♦ **AFB501GNT**♦	**HBLAFB101BK*** **HBLAFB101GNT***
Max. Floor Thickness	2.75" (69.9)	1.88" (47.8)	3.75" (95.3)	2.00" (50.8)
Cubic Inch (cm³) Capacity Per Gang	29.5 cu. in. (483.4 cm³)	25.5 cu. in. (417.9 cm³)	49.5 cu. in. (811.2 cm³)	(2) 22.5 cu. in. (368.7 cm³) (2) 20.5 cu. in. (335.9 cm³)
Dimensions – A	4.00" (101.6)	2.62" (66.5)	5.12" (130.0)	5.18" (131.6)
Dimensions – B	10.00" (254.0)	10.00" (254.0)	10.00" (254.0)	9.00" (228.6)
Dimensions – C	10.00" (254.0)	10.00" (254.0)	10.00" (254.0)	7.00" (177.8)
Cover Flange Dimensions	12.00" x 12.00"	12.00" x 12.00"	12.00" x 12.00"	10.62" x 8.62"
Knockouts – Sides	(1) ½", (2) ½" & ¾", (4) 1¼" trade size	(1) ½", (6) ½" & ¾" trade size	(1) ½", (2) ½" & ¾", (4) 1¼" trade size	(4) ½" & ¾", (4) ¾" & 1" trade size
Knockouts – Bottom	(4) ¾" & 1" trade size	(4) ¾" & 1" trade size	(4) ¾" & 1" trade size	(4) ¾" & 1" trade size
Cover and Flange Included (Carpet or tile application)	✓	✓	✓	✓
Floor Tile Cut-Out	10.25" x 10.25"	10.25" x 10.25"	10.25" x 10.25"	9.00" x 7.00"

Notes: UL File Number E197203.
CSA File Number LR702145.

Replacement Metallic Cover and Flange

Description	Dimensions	Color	Catalog Numbers
Cover and Flange	12"W x 12"L	Gray	**HBLTCGNT**
Cover and Flange	12"W x 12"L	Black	**HBLTCGNTBK**

HBLTCGNT

Replacement Non-Metallic Cover and Flange

Description	Dimensions	Color	Catalog Numbers
Cover and Flange	7"W x 9"L	Gray	**HBLAFB101TCGNT***
Cover and Flange	7"W x 9"L	Black	**HBLAFB101TCBK***

Notes: ♦For City of Chicago approved versions, use following part numbers: HBLAFB301BASEC,
HBLAFB401BASEC and HBLAFB501BASEC. Cover must be ordered separately
(i.e., HBLTCGNT and HBLTCGNTBK). These versions do not include knockouts and
meet construction requirements for CCEA-2000.
AFB covers are reversible for both carpet recess and flush tile applications.
* Insert for flush tile applications included. Remove insert for carpet recess.

HBLAFB101TCGNT*

Hubbell – Screw Type Face Plates*

HBLST302SGY	HBLDE301SGY	HBLT0310SGY	HBLTL318GY	HBLTL319SGY	HBLBL300SGY	HBLIMFSGY	HBL317SGY
Duplex	Style Line®	Toggle	Single Receptacle (1.56" Boss Dia.)	Single Receptacle (1.39" Boss Dia.)	Blank	Hubbell iSTATION™ (See pages P-6 to P-11 for module options)	Hubbell 6-Port

Open Systems – Screw Type Face Plates*

HBLAM303SGY	HBLAMP313SGY	HBLKR314SGY	HBLLT309SGY	HBLPA308SGY	HBLNO309SGY	HBLSI305SGY	HBLSI315SGY	HBLOR306SGY	HBLORT322SGY
AMP-ACO	AMP 6-Port	Krone®/Leviton®	SYSTIMAX®	Panduit Mini-Com®	NORDX® 6-Port (Cat. 5e jacks only)	Siemon CT® Series	Siemon MAX® Series	Ortronics Series II®	Ortronics TracJack®

Note: *Catalog number indicated is gray, replace “GY” with the following to designate color: “BK” for Black, “WA” for White, “I” for Ivory.

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TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Furniture Connectivity Boxes

This family of furniture connectivity boxes installs into conference tables and individual workstations to bring power, voice, data, and multimedia directly to the point of use. In addition, they offer an aesthetic design with improved cable management. Now, users can plug in laptop computers for both power and data at the desktop level - no more crawling under the table or moving obstacles to get to the electrical outlet and network connectivity.

Flush Mount Boxes
Hubbell offers square and rectangular flush mount boxes in 2- and 4-gang configurations. These boxes are available with either stainless steel or granite finish covers that conveniently flip-down to store inside the box when in use. Boxes feature adjustable restraints to simplify the installation. The low voltage divider is field configurable for maximum flexibility.

Surface Mount Boxes
For applications where surface mount installation is desired, Hubbell offers low profile 2- and 3-gang designs. The angled profile compliments desktop environments. The powder coated 16-gauge steel enclosure with granite finish provides durability without sacrificing aesthetics.

Recessed Mount Boxes
Hubbell offers 4- and 8-gang boxes for recessed table-top installations. The convenient 90-degree design provides improved cable management for power and data cords. Boxes feature screw down design for secure installation. The granite finish compliments any décor.

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Floor Boxes
Furniture Connectivity Boxes

Square Flush Mount Boxes

Description	Catalog Numbers
2-Gang Square Flush Mount Box w/ Cover, Crinkle Black Finish.	HBLSHA2
2-Gang Square Flush Mount Box w/ Cover, Stainless Steel.	HBLSHA2BSS

HBLSHA2*

Rectangular Flush Mount Boxes

Description	Catalog Numbers
2-Gang Rectangular Flush Mount w/ Cover, Crinkle Black Finish.	HBLPHA2
4-Gang Rectangular Flush Mount w/ Cover, Crinkle Black Finish.	HBLPHA4
2-Gang Rectangular Flush Mount w/ Cover, Stainless Steel.	HBLPHA2BSS
4-Gang Rectangular Flush Mount w/ Cover, Stainless Steel.	HBLPHA4BSS

HBLPHA2*

Surface Mount Boxes

Description	Catalog Numbers
2-Gang Surface Mount Box, Crinkle Black Finish.	HBLCON2
3-Gang Surface Mount Box, Crinkle Black Finish.	HBLCON3

HBLCON2*

Recessed Mount Boxes

Description	Catalog Numbers
4-Gang Recessed Mount, Crinkle Black Finish.	HBLMIR2
8-Gang Recessed Mount, Crinkle Black Finish.	HBLMIR4

HBLMIR2*

Under Desk Mount Boxes

Description	Catalog Numbers
2-Gang, Under Desk Mount, Crinkle Black Finish.	HBLMAR2
3-Gang, Under Desk Mount, Crinkle Black Finish.	HBLMAR3

HBLMAR2*

Hubbell – Screw Type Face Plates

Description	Color	Catalog Numbers
Hubbell 6-Port.	Black	HBL317SBK**
Single Receptacle Opening (1.39 in. Diameter).	Black	HBLTL319SBK**
Single Receptacle Opening (1.56 in. Diameter).	Black	HBLTL318SBK**
Hubbell iSTATION™ Module.	Black	HBLIMFSBK**
Duplex Opening.	Black	HBLST302SBK**
Toggle.	Black	HBLTO310SBK**
Style Line® Rectangular.	Black	HBLDE301SBK**
Blank.	Black	HBLBL300SBK**

HBL317SBK   HBLTL319SBK

HBLTL318SBK   HBLIMFSBK

HBLST302SBK   HBLTO310SBK

HBLDE301SBK   HBLBL300SBK

Notes: *Devices shown must be ordered separately. See section A for power devices and section P
for datacom accessories.
Catalog number indicated is black, replace **"BK" with the following to designate color:
"GY" for Gray, **"I"** for Ivory and **"WA"** for White.
For open systems plate options, see page L-33.

Recessed Wall Boxes
Multi-Connect – Recessed Wall Boxes and Flanges

Multi-Connect – Recessed Wall Boxes and Flanges

1-Gang   **2-Gang**

3-Gang

4-Gang

6-Gang

Multi-Service Recessed Wall Boxes for Drywall Applications

Description	Catalog Numbers
Multi-service recessed wall box, 1-gang, for drywall applications.	**HBLWSCS1**
Multi-service recessed wall box, 2-gang, for drywall applications.	**HBLWSCS2**
Multi-service recessed wall box, 3-gang, for drywall applications.	**HBLWSCS3**
Multi-service recessed wall box, 4-gang, for drywall applications.	**HBLWSCS4**
Multi-service recessed wall box, 6-gang, for drywall applications.	**HBLWSCS6**
Barrier for use with above boxes when used in multi-service applications.	**HBLSCSBW**

Low Voltage Recessed Wall Boxes for Drywall Applications

Description	Catalog Numbers
Low voltage recessed wall box, 2-gang, for drywall applications.	**HBLWSCS2MMO**
Low voltage recessed wall box, 3-gang, for drywall applications.	**HBLWSCS3MMO**
Low voltage recessed wall box, 4-gang, for drywall applications.	**HBLWSCS4MMO**
Low voltage recessed wall box, 6-gang, for drywall applications.	**HBLWSCS6MMO**

Multi-Service Recessed Wall Boxes for Masonry Applications

Description	Catalog Numbers
Multi-service recessed wall box, 1-gang, for masonry applications.	**HBLWSCS1MBD**
Multi-service recessed wall box, 2-gang, for masonry applications.	**HBLWSCS2MBD**
Multi-service recessed wall box, 3-gang, for masonry applications.	**HBLWSCS3MBD**
Multi-service recessed wall box, 4-gang, for masonry applications.	**HBLWSCS4MBD**
Multi-service recessed wall box, 6-gang, for masonry applications.	**HBLWSCS6MBD**
Barrier for use with above boxes when used in multi-service applications.	**HBLSCSBMBD**

1-Gang   **2-Gang**

3-Gang

4-Gang

6-Gang

Wall Box Flanges – Trim Rings

Description	Color	Catalog Numbers
Wall box flange for 1-gang boxes.	Black	**HBLTRIM1WBK**
	Gray	**HBLTRIM1WGY**
	Ivory	**HBLTRIM1WI**
	White	**HBLTRIM1WWA**
Wall box flange for 2-gang boxes.	Black	**HBLTRIM2WBK**
	Gray	**HBLTRIM2WGY**
	Ivory	**HBLTRIM2WI**
	White	**HBLTRIM2WWA**
Wall box flange for 3-gang boxes.	Black	**HBLTRIM3WBK**
	Gray	**HBLTRIM3WGY**
	Ivory	**HBLTRIM3WI**
	White	**HBLTRIM3WWA**
Wall box flange for 4-gang boxes.	Black	**HBLTRIM4WBK**
	Gray	**HBLTRIM4WGY**
	Ivory	**HBLTRIM4WI**
	White	**HBLTRIM4WWA**
Wall box flange for 6-gang boxes.	Black	**HBLTRIM6WBK**
	Gray	**HBLTRIM6WGY**
	Ivory	**HBLTRIM6WI**
	White	**HBLTRIM6WWA**

Note: See page L-38 for dimensional data.

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Recessed Wall Boxes
Multi-Connect – Screw and Snap-In Modular Face Plates

Multi-Connect – Screw and Snap-In Modular Face Plates

Color	Catalog Numbers					
Black	HBLST302SBK	HBLDE301SBK	HBLTO310SBK	HBLBL300SBK	HBL317SBK	HBLIMFSBK*
Gray	HBLST302SGY	HBLDE301SGY	HBLTO310SGY	HBLBL300SGY	HBL317SGY	HBLIMFSGY*
Ivory	HBLST302SI	HBLDE301SI	HBLTO310SI	HBLBL300SI	HBL317SI	HBLIMFSI*
White	HBLST302SWA	HBLDE301SWA	HBLTO310SWA	HBLBL300SWA	HBL317SWA	HBLIMFSWA*
	Duplex	**Style Line®**	**Toggle**	**Blank**	**Hubbell 6-Port**	**Hubbell iSTATION™**

Color	Catalog Numbers					
Black	HBLTL318SBK	HBLTL319SBK	HBLAMP313SBK	HBLAM303SBK	HBLKR314SBK	HBLLT309SBK
Gray	HBLTL318SGY	HBLTL319SGY	HBLAMP313SGY	HBLAM303SGY	HBLKR314SGY	HBLLT309SGY
Ivory	HBLTL318SI	HBLTL319SI	HBLAMP313SI	HBLAM303SI	HBLKR314SI	HBLLT309SI
White	HBLTL318SWA	HBLTL319SWA	HBLAMP313SWA	HBLAM303SWA	HBLKR314SWA	HBLLT309SWA
	Single Recept. (1.56 in. Boss Dia.)	**Single Recept. (1.39 in. Boss Dia.)**	**AMP 6-Port**	**AMP-ACO**	**Krone®/Leviton®**	**SYSTIMAX®**

Color	Catalog Numbers					
Black	HBLNO309SBK	HBLOR306SBK	HBLORT322SBK	HBLPA308SBK	HBLSI305SBK	HBLSI315SBK
Gray	HBLNO309SGY	HBLOR306SGY	HBLORT322SGY	HBLPA308SGY	HBLSI305SGY	HBLSI315SGY
Ivory	HBLNO309SI	HBLOR306SI	HBLORT322SI	HBLPA308SI	HBLSI305SI	HBLSI315SI
White	HBLNO309SWA	HBLOR306SWA	HBLORT322SWA	HBLPA308SWA	HBLSI305SWA	HBLSI315SWA
	NORDX® 6-Port (For Cat. 5e jacks only)	**Ortronics Series II®**	**Ortronics TracJack®**	**Panduit®**	**Siemon CT® Series**	**Siemon MAX® Series**

Notes: Catalog numbers listed above are traditional screw type.
For snap-in style plates eliminate **"S"** suffix from catalog number (**HBLST302SGY** – screw type. **HBLST302GY** – snap-in type).
*See pages P-6 to P-11 for complete iSTATION™ module product offering.

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Multi-Connect – Dimensional Information

Multi-Connect – Dimensional Information

Hubbell Type	Height	Width	Depth	Gangs
HBLWSCS1	4.44" (112.8)	2.56" (65.0)	2.75" (69.8)	1
HBLWSCS2	4.44" (112.8)	4.56" (115.8)	2.75" (69.8)	2
HBLWSCS3	4.44" (112.8)	6.56" (166.6)	2.75" (69.8)	3
HBLWSCS4	4.44" (112.8)	8.56" (217.4)	2.75" (69.8)	4
HBLWSCS6	4.44" (112.8)	12.56" (319.0)	2.75" (69.8)	6
HBLWSCS2MMO	4.88" (123.8)	4.75" (120.7)	3.50" (88.9)	2
HBLWSCS3MMO	4.88" (123.8)	6.75" (171.4)	3.50" (88.9)	3
HBLWSCS4MMO	4.88" (123.8)	9.25" (235.0)	3.50" (88.9)	4
HBLWSCS6MMO	4.88" (123.8)	13.25" (336.6)	3.50" (88.9)	6
HBLWSCS1MBD	4.88" (123.8)	2.75" (69.9)	3.50" (88.9)	1
HBLWSCS2MBD	4.88" (123.8)	4.79" (120.7)	3.50" (88.9)	2
HBLWSCS3MBD	4.88" (123.8)	6.75" (171.4)	3.50" (88.9)	3
HBLWSCS4MBD	4.88" (123.8)	9.25" (235.0)	3.50" (88.9)	4
HBLWSCS6MBD	4.88" (123.8)	13.25" (336.6)	3.50" (88.9)	6
HBLTRIM1W	6.75" (171.4)	4.25" (107.9)	.25" (6.3)	1
HBLTRIM2W	6.75" (171.4)	6.25" (158.7)	.25" (6.3)	2
HBLTRIM3W	6.75" (171.4)	8.25" (209.5)	.25" (6.3)	3
HBLTRIM4W	6.75" (171.4)	10.25" (260.3)	.25" (6.3)	4
HBLTRIM6W	6.75" (171.4)	13.25" (336.5)	.25" (6.3)	6

Cable Access Knockouts and Openings

Hubbell Type	Quantity	Size	Location	Type
HBLWSCS1MBD	2	½" x ¾"	Top & Bottom	Knockouts
HBLWSCS2MBD	4	½" x ¾"	Top & Bottom	Knockouts
HBLWSCS3MBD	6	½" x ¾"	Top & Bottom	Knockouts
HBLWSCS4MBD	8	½" x ¾"	Top & Bottom	Knockouts
HBLWSCS6MBD	12	½" x ¾"	Top & Bottom	Knockouts
HBLWSCS2MMO	1	2"	Top & Bottom	Opening
HBLWSCS3MMO	1	1¼"	Side	Knockouts
	1	1¼"	Top	Opening
	4	½" x ¾"	Top	Knockouts
	1	2"	Bottom	Opening
HBLWSCS4MMO	1	1¼"	Side	Knockouts
	2	1¼"	Top	Openings
	4	½" x ¾"	Top	Knockouts
	1	2"	Bottom	Opening
	1	½" x ¾"	Bottom	Knockouts
	1	¾" x 1"	Bottom	Knockouts
HBLWSCS6MMO	1	1¼"	Side	Knockouts
	3	1¼"	Top	Openings
	6	½" x ¾"	Top	Knockouts
	2	2"	Bottom	Openings
	1	½" x ¾"	Bottom	Knockouts
	1	¾" x 1"	Bottom	Knockouts
HBLWSCS1	1	½" x ¾"	Top & Bottom	Knockouts
HBLWSCS2	2	½" x ¾"	Top & Bottom	Knockouts
HBLWSCS3	3	½" x ¾"	Top & Bottom	Knockouts
HBLWSCS4	3	½" x ¾"	Top & Bottom	Knockouts
	1	¾" x 1"	Top & Bottom	Knockouts
HBLWSCS6	4	½" x ¾"	Top & Bottom	Knockouts
	1	¾" x 1"	Top & Bottom	Knockouts

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Section M
Fire-Rated Poke-Throughs

Index

Hubbell SystemOne Dual Style Line® Application

Hubbell SystemOne Multimedia

Hubbell SystemOne Twist-Lock®

Hubbell SystemOne Furniture Feed

Hubbell Fire-Rated Poke-Throughs

Featuring the innovative capabilities of Hubbell's SystemOne Delivery System line, Hubbell has expanded its offering of Fire-Rated Poke-Through (FRPT) products, making it the most extensive in the industry. Hubbell SystemOne FRPTs install in a 4" core hole and provide users the flexibility to create personal solutions for their most demanding applications.

For those requiring a 3" diameter FRPT, Hubbell continues to provide a wide variety of traditional solutions for flush, pedestal and furniture feed applications. All Hubbell FRPT products include a "step-down" feature, enabling wiring, installation and if necessary, removal from the floor above.

Whatever combination of power, data and audio/video connections are required, Hubbell provides the answer; bringing consistent, aesthetic and functional solutions to the workstation.

Hubbell SystemOne FRPTs for 4" core hole applications…

Multi-Service Applications
This Hubbell SystemOne sub-plate incorporates two Style Line® rectangular openings. These can be used for a variety of power and/or data applications. It will accommodate 15 or 20 amp, standard, isolated ground, GFCI or surge protected receptacles. Using communication frames it can provide up to a 6-port multi-service or a 12-port all communication solution.

Multimedia Applications
Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio and video markets. Some sub-plates provide power outlets with Hubbell's audio/video products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series audio/video modules.

4X4 Applications
Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for Hubbell's Snap Fit, flush mount modular jacks and audio/video connectors.

Extron® is a registered trademark of Extron Electronics.

Traditional FRPTs for 3" and 2" core hole applications…

Flush Applications
Hubbell offers a variety of single and multi-service flush fire-rated poke-through products. It incorporates a Hubbell Style Line®, 20 amp, duplex receptacle and two Hubbell Category 5e data jacks. The jacks mount flush to the cover for an unobtrusive appearance. Various colors and all brass versions are available.

Pedestal Applications
Hubbell offers single and multi-service pedestal style FRPTs for those applications requiring above-the-floor connections. Available in 2-, 4- or 6-gang sizes, pedestal FRPTs provide more power and low voltage connections to the desktop than most flush configurations in a 3-inch core hole.

Furniture Feed Applications
Hubbell offers single and multiple service flush and pedestal style FRPTs that deliver power and voice/data cabling to feed furniture systems. Various models can feed up to 2 inch conduit and can accommodate up to 36 Category 5e data cables.

Fire-Rated Poke-Throughs
Hubbell SystemOne
4-Inch Core Hole

ScrubShield™
c (UL) us
Complies with UL514A

Hubbell SystemOne Through-Floor Fittings

Step down installation clips allow the fitting to be installed or removed from the floor above.

Fire barrier expands during fire conditions to maintain the floor's fire rating.

Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 in.

Features E.M.T. conduit tubes for increased cable capacity.

- Accepts all Hubbell SystemOne covers and sub-plates.

- Excellent solution for both retrofit and new construction.

- Brings power, voice, data and multimedia precisely where needed.

- Installs in 4 inch core hole.

- UL listed for use in 1 – 4 hour fire rated floors.

- UL installation spacing. Minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area.

- Approved for use in the City of Chicago.

Hubbell SystemOne Universal Cover

Hinged doors open 180 degrees flush to the carpet flange or tile.

Screws allow each door to be secured independently.

Universal carpet or tile flange can be used for Hubbell SystemOne Fire-Rated Poke-Through Floor Box.

- Cast aluminum construction available in durable black, gray, brass, aluminum and ivory powder coat finishes.

- Features ScrubShield™ technology that exceeds UL514C scrub water exclusion requirements.

- Provides consistent look and maximum functionality throughout the installed life.

Hubbell SystemOne Sub-Plates

While no one can predict the future, Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, adds and changes.

- Durable cast aluminum, powder coat construction.

- Hubbell 4X4: four 20A, 125V receptacles, four openings for voice/data jacks and multimedia connectors.

- Hubbell iSTATION™ front loading modular connectivity.

- Accommodates Extron® Electronics Architectural Series audio/video system integration products.

- Accommodates GFCI, surge and standard Style Line® receptacles.

- Twist-Lock® receptacle with flush keystone jack openings.

- Large capacity and multi-service furniture feed applications.

- Ortronics®, Siemon™, Panduit®, SYSTIMAX® and keystone options enable maximum data flexibility (not shown).

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Panduit® is a registered trademark of Panduit Corp.
SYSTIMAX® is a registered trademark of CommScope, Inc.
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Fire-Rated Poke-Throughs
Hubbell SystemOne FRPT
4-Inch Core Hole One-Piece Units

ScrubShield™

Complies with UL514A

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Hubbell SystemOne FRPT – One-Piece Units

Description	Color	Catalog Numbers
One-Piece 4X4 Poke-Through Assembled-unit includes Hubbell SystemOne 4X4 floor fitting **(S1PT4X4FIT)** with four pre-wired 20A, 125V receptacles and four keystone opening sub-plate **(S1SP4X4)** to accept Hubbell modular jacks and flush multimedia Snap Fit connectors. Receptacles feature single or two circuit wiring, as well as isolated ground capability. Finish flange and universal carpet cover **(S1CFC)** assembly are supplied in aluminum, brass, black or gray finishes. *Note: See page M-14 for technical information.*	Aluminum Finish Brass Finish Black Finish Gray Finish	**S1PT4X4AL** **S1PT4X4BRS** **S1PT4X4BL** **S1PT4X4GY**
One-Piece Dual Style Line® Poke-Through Assembled-unit includes a Hubbell SystemOne dual channel floor fitting **(S1PTFIT)** and two Style Line® opening sub-plate **(S1SP)** to accept two Style Line® or one surge or GFCI receptacle and one Style Line® receptacle. Additionally, outlet frames can be used to convert the application to a 6-port multi-service or a 12-port all communication solution. Finish flange and universal carpet cover **(S1CFC)** assembly are supplied in aluminum, brass, black or gray finishes. *Note: See page M-15 for technical information.*	Aluminum Finish Brass Finish Black Finish Gray Finish	**S1PTAL** **S1PTBRS** **S1PTBL** **S1PTGY**
One-Piece Modular A/V Poke-Through Assembled-unit includes a Hubbell SystemOne A/V floor fitting **(S1PTAVFIT)** and a Hubbell SystemOne sub-plate **(S1SP3IM)** to provide a 20A, 125V power outlet and a recessed 3-unit iSTATION™ opening. This comprehensive data/voice/audio/and video solution can accommodate 15-pin VGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Finish flange and universal carpet cover **(S1CFC)** assembly are supplied in aluminum, brass, black or gray finishes. *Note: See page M-16 for technical information.*	Aluminum Finish Brass Finish Black Finish Gray Finish	**S1PT3IMAL** **S1PT3IMBRS** **S1PT3IMBL** **S1PT3IMGY**
One-Piece Furniture Feed Poke-Through Assembled-unit includes a Hubbell SystemOne A/V floor fitting **(S1PTAVFIT)** and a Hubbell SystemOne Furniture Feed Cover Plate **(S1SPFFxx)**. This solution provides one ¾ in. conduit opening for power and one 1½ in. conduit opening for low-voltage. Available in aluminum, brass, black or gray finishes. Furnished with two screw-in flexible metal conduit connectors. *Note: See page M-17 for technical information.*	Aluminum Finish Brass Finish Black Finish Gray Finish	**S1PTFFAL** **S1PTFFBRS** **S1PTFFBL** **S1PTFFGY**

Aluminum Finish

Brass Finish

Black Finish

Gray Finish

Integral Junction Box for FRPTs

Available Q3 2008

Fire-Rated Poke-Throughs
Hubbell SystemOne FRPT
4-Inch Core Hole Three-Piece Units

ScrubShield™

Complies with UL514A

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Hubbell SystemOne FRPT – Three-Piece Units

Description	Catalog Numbers
4X4 Through Floor Fitting	**S1PT4X4FIT**
Through floor fitting with two ¾ in. E.M.T. for communications and one ¾ in. E.M.T. for power. For use with Hubbell SystemOne Universal Covers and **S1SP4X4** and **S1SPTL** series sub-plates **only**. Universal cover and sub-plate ordered separately.	
N*ote: See page M-14 for technical information.*	
Dual Channel Through Floor Fitting	**S1PTFIT**
Through floor fitting with two 1 in. E.M.T. trade size conduit stems to feed power and communication services. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates **except S1SP4X4** and **S1SPTL** series. Universal cover and sub-plate ordered separately.	
Note: See page M-15 for technical information.	
A/V Through Floor Fitting	**S1PTAVFIT**
Through floor fitting with one ¾ in. E.M.T. trade size conduit stem for power and one 1½ in. E.M.T. trade size conduit stem for communication services. Ideal for demanding, large capacity audio/video and data requirements. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates **except S1SP4X4** and **S1SPTL** series. Universal cover and sub-plate ordered separately.	
Note: See page M-16 for technical information.	

Integral Junction Box for FRPTs

Available Q3 2008

Hubbell SystemOne Universal Covers Not required for furniture feed applications (see page M-7).

Universal cover assembly installs on the Hubbell SystemOne fire-rated poke-through floor fittings and acommodates all Hubbell SystemOne sub-plates for carpet and tile applications.
Note: See page M-18 for technical information.

Carpet Assembly Covers

S1CFCAL	S1CFCBRS	S1CFCBL	S1CFCGY	S1CFCI
Aluminum Finish	Brass Finish	Black Finish	Gray Finish	Ivory Finish

Tile Assembly Covers

S1TFCAL	S1TFCBRS	S1TFCBL	S1TFCGY	S1TFCI
Aluminum Finish	Brass Finish	Black Finish	Gray Finish	Ivory Finish

Hubbell SystemOne Fire-Rated Poke-Through Accessories

Description	Color	Catalog Numbers
Use with Hubbell SystemOne 4-inch core hole Poke-Throughs to cover the opening when FRPT is abandoned. Cover, Flange and Sub-Plate are removed and through-floor fitting remains.	Gray	**S1AP4GY**
	Black	**S1AP4BL**
This plug seals 4-inch core hole when FRPT is no longer required and the through-floor fitting is removed. Maintains the floor's 1–4 hour fire rating.	Gray	**S1FRP4GY**
	Black	**S1FRP4BL**

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Fire-Rated Poke-Throughs
Hubbell SystemOne Sub-Plates

ScrubShield™
Complies with UL514A

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Hubbell SystemOne Sub-Plates

Description	Catalog Number
Style Line®/GFCI	**S1SP**

(2) Style Line® openings for power and/or datacom applications. Use with **S1PTFIT** (recommended) or **S1PTAVFIT**.

Description	Catalog Number
Duplex/Duplex	**S1SPDU**

(2) Duplex openings for power and/or datacom applications. Use with **S1PTFIT** (recommended) or **S1PTAVFIT**.

Description	Catalog Number
Duplex/Style Line®	**S1SPDUSL**

(1) Duplex and (1) Style Line® opening for power and/or datacom applications. Use with **S1PTFIT** (recommended) or **S1PTAVFIT**.

Description	Catalog Number
Hubbell 4 X 4	**S1SP4X4**

(4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush A/V connectors. Use with **S1PT4X4FIT** only.

Description
Carpet Furniture Feed Cover/Flange*

Color	Catalog Number
Brass	**S1SPFFBRS**
Aluminum	**S1SPFFAL**
Black	**S1SPFFBL**
Gray	**S1SPFFGY**

(1) ¾" & (1) 1½" N.P.T. plugs for power and/or datacom applications. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**. **Universal Cover not required. Includes carpet flange.**

Description
Tile Furniture Feed Cover/Flange*

Color	Catalog Number
Brass	**S1SPFFTBRS**
Aluminum	**S1SPFFTAL**
Black	**S1SPFFTBL**
Gray	**S1SPFFTGY**

(1) ¾" & (1) 1½" N.P.T. plugs for power and/or datacom applications. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**. **Universal Cover not required. Includes tile flange.**

Description	Catalog Number
Single Receptacle + Data	**S1SPTL**

20 or 30A Twist-Lock® receptacle (1.56" OD). (2) Keystone openings for Hubbell jacks or flush A/V connectors. Use with **S1PT4X4FIT** only.

Description	Catalog Number
Hubbell DataCom + Power	**S1SP3IM**

(1) 20A, 125V receptacle. 3-unit recessed iSTATION™ opening for data, voice, and A/V applications. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Hubbell DataCom + Duplex	**S1SPDU2IM**

(1) Duplex opening, (2) flush Keystone openings and 1.5-unit recessed iSTATION™ opening for data, voice and A/V applications. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Hubbell DataCom + Style Line®	**S1SPSL2IM**

(1) Style Line® opening, (2) flush Keystone openings and 1.5-unit recessed iSTATION™ opening for data, voice and A/V applications. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Hubbell DataCom	**S1SP4IM**

1-unit flush iSTATION™ opening. 3-unit recessed iSTATION™ opening for data, voice, and A/V applications. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Extron® or FSR + Power	**S1SPEXT1**

(1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS Plates. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Extron® or FSR + Power	**S1SPEXT2**

(1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS Plates. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Extron® or FSR Single-Service	**S1SPEXT3**

Recessed opening for (2) single Extron® MAAP and (2) single AAP Series adapter plates or FSR IPS Plates. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Extron® AAP + Power	**S1SPEXT4**

(1) 20A, 125V receptacle. (2) flush Keystone openings and recessed opening for (2) single Extron® AAP series adapter plates. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Ortronics Series II® + Power	**S1SPORT**

(1) 20A, 125V receptacle. Recessed opening for (3) 1-unit Ortronics Series II® modules. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Ortronics TracJack® + Power	**S1SPTRAC**

(1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Siemon MAX® + Power	**S1SPMAX**

(1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules. Use with **S1PTAVFIT** (recommended) or **S1PTFIT**.

Description	Catalog Number
Panduit Mini Com® 4 X 4	**S1SP4X4PA**

(4) 20A, 125V receptacles. (4) Openings for Panduit® Mini-Com® Connectivity. Use with **S1PT4X4FIT** only.

Description	Catalog Number
SYSTIMAX® 4 X 4	**S1SP4X4SYS**

(4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity. Use with **S1PT4X4FIT** only.

*Furnished with two screw-in flexible metal conduit connectors.

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Fire-Rated Poke-Throughs
Hubbell SystemOne Configuration Chart

ScrubShield™ — Complies with UL514A · c(UL)us

Approved for use in the City of Chicago. (except S1PFB)			Non-Metallic Floor Box* S1PFB	Metal Floor Boxes* S1CFB	S1SFB	S1SFBAV	4" Core Hole Fire-Rated Poke-Throughs S1PTFIT	S1PT4X4FIT	S1PTAVFIT
Sub-Plates									
S1SP	Style Line®/GFCI		3	3.5	3.5	3.5	✓+ (Single-Service)	✗	✓ (Multi-Service)
S1SPDU	Duplex/Duplex		3	3.5	3.5	3.5	✓+ (Single-Service)	✗	✓ (Multi-Service)
S1SPDUSL	Duplex/Style Line®		3	3.5	3.5	3.5	✓+ (Single-Service)	✗	✓ (Multi-Service)
S1SP4X4 S1SP4X4PA S1SP4X4SYS	Hubbell 4 X 4, Panduit Mini-Com® 4X4, SYSTIMAX® 4X4		4	4	4	4	✗	✓+	✗
S1SPTL	Twist-Lock® Receptacle + Data		4	4	4	4	✗	✓+	✗
S1SP3IM	Hubbell DataCom + Power		5	5	5	5	✓	✗	✓+
S1SP4IM	Hubbell DataCom		3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPDU2IM	Hubbell DataCom + Duplex		5	5	5	5	✓	✗	✓+
S1SPSL2IM	Hubbell DataCom + Style Line®		5	5	5	5	✓	✗	✓+
S1SPFFxx (Carpet) **S1SPFFTxx** (Tile)	Furniture Feed Cover/Flange (replace "xx" with BRS (brass), AL (aluminum), BL (black) or GY (gray).		3	3.5	3.5	3.5	✓	✗	✓+
S1SPEXT1	Extron® or FSR IPS + Power		4	4	4	4	✓	✗	✓+
S1SPEXT2	Extron® AAP or FSR IPS + Power		4	4	4	4	✓	✗	✓+
S1SPEXT3	Extron or FSR IPS Single-Service		4.5	4.5	4.5	4.5	✓	✗	✓+
S1SPEXT4	Extron AAP + Flush Keystone + Power		4	4	4	4	✓	✗	✓+
S1SPORT	Ortronics Series II® + Power		5	5	5	5	✓	✗	✓+
S1SPTRAC	Ortronics TracJack® + Power		5	5	5	5	✓	✗	✓+
S1SPMAX	Siemon MAX® + Power		5	5	5	5	✓	✗	✓+
S1CFCxx SystemOne Carpet Cover / **S1TFCxx** SystemOne Tile Cover	All SystemOne Floor Boxes and FRPTs accept the SystemOne Universal Covers (replace "xx" with BRS (brass), AL (aluminum), BL (black), GY (gray) or I (ivory).		⊖ Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.				✓+ Recommended Floor Fitting	✓ Alternative Floor Fitting	✗ Not Compatible

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*Note: *See section L for product information.*

Fire-Rated Poke-Throughs
2X2 Flush FRPT
3-Inch Core Hole Units

ScrubShield™
Complies with UL514A

2X2 Flush FRPT – One-Piece Units

Catalog Numbers			Catalog Numbers		
PT2X2BL	Black	**2X2 Aluminum Poke-Through**	**PT2X2BRS3**	Black/Brass	**2X2 Black/Brass Poke-Through**
PT2X2GY	Gray		**PT2X2BRS**	Brass Finish/Brass	
PT2X2IGBL*	Black		**PT2X2IGBRS3***	Black/Brass	
PT2X2IGGY*	Gray		**PT2X2IGBRS***	Brass Finish/Brass	

*Includes pre-wired 20A isolated ground duplex Style Line® receptacle.

Complete assembled unit includes:
- **PT2X2FIT** through-floor fitting.
- Pre-wired 20A duplex Style Line® receptacle & (2) Category 5e data jacks.
- Non-metallic cover.
- Painted aluminum flange.
- UL Listed and CSA Certified.
- Approved for use in the City of Chicago.

PT2X2GY

*Includes pre-wired 20A isolated ground duplex Style Line® receptacle.

Complete assembled unit includes:
- **PT2X2FIT** through-floor fitting.
- Pre-wired 20A duplex Style Line® receptacle & (2) Category 5e data jacks.
- Non-metallic cover.
- Solid brass flange.
- UL Listed and CSA Certified.
- Approved for use in the City of Chicago.

PT2X2BRS3

2X2 Flush FRPT – Two-Piece Units

Through-Floor Fitting
Catalog Numbers

PT2X2FIT

Multi-Channel Through-Floor Fitting

Through-floor fitting with (1) ¾ in. E.M.T. stem with junction box for power and (2) ½ in. E.M.T. stems for low voltage.

Specifications:
- UL Listed and CSA Certified.
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping (D900 Series Design)).
- For 2¼ in. to 7 in. floor thickness.
- UL installation spacing. Minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area.
- Approved for use in the City of Chicago.

PT2X2FIT

Service Fittings

Catalog Numbers			Catalog Numbers		
PT2X2SFBL	Black	**2X2 Black Service Fitting**	**PT2X2SFBRS3**	Black/Brass	**2X2 Black/Brass Service Fitting**
PT2X2SFGY	Gray		**PT2X2SFBRS**	Brass Finish/Brass	

- Pre-wired 20A duplex Style Line® receptacle & (2) Category 5e data jacks.
- Non-metallic cover.
- Painted aluminum flange.
- UL Listed and CSA Certified.

PT2X2SFBL

- Pre-wired 20A duplex Style Line® receptacle & (2) Category 5e data jacks.
- Non-metallic cover.
- Solid brass flange.
- UL Listed and CSA Certified.

PT2X2SFBRS3

Accessories
Catalog Numbers

PT2X2CBL	Black	**Non-Metallic Replacement Covers**
PT2X2CGY	Gray	
PT2X2CBRS	Brass Finish	

PT2X2CBL

Notes: See page M-13 for 3-inch closure plug.
See page M-20 for technical information.

Fire-Rated Poke-Throughs
Flush Duplex FRPT
3-Inch Core Hole Units

ScrubShield™ Ⓤ Ⓢ

Complies with UL514A

Flush Duplex FRPT – One-Piece Units

Catalog Numbers		
PT7FSDBLA	Black	**Flush Aluminum Poke-Through**
PT7FSDGYA	Gray	
PT7FSDIA	Ivory	
PT7FSDBRA	Brown	
PT7IGFSDGYA*	Gray	
PT7IGFSDIA*	Ivory	

*Includes pre-wired 20A isolated
  ground duplex receptacle.*
Complete assembled unit includes:
- **PT7FSD** through-floor fitting.
- Pre-wired 20A duplex receptacle.
- Non-metallic flip lid cover
  with (2) ½ in. diameter low voltage
  feed through holes.
- Painted aluminum flange.
- UL Listed and CSA Certified.

PT7FSDGYA

Catalog Numbers		
PT7FSDBRS2A	All Brass	**Flush Brass Poke-Through**
PT7FSDBRS3A	Black/Brass	
PT7IGFSDBRSA*	All Brass	

*Includes pre-wired 20A isolated
  ground duplex receptacle.*

Complete assembled unit includes:
- **PT7FSD** through-floor fitting.
- Pre-wired 20A duplex receptacle.
- All brass or black non-metallic
  cover option.
- Flip lid cover with (2) ½ in. diameter
  low voltage feed through holes.
- Solid brass flange.
- UL Listed and CSA Certified.

PT7FSDBRS2A

Flush FRPT – Two-Piece Units

**Through-Floor Fitting
Catalog Numbers**

PT7FSD (with Junction Box)
PT73SD (without Junction Box)

Through-floor fitting with
(1) ¾ in. E.M.T. stem for power
and (2) ½ in. low voltage feed
through holes.

Multi-Channel Through Floor Fitting

Specifications:
- UL Listed and CSA Certified.
- 1 – 4 hour fire rating (1– 3 hour for steel floor units
  and concrete topping, D900 Series Design).
- For 2¼ to 7 in. floor thickness.
- UL installation spacing. Minimum 2 ft. on center
  and not more than 1 per 65 sq. ft. of floor area.

PT7FSD

Service Fittings Catalog Numbers		
FRFBLA	Black	**Flush Aluminum Service Fitting**
FRFGYA	Gray	
FRFIA	Ivory	
FRFBRA	Brown	

- Pre-wired 20A duplex receptacle.
- Non-metallic flip lid cover with
  (2) ½ in. diameter low voltage
  feed-through holes.
- Painted aluminum flange.
- UL Listed and CSA Certified.

FRFGYA

Catalog Number		
FRFBRS2A	Solid Brass	**Flush Brass Service Fitting**

- Pre-wired 20A duplex receptacle.
- Solid brass flip lid cover with
  (2) ½ in. diameter low voltage
  feed-through holes.
- Solid brass flange.
- UL Listed and CSA Certified.

FRFBRS2A

Accessories Catalog Numbers		
PFBRCBLA	Black	**Non-Metallic Replacement Covers**
PFBRCGYA	Gray	
PFBRCIA	Ivory	
PFBRCBRA	Brown	

PFBRCGYA

Catalog Number		
BRS2RCA	Solid Brass	**All Brass Replacement Covers**

BRS2RCA

*Notes: See page M-13 for 3-inch FRPT accessories.
See page M-21 for technical information.*

Fire-Rated Poke-Throughs
Flush Furniture Feed FRPT
3-Inch Core Hole Units

ScrubShield™
Complies with UL514A

Large Capacity, Low Voltage Flush Furniture Feed FRPT – Two-Piece Units

Catalog Numbers		Catalog Numbers	
PT2FIT	**Large Capacity, Low Voltage Through Floor Fitting**	**FF2BRS** Brass Finish **FF2BK** Black **FF2GY** Gray	**Large Capacity Cover/Flange**

PT2FIT

Through floor fitting with
(1) 2 in. E.M.T. stem.
Will accommodate up to
36 Category 5e cables.
Specifications:
- UL Listed and CSA Certified.
- 1-2 hour fire rating.
- For 2¼ to 7 in. floor thickness.
- UL installation spacing. Minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area.
- Approved for use in the City of Chicago.

PT2FIT

FF2BRS Brass Finish
FF2BK Black
FF2GY Gray

Specifications:
- UL Listed and CSA Certified.
- Cover/flange with 1¼ in. and 2 in. trade size combination knockout.
- Painted aluminum cover and flange.
- Approved for use in the City of Chicago.

FF2BK

Note: See page M-22 for technical information.

Flush Furniture Feed FRPT – One-Piece Units

Catalog Numbers		Catalog Numbers	
PT73FFSDBK Black **PT73FFSDGY** Gray **PT73FFSDI** Ivory	**3-Service Furniture Feed Poke-Through**	**PT7FFSDGY** Gray **PT7FFSDI** Ivory	**Single-Service Furniture Feed Poke-Through**

Complete assembled unit includes:
- **PT73SD** floor fitting.
- Aluminum cover with (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power.
- Painted aluminum flange.
- UL Listed and CSA Certified.

Complete assembled unit includes:
- **PT71SD** floor fitting.
- Aluminum cover with (1) KO to accept a ¾ in. connector.
- Painted aluminum flange.
- UL Listed and CSA Certified.

PT73FFSDGY

PT7FFSDGY

Note: See page M-23 for technical information.

Note: See page M-24 for technical information.

Flush Furniture Feed FRPT – Two-Piece Units

Through-Floor Fittings

Catalog Number		Catalog Number	
PT73SD	**3-Service Furniture Feed Through-Floor Fitting**	**PT71SD**	**Single-Service Furniture Feed Through-Floor Fitting**

Through-floor fitting with
(1) ¾ in. E.M.T. stem for power and
(2) ½ in. low voltage conduit holes.

Specifications:
- UL Listed and CSA Certified.
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design).

Through-floor fitting with
(1) ¾" E.M.T. stem for power
or low voltage applications.

Specifications:
- UL Listed and CSA Certified.
- For 2¼ to 7 in. floor thickness.
- UL installation spacing. Minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area.

PT73SD

PT71SD

Service Fittings

Catalog Numbers		Catalog Numbers	
FRF3BK Black **FRF3GY** Gray **FRF3I** Ivory	**3-Service Furniture Feed Service Fitting**	**FRF1BK** Black **FRF1GY** Gray **FRF1BRS** Brass Finish	**Single-Service Furniture Feed Service Fitting**

- Aluminum cover with (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power.
- Painted aluminum flange.
- UL Listed and CSA Certified.

- Aluminum cover with (1) KO to accept a ¾ in. connector.
- Painted aluminum flange.
- UL Listed and CSA Certified.

FRF3GY

FRF1GY

Note: See page M-13 for 3-inch FRPT accessories.

Fire-Rated Poke-Throughs
Painted Pedestal FRPT
2- and 3-Inch Core Hole Two-Piece Units

ScrubShield™

Complies with UL514A

Painted Pedestal FRPT 3-Inch Core Hole Two-Piece Unit	Painted Pedestal FRPT 2-Inch Core Hole Two-Piece Unit
Through-Floor Fitting **Catalog Number**	**Through-Floor Fitting** **Catalog Number**

PT7XC   **Large Capacity Multi-Service Pedestal Through Floor Fitting**

Through floor fitting with (1) 1¼ in. E.M.T. stem for low voltage and (1) ½ in. E.M.T. stem for power applications.
Specifications:
- UL Listed and CSA Certified.
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design).
- For 2¼ to 7 in. floor thickness.
- UL installation spacing. Minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area.
- Approved for use in the City of Chicago.

PT7XC

Note: See page M-26 for technical information.

PT27A   **Multi-Service Pedestal Through Floor Fitting**

Through floor fitting with (1) ¾ in. E.M.T. stem for low voltage and (1) ½ in. E.M.T. stem for power applications.
Specifications:
- UL Listed and CSA Certified.
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design).
- For 2¼ to 7 in. floor thickness.
- UL installation spacing. Minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area.
- Approved for use in the City of Chicago.

PT27A

Note: See page M-26 for technical information.

Pedestal Service Fittings (Order 1 plate per gang)

2-Gang Catalog Numbers		4-Gang Catalog Numbers		6-Gang Catalog Numbers	
FR280ALA	Aluminum Finish	FR480BKA	Black	FR680BKA	Black
FR280BKA	Black	FR480GYA	Gray	FR680GYA	Gray
FR280GYA	Gray				
Use with **PT27A** only.		Use with **PT27A** or **PT7XC**.		Use with **PT27A** or **PT7XC**.	

FR280BKA   **FR480GYA**   **FR680BKA**

- Painted aluminum housing with low voltage barrier(s). Plates and devices sold separately.
- For additional barriers, use catalog number **FRBR1** (see page M-13).
- UL Listed and CSA Certified.

Note: See page M-25 for technical information.

Pedestal Face Plates (Order 1 plate per gang)

Catalog Numbers				Catalog Numbers		
SS2309DBKA	Black	**Duplex**		SS2309FBKA	Black	**Furniture Feed**
SS2309DGYA	Gray			SS2309FGYA	Gray	**(¾ in. KO)**
				SS2309FALA	Aluminum Finish	
SS2309SLBKA	Black	**Style Line®/**		SS2309F1BKA	Black	**Furniture Feed**
SS2309SLGYA	Gray	**GFCI**		SS2309F1GYA	Gray	**(1 in. KO)**
SS2309SBKA	Black	**Single Rec.**		SS2309TBKA	Black	**Bushed Data**
SS2309SGYA	Gray	**(1.39 in. OD)**		SS2309TGYA	Gray	**Opening (1 in. ID)**
SS2309BBKA	Black	**Blank**				
SS2309BGYA	Gray					
SS2309BALA	Aluminum Finish					

- Painted aluminum plates.
- UL Listed and CSA Certified.

Fire-Rated Poke-Throughs
Brushed Aluminum Pedestal FRPT
3-Inch Core Hole Two-Piece Unit

Complies with UL514A

Through-Floor Fitting

Catalog Numbers

PT7XC — **Large Capacity Multi-Service Pedestal Through-Floor Fitting**

Through floor fitting with (1) 1¼ in. E.M.T. stem for low voltage and (1) ½ in. E.M.T. stem for power applications.
Specifications:
- UL Listed and CSA Certified.
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design).
- For 2¼ to 7 in. floor thickness.
- UL installation spacing. Minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area.
- Approved for use in the City of Chicago.

PT7XC

Note: See page M-26 for technical information.

Pedestal Service Fitting

Catalog Number

FR80AL Brushed Aluminum — **2-Gang Pedestal Service Fitting**

For use with **PT7XC** only.

- Brushed aluminum housing with low voltage barrier. Plates and devices sold separately.
- UL Listed and CSA Certified.

FR80AL

Note: See page M-25 for technical information.

Plates
Catalog Numbers

SS309D	Duplex
SS309S	Single Rec. (1.39 in. OD)
SS309B	Blank
SS309DS	Style Line/GFCI

Catalog Numbers

SS309T	Bushed Data Opening (1 in. ID)
SS309SF*	Furniture Feed (¾ in. KO)
SS309BF*	Furniture Feed Blank

*For furniture feed applications using SS309SF, a SS309BF blank must be used for 2nd plate.

- 302/304 Stainless steel plates (**SS309SF** & **SS309BF** are aluminum).
- UL Listed and CSA Certified.

3" Core Hole FRPT Accessories

Catalog Numbers

FRP250 Gray — **Closure Plug**
Textured aluminum plug seals 3 in. core hole when FRPT is no longer required and is removed. Maintains the floor's 1 – 4 hour fire rating. UL Listed and CSA Certified.

AP2GY Gray — **Flush FRPT**
AP2I Ivory — **Abandonment Plate**
Use with **PT7FSD**, **PT73SD** or **PT71SD** only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.

FF3GY Gray — **Multi-Service Furniture Feed**
FF3I Ivory — **Replacement Inserts**
Use as a replacement cover for **PT73FFSD** series, or to convert installed **PT7FSD** series into furniture feed FRPTs. Includes (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power. (UL Listed only.)

Catalog Numbers

EXT13 — **PT7XC Extension Kit**
Extends **PT7XC** FRPT to accommodate between 7 in. and 13 in. floor thickness.

AP22 2-Gang Gray **Pedestal FRPT**
AP42 4-Gang Gray **Abandonment Plate**
Use with **PT27A** or **PT7XC** Only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.

FRBR1 — **Low Voltage Barrier**
Use with **FR280**, **FR480**, and **FR680** pedestal service fittings only when additional power/low voltage separation is required.

Technical Information
Hubbell SystemOne 4X4 Series FRPT
S1PT4X4 Series

ScrubShield™
Complies with UL514A

c (UL) us

Ø 8.00" (203.2)

2.80" (71.1)

.55" (14.0)

Ø 3.88" (98.6)

2.29" (58.2)

Adjustable lever fire barrier

Gasket

¾" E.M.T.

1.05" (26.7)

12.54" (318.5)

Product Information

• Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
• S1SPT4X4 Series subplate supplied with pre-wired, molded, four position receptacle, NEMA 5-20R, 20A, 125V.
• Wired with six thermally protected #14 AWG THHN stranded copper conductors.
• Receptacle can be wired as dual-circuit or isolated ground.
• Accepts four (4) Hubbell HXJ6, HXJ5E, HXJU; category 6, 5e, and USOC, and flush series jacks.

Application Data

• Mounted in 4 in. (76.2) cored concrete diameter through hole.
• Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
• UL Listed for fire resistance in 1 – 4 hour rated floors.
• Approved for use in the City of Chicago.

UL Listed Low Voltage Wiring Capacity

Voice/Data up to two (2) low voltage cable at .21 in. (5.3) diameter can be used per low voltage conduit.
When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.
Up to (32) 22 AWG voice/data conductors (16 per conduit).

Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece and three-piece units.

Technical Information
Hubbell SystemOne Dual-Channel FRPT
S1PT Series

ScrubShield™

Complies with UL514A

c (UL) us

Product Information

• Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
• S1SP subplate accepts two (2) 15A or 20A Style Line, Style Line Data frames, and/or one (1) GFCI or surge receptacle.

Application Data

• Mounted in 4 in. (76.2) cored concrete diameter through hole.
• Floor thickness range: 2¼ in. to 7 in. (57.2 to 177.8).
• UL Listed for fire resistance in 1 – 4 hour rated floors.
• Approved for use in the City of Chicago.

UL Listed Wiring Capacity

Dual service (Power & Voice/Data): For Power, up to six (6) #12 AWG and, for Voice/ Data, up to forty-eight (48) #22 AWG telephone/ data conductors.
When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.

Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Notes: The above product data pertains to both one-piece and three-piece units.
        Special Listing: Hubbell SystemOne FRPTs approved for use in City of Chicago.

Technical Information
Hubbell SystemOne High-Capacity A/V FRPT
S1PT3IM Series and S1PTAVFIT

Ø 8.00" (203.2)

3.90" (99.1)

.55" (14.0)

Ø 3.88" (98.6)

Adjustable lever fire barrier

0.60" (15.2)

¾" E.M.T.

1.93" (49.0)

0.93" (23.6)

Gasket

1.04" (26.4)

1½" E.M.T.

11.02" (279.9)

13.02" (330.7)

Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- S1PT3IM Series subplate supplied with pre-wired single 20A 125V black receptacle, NEMA 5-20R.
- Wired with three #12 AWG THHN stranded copper conductors.
- S1PT3IM subplate also accepts three unit recessed iSTATION; 15-Pin VGA, RCA, S-Video, 3.5 mm stereo and XLR microphone jacks.

Application Data

- Mounted in 4 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ in. to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.
- Approved for use in the City of Chicago.

UL Listed Wiring Capacity

Voice/Data conduit up to ninety-six (96) #22 AWG telephone/data conductors.
When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.

Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece and three-piece units.

Technical Information
Hubbell SystemOne Furniture Feed FRPT
S1PTFF Series

ScrubShield™
Complies with UL514A
c UL us

Product Information

- Painted flush aluminum service fitting with matching cast aluminum carpet flange (color finish options: aluminum, brass, black, gray and ivory).
- Aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- Furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.

Application Data

- Mounted in a drilled 4 in. (76.2) concrete diameter through hole.
- Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.
- Approved for use in the City of Chicago.

UL Listed Wiring Capacity

Dual-Service (Power & Voice/Data): For Power, up to twelve (12) #12 AWG, and for Voice/Data, up to ninety-six (96) #22 AWG telephone/data conductors.

When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.

Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).

UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece and three-piece units.

Technical Information
Hubbell SystemOne Universal Cover
S1CFC and S1TFC Series

Ø 8.00" (203.2)

0.40"
(10.2)

Ø 6.90"
(175.3)

Gasket

Carpet

.55"
(14.0)

Ø 5.62" (142.7)

0.47"
(11.9)

Tile

0.64"
(16.3)

Product Information

• Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
• As applied for carpeted and tile applications.

Application Data

Mounted to SystemOne Fire-Rated Poke-Throughs and SystemOne floor boxes ONLY, SystemOne sub-plate required.

Note: The above product data pertains to both one-piece and three-piece units.

Technical Information
Hubbell SystemOne Furniture Feed Cover
S1SPFF and S1SPFFT Series

ScrubShield™
Complies with UL514A

Ⓤ c (UL) us

Ø 8.00" (203.2)

1½" N.P.T. Data

Ø 5.36" (136.1)

Gasket

3.66" (93.0)

¾" N.P.T. Power

Carpet

2.41" (61.2)

Ø 5.62" (142.7)

0.47" (11.9)

3.66" (93.0)

Tile

0.64" (16.3)

Product Information
- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, and gray).
- As applied for carpeted and tile applications.
- Furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.

Application Data
Mounted to SystemOne Fire-Rated Poke-Throughs and SystemOne floor boxes ONLY. No universal cover required.

Note: The above product data pertains to both one-piece and three-piece units.

Technical Information
Hubbell 2X2 Series FRPT
PT2X2 Series

ScrubShield™

Complies with UL514A

Ø 7.00" (177.8)

8x ¾" N.P.T. K.O. (TYP.)

Ø 2.88" (73.2)

2x ½" E.M.T.

¾" E.M.T.

0.58" (14.7)

8.10" (205.7)

16.67" (423.4)

Product Information

- Flush thermoplastic cover with matching painted aluminum epoxy flange (black, gray) or solid brass flange.
- Supplied with Hubbell pre-wired HBL2162BK; black Stye Line® or IG2162 (isolated ground) receptacle, NEMA 5-20R, 20A, 125V.
- Wired with three (3) #12 AWG THHN stranded copper conductors.
- Supplied with two (2) Hubbell HXJ5EBK black jacks; category 5e, UL Listed, 110 type contacts.
- Supplied with 13.0 cu. in. junction box having eight (8) ¾ in. knockouts.

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.
- Approved for use in the City of Chicago.

Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece and two-piece units.

Technical Information
Hubbell Flush Duplex FRPT
PT7 Series

Ø 7.00" (177.8)

8x ¾" N.P.T. K.O. (TYP.)

B   Floor Gasket

¾" E.M.T.

Ø 2.88" (73.2)

2x Ø .50" (12.7)

A

Series	Dimension A	Dimension B
Thermoplastic cover with aluminum flange.	13.24 in. [336.2]	.51 in. [13.0]
Brass cover and flange.	13.20 in. [335.2]	.49 in. [12.4]

Product Information

- Flush thermoplastic cover with matching painted aluminum flange (black, brown, gray, ivory) or solid brass cover and flange.
- Supplied with Hubbell pre-wired HBL5352 or IG5362 (isolated ground) series receptacle, NEMA 5-20R, 20A, 125V.
- Wired with three (3) #12 AWG THHN stranded copper conductors.
- Supplied with two (2) ½ in. low voltage feed through holes . Two (2) feed through bushings supplied (cover will not accept data jacks).
- Supplied with 13.0 cu. in. junction box having eight ¾ in. knockouts.

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.

UL Listed Wiring Capacity

Voice / Data up to fifty (50) #22 AWG telephone/data conductors (or one (1) 25 pair telephone cables) per each low-voltage opening. When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.

Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).

UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece and two-piece units.

Technical Information
Hubbell Low-Voltage Single-Service FRPT
PT2FIT Series

ScrubShield™

Complies with UL514A

1¼" - 2" N.P.T. COMBO K.O.

Ø 8.00"
(203.2)

2" E.M.T.

Ø 2.88"
(73.2)

0.25"
(6.4)

11.81" (300.0)

Product Information
- Flush aluminum service fitting with epoxy paint finish (gray, black and brass finish).
- Aluminum conduit cover with 2.47 in. (62.7) and 1.74 in. (44.2) combination knockouts to accept a 2 in. or 1¼ in. N.P.T. flexible metal conduit connector.

Application Data
- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ in. to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.
- Approved for use in the City of Chicago.

UL Listed Wiring Capacity
Single-Service Low-Voltage Only: For Single Service Voice/Data, up to thirty-six (36) low voltage cable at .21 in. (5.3) dia. can be used. When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.

Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece and two-piece units.

Technical Information
Hubbell Flush Furniture Feed FRPT (3-Service)
PT73FFSD Series

ScrubShield™

Complies with UL514A

Two ½" N.P.T. threaded plugs for voice/data

3.88" (98.6)

7.00" (177.8)

One ¾" N.P.T. threaded plug for power

¾" E.M.T.

8.50" (215.9)

Product Information

- Flush painted aluminum service fitting and carpet flange (color finish options: black, gray and ivory).
- Aluminum conduit insert cover with one (1) ¾ in. and two (2) ½ in. die-cast threaded plugs.
- Supplied with one (1) ¾ in. and two (2) ½ in. screw-in flexible metal conduit connectors.

Application Data

- Mounted in a drilled 3 in. (76.2) concrete diameter through hole.
- Floor thickness range: 2¼ in. to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.

UL Listed Wiring Capacity

Dual-Service (Power & Voice/Data): For Power, up to six (6) #12 AWG and two (2) #10 AWG type THHN or up to ten (10) #12 AWG type THHN wires can be used AND, for Voice/ Data, up to fifty (50) #22 AWG telephone/data conductors (or one (1) 25 pair telephone cables) per each low-voltage opening.
When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.

Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors OR in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.
Note: The above product data pertains to both one-piece and two-piece units.

Technical Information
Hubbell Flush Furniture Feed Single-Service
PT7FFSD Series

ScrubShield™
Complies with UL514A

1.11" (28.2) knockout for ¾" conduit connector

7.00" (177.8)

¾" E.M.T.

8.50" (215.9)

Product Information
- Flush aluminum service fitting with epoxy paint finish (color finish options: gray, ivory and brass finish).
- Aluminum conduit cover with 1.11 in. (28.2) knockout to accept a ¾ in. N.P.T. flexible metal conduit connector.

Application Data
- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 rated floors.

UL Listed Wiring Capacity
Single-Service (Power or Voice/Data): For Power, up to six (6) #12 AWG and two (2) #10 AWG type THHN or up to ten (10) #12 AWG type THHN wires can be used or, for Voice/Data, up to one hundred (100) #22 AWG telephone/data conductors (or two (2) 25 pair telephone cables).
When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.
Note: When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics
Listing	UL File Number
Outlet Box	E31999
Fire Resistance	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.
Note: The above product data pertains to both one-piece and two-piece units.

Technical Information
Pedestal FRPT
Painted and Brushed Aluminum Series

ScrubShield™
Complies with UL514A

Dimensions

2-Gang – FR280 series

2.7" (68.5)
5.4" (138.0)   4.6" (117.0)

Voice/Data → ← Power

Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service) 39.00 in. (638.8cm³).

| Cubic Inch Capacity (when divided for multi-service) | **Power** | 19.5 in. (319.4cm³). |
| | **Voice/Data** | 19.5 in. (319.4cm³). |

Service Pedestal Construction — Heavy gauge galvanized steel frame with aluminum housing and face plates.

Pedestal Finish — Textured black or gray epoxy paint.

4-Gang – FR480

2.7" (68.5)
5.4" (138.0)   9.0" (228.0)

Voice/Data → ← Power

Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service) 78.00 in. (1277.6cm³).

| Cubic Inch Capacity (when divided for multi-service) | **Power** | 39.00 in. (638.8cm³). |
| | Voice/Data | 39.00 in. (638.8cm³). |

Service Pedestal Construction — Heavy gauge galvanized steel frame with aluminum housing and face plates.

Pedestal Finish — Textured black or gray epoxy paint.

6-Gang – FR680

2.7" (68.5)
5.4" (138.0)   13.6" (340.0)

Voice/Data → ← Power

Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service) 117.00 in. (1916.4cm³).

| Cubic Inch Capacity (when divided for multi-service) | **Power** | 58.5 in. (958.2cm³). |
| | **Voice/Data** | 58.5 in. (958.2cm³). |

Service Pedestal Construction — Heavy gauge galvanized steel frame with aluminum housing and face plates.

Pedestal Finish — Textured black or gray epoxy paint.

2-Gang – FR80AL

2.50" (63.5)
4.50" (114.3)
4.38" (111.3)

Power → ← Voice/Data
Integral Low-Voltage Divider
Fiber Barrier
Top inside view of pedestal base

Total Cubic Inch Capacity (single service) 33.00 in. (540.9 cu cm³).

| Cubic Inch Capacity (when divided for multi-service) | **Power** | 8.80 in. (144.2cm³). |
| | **Voice/Data** | 26.70 in. (437.6cm³). |

Service Pedestal Construction — Heavy gauge aluminum frame with satin anodized aluminum housing with 302/304 stainless steel face plates.

Pedestal Finish — Brushed.

Technical Information
Pedestal FRPT
Pedestal Fitting Series

ScrubShield™ (UL) (CSA)®
Complies with UL514A

7.25"
(184.2)

9.25"
(235.0)

¾" E.M.T.
Voice/Data
Tube

½" E.M.T.
Power Tube

8.25"
(209.6)

10.25"
(260.4)

1¼" E.M.T.
Voice/Data
Tube

½" E.M.T.
Power Tube

Applications	PT27A	PT7XC
Mounting	2 in. (50.8) diameter hole.	3 in. (76.2) diameter hole.
Floor Thickness Range	2¼ in. to 7 in. (57.2 to 177.8)	2¼ in. to 7 in. (57.2 to 177.8)
Fire Rating	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated employing steel floor units and concrete topping (D900 series design).	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 series design).
Service Pedestal Options	FR280, FR480, FR680 Series.	FR480 and FR680 Series.

UL Listed Wiring Capacity

Power Wiring Capacity	½ in. inch EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.	½ in. inch EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.
Voice/Data Wiring Capacity	¾ in. inch EMT low-voltage tube Handles: Up to two 25 pair tel./data cables (100 #22 AWG tel./data conductors), or Up to two IBM Type 2 data cables.	1¼ in. inch EMT low-voltage tube Handles: Up to four 25 pair tel./data cables (200 #22 AWG tel./data conductors), or Up to five IBM Type 2 data cables and four 8-conductor tel./data cables.
Total Allowable Copper Cross-Sectional Area	.11 sq. in.	.16 sq. in.

When conductors larger than 22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number	UL File Number
Outlet Box	E31999	E31999
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span.

Chicago Approved

Catalog Numbers	City of Chicago File Number
PT27A, PT7XC	5587E

These through-floor fittings are approved for the City of Chicago. Installation requires a plenum-rated 1900 series box or a handy box with gasketed cover. These boxes are to be affixed with compression gland-type connectors.

Section N
Aluminum Service Poles

Index

Two Duplex Receptacles or Blank Pole

One Isolated Ground, One Duplex Receptacle

Two Isolated Ground, One IG Surge Supression

Adjustable T-Bar and Trim Kit

photo courtesy of
constructionphotographs.com

Aluminum Service Poles
Specifications and Dimensional Information

Aluminum Series Offering

HBLPP10A

HBLPP10IGA

HBLPP10SAI

ATB

PPTRIM1

Hubbell offers a line of gray, ivory and satin finish extruded aluminum service poles. These attractive and durable poles effectively distribute power and telecommunications wiring from above the ceiling to workstations below. They are offered in lengths of 10' 2", 12' 2", and 15' 2", and with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

A blank pole is also offered which does not have devices or wiring. In addition to a standard pole, which has two 20 amp duplex receptacles, an isolated ground version is available, as well as a surge suppression version. All poles, except the blank versions, are factory wired with Hubbell Style Line® receptacles. Two Style Line® knockouts are also provided on the same side as the power receptacles for communication outlets.

Ordering Information

Aluminum service poles; satin finish aluminum, gray or ivory painted; Style Line® duplex receptacles and two Style Line® knockouts for communications; includes ceiling trim mounting plate and scuff boot.

Description	Catalog Numbers Gray	Ivory	Satin Finish Aluminum
Three service; two 20A 125V Style Line® duplex receptacles; one circuit. Height 10' 2" (3.10m).	HBLPP10A	HBLPP10AI	HBLPP10AAL
Height 12' 2" (3.71m).	HBLPP12A	HBLPP12AI	HBLPP12AAL
Height 15' 2" (4.62m).	HBLPP15A	HBLPP15AI	HBLPP15AAL
Three service; one orange isolated ground 20A 125V Style Line® duplex receptacle; one 20A 125V Style Line® duplex receptacle; two circuits; 10' 2" (3.10m).	HBLPP10IGA	HBLPP10IGAI	—
Three service; two orange isolated ground 20A 125V Style Line® duplex receptacles; one isolated ground surge suppression 20A 125V duplex receptacle; one circuit; 10' 2" (3.10m).	HBLPP10SA	HBLPP10SAI	—
Three service; blank pole; divider; four Style Line® device knockouts; Height 10' 2" (3.10m).	HBLPPOA	HBLPPOAI	HBLPPOAAL
Height 12' 2" (3.71m).	HBLPPO12A	HBLPPO12AI	HBLPPO12AAL
Height 15' 2" (4.62m).	HBLPPO15A	HBLPPO15AI	HBLPPO15AAL
Adjustable T-bar assembly for mounting poles in middle of ceiling tile.	ATB	—	—
Replacement service pole trim kit (ceiling white).	PPTRIM1	—	—

Note: Style Line® communication outlets, modular jacks, and data connectors are sold separately. See catalog section P for complete line.

Specifications

Material: Extruded aluminum; .05" thick (1.27mm)
Finish: gray, ivory or satin finish
Conductors: #12 AWG stranded copper

Receptacles: (see drawings below)
Listing: UL Listed

Wiring Capacity (@40% fill)	Voice Data Channel* Cat. 5E	Cat. 6	Cat. 6A	Power Channel**
HBLPP10A; HBLPP12A; HBLPP15A: HBLPP10IGA	26	11	9	41
HBLPP10SA; HBLPP10SAI	8	6	3	41
HBLPPOA, HBLPPO12A, HBLPPO15A (with barrier)	26	11	9	41

Notes: * Pole wiring capacity (telephone fill): Cat. 5 UTP (2.30 sq. ft.).
**#12 THHN stranded.

Dimensions

Service Pole Cross Section

2.13" (54)
COVER
1.08" (27.6)
COMM. CHANNEL
.97" (24.6)
1.02" (26)
POWER CHANNEL
.98" (24.9)
BASE
BARRIER

HBLPP10A, HBLPP12A, HBLPP15A

FRONT   BACK
0.88" (22) Knockout
Data Communications Access Panel
10'2" (3.10m) 12'2" (3.71m) 15'2" (4.62m)
HBL2162GY HBL2162I or IG2162
2 Styleline Knockouts for Data/Communication
22.6" (574)
17.9" (454)
13.1" (333)
Slot
8.4" (212)
Scuff Boot
6" (152)
16" (406)
8" (203)
2.13" (54)
2.13" (54)

HBLPP10SA

FRONT   BACK
0.88" (22) Knockout
Data Communications Access Panel
IG2162
IG5362GYSA/ IG5362ISA
2 Styleline Knockouts for Data/Communication
10' 2" (3.10m)
22.6" (574)
27.4" (695)
17.9" (454)
13.1" (333)
Slot
8.4" (212)
Scuff Boot
6" (152)
16" (406)
8" (203)
2.13" (54)
2.13" (54)

HBLPPOA, HBLPPO12A, HBLPPO15A

FRONT   BACK
0.88" (22) Knockout
Data Communications Access Panel
10'2" (3.10m) 12'2" (3.71m) 15'2" (4.62m)
4 Style Line Knockouts for Receptacles
22.6" (574)
17.9" (454)
13.1" (333)
Slot
8.4" (212)
Scuff Boot
6" (152)
16" (406)
8" (203)
2.13" (54)
2.13" (54)

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com   Dimensions in Inches (mm)

Aluminum Service Poles
Custom Pole Configurations

Custom Poles

Using the chart below, you can create a custom service pole. For configurations that require additional customization, please consult Hubbell Technical Service at (203) 882-4800.

Position			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S	P	1	0	0	2	1	1	B	B	B	X	X	X	C	I

Example: SP100211BBBXXXCI
10 Feet 02 Inches, Ivory, (2) Rectangular Style Line® Knockouts For Data, (3) HBL2162 Duplex Receptacles, (2) Circuits (First 2 Receptacles on Circuit #1, Remaining receptacles on Circuit #2).

Worksheet

Position			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S	P														

Position 1 & 2: Height to the nearest foot.	08-22 Feet.
Position 3 & 4: Height in inches up to 11".	00-11 Inches.

Position 5, 6, 7, 8, 9, 10, 11, 12: Starting at **Position 7** Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at **Position 7**. Empty **Positions** should be filled with an **"X"** to designate an empty field.

Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.

Data Selections
1 - Rectangular Style Line® Knockout (for blank poles only).
2 - ½" N.P.T. Knockout (0.875" diameter, for blank poles only).
3 - ¾" N.P.T. Knockout (1.109" diameter, for blank poles only).
4 - 2-Port Style Line® Data Frame, 1-Gang, 2 Port Voice/Data Frame.
5 - 3-Port Style Line® Data Frame, 1-Gang, 3 Port Voice/Data Frame.

Power Selections
6 - Rectangular Style Line® Knockout (for blank poles only).
7 - ½" N.P.T. Knockout (0.875" diameter, for blank poles only).
8 - ¾" N.P.T. Knockout (1.109" diameter, for blank poles only).
A - 5362, 20A, 125V AC, Duplex.
B - HBL2162, 20A, 125V AC, Style Line® Duplex.
C - IG5362, 20A, 125V AC, I.G. Duplex.
D - IG2162, 20A, 125V AC, I.G. Style Line® Duplex.
G - HBL4700, 15A, 125V AC, Twist-Lock® Duplex.
H - IG4700, 15A, 125V AC, I.G. Twist-Lock® Duplex.
I - IG2310, 20A, 125V AC, I.G. Twist-Lock® Single.
J - IG5361, 20A, 125V AC, I.G. Single.
K - HBL5361, 20A, 125V AC, Single.
L - HBL2310, 20A, 125V AC, Twist-Lock® Single.
M - HBL2610, 30A, 125V AC, Twist-Lock® Single.
N - HBL2320, 20A, 250V AC, Twist-Lock® Single.
O - HBL2620, 30A, 250V AC, Twist-Lock® Single.
Q - IG4710, 15A, 125V AC, I.G. Twist-Lock® Single.
R - HBL4710, 15A, 125V AC, Twist-Lock® Single.
S - HBL5662, 15A, 250V AC, Duplex.
T - IG5662, 15A, 250V AC, I.G. Duplex.
U - HBL5661, 15A, 250V AC, Single.
V - IG5661, 15A, 250V AC, I.G. Single.
W - HBL5462, 20A, 250V AC, Duplex.

Position 13: Power Circuits	Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts). A - All devices on a single circuit. B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2. C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
Position 14: Color	I - Ivory. G - Gray. W - White. K - Black. A - Aluminum with satin finish.

TOP

Device Positions

12
4.75"
11
4.75"
10
4.75"
9
4.75"
8
4.75"
7
4.75"
6
4.75"
5
8.38"

FLOOR

Dimensions in Inches (mm)   www.hubbell-wiring.com   **HUBBELL** ® **Wiring Device-Kellems**

PART 2: Products

2.01 Manufacturer

A. The power poles specified herein for branch circuit wiring shall be Hubbell Service Poles as manufactured by Hubbell Inc., Wiring Device-Kellems® or approved equal. Other manufacturers may be considered equal if they meet the performance requirements of this specification and have received prior written approval.

2.02 Components/Accessories

A. The hardware for mounting Service Poles in the middle of a ceiling tile shall be Hubbell adjustable T-Bar type ATB with trim plate kit type PPTRIM1.

2.03 Materials

A. STANDARD and CUSTOM ALUMINUM SERVICE POLES

1. **Standard Style Line® Duplex**
   These Service Poles shall be extruded aluminum with a heavy gauge body (no less than .05 inches thick) to resist denting. These poles shall be two-channel to accommodate both power and low voltage services on the same side of the pole. Service poles shall be pre-wired with #12 AWG wire and equipped with two specification grade Style Line® receptacles (20A, 125V). These receptacles shall be Hubbell type HBL2162GY/HBL2162I or an approved equal. The low voltage (back) channel of the service pole shall incorporate an access panel that provides a passageway to two Style Line® communication knockouts located on the front of the pole.

   Finish
   Service Poles will include a painted or satin finish.
   Custom poles are available in Gray, Ivory, White, Black and Satin Finish Aluminum.

   Heights
   Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. 2 in. (3.10m), 12 ft. 2 in. (3.71m) and 15 ft. 2 in. (4.62m). Custom Poles shall be available in a range of sizes, a configurator pole is 8 through 22 ft. Other custom poles can be as short as 6 in. through 44 ft.

   10 ft. 2 in. (3.10m): Hubbell type HBLPP10A, HBLPP10AI, HBLPP10ALL.
   10 ft. 2 in. (3.10m): With Surge; Hubbell Type HBLPP10SA, HBLPP10SAI.
   10 ft. 2 in. (3.10m): Isolated Ground; Hubbell Type HBLPP10IGA, HBLPP10IGAI.
   12 ft. 2 in. (3.71m): Hubbell type HBLPP12A, HBLPP12AI, HBLPP12ALL.
   15 ft. 2 in. (4.62m): Hubbell type HBLPP15A, HBLPP15AI, HBLPP15ALL.
    8-22 feet: Hubbell Custom Poles.

2. **Isolated Ground**
   The following Service Poles contain one Hubbell isolated ground receptacle Hubbell #IG2162 and one #HBL2162GY/HBL2162I, both 20A, 125V Style Line® receptacles (wired on separate circuits). Gray aluminum painted poles shall be Hubbell type HBLPP10IGA. Ivory pole shall be Hubbell type HBLPP10IGAI. Custom poles with a variety of receptacles may also include isolated ground type devices.

3. **Surge Suppression/Isolated Ground**
   The following Service Poles contain one Hubbell #IG5362GYSA/IG5362ISA (20A, 125V Surge/IG Style Line® Duplex) and two #IG2162 (20A, 125V IG Style Line® Duplex) receptacles. All receptacles are wired on the same circuit, therefore providing surge protection at each outlet. Gray aluminum painted pole shall be Hubbell type HBLPP10SA. Ivory pole shall be Hubbell type HBLPP10SAI. Custom poles with a variety of receptacle options may also include surge suppression.

4. **Blank**
   The following poles are two-channel and do not include receptacles or wiring. All poles include a barrier which starts between the second and third knockout positions from the bottom of the pole. Custom poles with or without a barrier are available as well.
   10 ft. 2 in. (3.10m): Hubbell type HBLPPOA, HBLPPOAI, HBLPPOAAL.
   12 ft. 2 in. (3.71m): Hubbell type HBLPPO12A, HBLPPO12AI, HBLPPO12AAL.
   15 ft. 2 in. (4.62m): Hubbell type HBLPPO15A, HBLPPO15AI, HBLPPO15AAL.

B. VOICE/DATA INTERFACE

All Service Poles must allow for acceptance of Hubbell Style Line® communication outlets.

Index

Metal Raceway

HBL500 and HBL750 Series Product Applications

2 **1** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15**

HBL500 and HBL750 Series

1 HBL75010IV		**6** HBL50010IV		**11** HBL717IV	
2 HBL5719IV		**7** HBL5715IV		**12** HBL718IV	
3 HBL704IV		**8** HBL57482IV		**13** HBL5786AIV	
4 HBL5715BRIV		**9** HBL5748IV		**14** HBL5753R	
5 HBL5738IV		**10** HBL5711BRIV		**15** HBL5739AABIV	

HUBBELL ® **Wiring Device-Kellems** www.hubbell-wiring.com

Metal Raceway

HBL2000, HBL2000A, HBL2400, and Metal PlugTrak® Series Product Applications

16	HBL2000BCAIV	21	HBL20GB606IV	26	HBL2411IV
17	HBL2010BIV	22	HBL2410CIV	27	HBL24442IV
18	HBL2048IV	23	HBL2400BCIV	28	HBL24482IV
19	HBL2017BRIV	24	HBL2406IV	29	HBL2417IV
20	HBL2420REDIV	25	HBL2415IV	30	HBL24DRK

Metal Raceway
HBL500 and HBL750 Series
Features and Benefits

Innovative Box Design

- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.

- Rounded corners eliminate sharp edges.

- One seam construction provides "clean" look.

- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed.

- Full line of metal wallplates available. See page O-68 for selection.

NEW!

Enhanced Datacom Capabilities

- Allows up to five Category 5e, three Category 6, or two Category 6a cables.

- Available with 1½ in. (38.10) Category 6 and 6a bend radius fittings.

- Largest single channel low profile raceway available in its class.

- Ideal for datacom and oversized neutral applications.

- HBL750 Series exclusive to Hubbell.

NEW!

White Metal Raceway

- HBL750 Series available in white.

- Full line of product.

- More color options available for architects and interior designers.

Metal Raceway
HBL500 and HBL750 Series
Features and Benefits

Transition Fitting

- UL Classified to transition from Wiremold® Metal Surface Raceway to Hubbell Metal Raceway.

- Complete line of transition fittings for HBL500 and HBL750 Series Metal Raceway.

Wiremold® V700 to Hubbell HBL750 Series utilizing Hubbell transition fitting.

Bend Radius Fittings

- 1½ in. (38.10) bend radius.

- Ideal for high speed data cables including Category 5, 5e, 6 and 6a applications.

- Can be used in either HBL500 or HBL750 Series Metal Raceway.

Retrofit Box for Fire Alarm Detectors

NEW!

- Fits most manufactures of audible alarm systems.

- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.

- Compatible with both HBL500 and HBL750 Series Metal Raceway.

Wiremold® is a registered trademark of The Wiremold Company.

Metal Raceway
HBL500 and HBL750 Series

UL LISTED **CSA CERTIFIED**

HBL500 Series Metal Raceway		Catalog Numbers	Length	Color

Base and Cover
Available in 5 ft. (1.5m) lengths, packed 50 ft. (15m) per carton and 10 ft. (3m) lengths, packed 100 ft. (30m) per carton. **HBL5701C** coupling furnished with each length.

A: .53" (13.46)		HBL5005IV	5 ft.	Ivory
B: .76" (19.30)		HBL50010IV	10 ft.	Ivory

HBL750 Series Metal Raceway		Catalog Numbers	Length	Color

Base and Cover
Available in 5 ft. (1.5m) lengths, packed 50 ft. (15m) per carton and 10 ft. (3m) lengths, packed 100 ft. (30m) per carton. **HBL5701C** coupling furnished with each length.

		HBL7505IV	5 ft.	Ivory
		HBL75010IV	10 ft.	Ivory
A: .85" (21.59)	*NEW!*	HBL75010W	10 ft.	White
B: .76" (19.30)				

Switch and Receptacle Boxes		Catalog Numbers	Color

Switch and Receptacle Box
For standard switches and receptacles. Single gang box base has two ½ in. trade size KOs. Two gang box base has a rectangular KO and concentric ½ in. and ¾ in. trade size KOs. Three through six gang box bases have one ½ in. trade size KO per gang.

1-Gang
HBL5748IV   Ivory
HBL5748W   White
A: 4.54" (115.32)
B: 2.82" (71.63)
C: 1.75" (44.45)

2-Gang
HBL57482IV   Ivory
HBL57482W   White
A: 4.54" (115.32)
B: 4.64" (117.86)
C: 1.75" (44.45)

3-Gang
HBL57483IV   Ivory
HBL57483W   White
A: 4.54" (115.32)
B: 6.45" (163.88)
C: 1.75" (44.45)

4-Gang
HBL57484IV   Ivory
A: 4.54" (115.32)
B: 8.26" (209.91)
C: 1.75" (44.45)

5-Gang
HBL57485IV   Ivory
A: 4.54" (115.32)
B: 10.01" (255.93)
C: 1.75" (44.45)

6-Gang
HBL57486IV   Ivory
A: 4.54" (115.32)
B: 11.89" (301.96)
C: 1.75" (44.45)

Metal Raceway
HBL500 and HBL750 Series

UL LISTED · CSA CERTIFIED

Switch and Receptacle Boxes | Catalog Numbers | Color

Shallow Switch and Receptacle Box
For shallow switches and receptacles. Single gang box base has two ½ in. trade size KOs. Two gang box base has a rectangular KO and concentric ½ in. and ¾ in. trade size KOs. Three gang box base has three ½ in. trade size KOs.

1-Gang
HBL5747IV — Ivory
HBL5747W — White
A: 4.54" (115.32)
B: 2.82" (71.63)
C: 1.38" (35.05)

2-Gang
HBL57472IV — Ivory
HBL57472W — White
A: 4.54" (115.32)
B: 4.64" (117.86)
C: 1.38" (35.05)

3-Gang
HBL57473IV — Ivory
A: 4.54" (115.32)
B: 6.45" (163.88)
C: 1.38" (35.05)

Deep Switch and Receptacle Box
For deep devices or applications where additional room is beneficial. Single gang box base has two ½ in. trade size KOs. Two gang box base has a rectangular KO and concentric ½ in. and ¾ in. trade size KOs. Three gang box base has three ½ in. trade size KOs.

1-Gang
HBL5744SIV — Ivory
HBL5744SW — White
A: 4.54" (115.32)
B: 2.82" (71.63)
C: 2.25" (57.00)

2-Gang
HBL5744S2IV — Ivory
HBL5744S2W — White
A: 4.54" (115.32)
B: 4.64" (117.86)
C: 2.25" (57.00)

3-Gang
HBL5744S3IV — Ivory
A: 4.54" (115.32)
B: 6.45" (163.88)
C: 2.25" (57.00)

Extra Deep Switch and Receptacle Box
For deep devices (such as momentary contact switches) or applications where additional room is beneficial. Single gang box base has two ½ in. trade size KOs. Two gang box base has a rectangular KO and concentric ½ in. and ¾ in. trade size KOs. Three gang box base has three ½ in. trade size KOs.

1-Gang
HBL5744IV — Ivory
HBL5744W — White
A: 4.54" (115.32)
B: 2.82" (71.63)
C: 2.75" (69.85)

2-Gang
HBL57442IV — Ivory
HBL57442W — White
A: 4.54" (115.32)
B: 4.64" (117.86)
C: 2.75" (69.85)

3-Gang
HBL57443IV — Ivory
A: 4.54" (115.32)
B: 6.45" (163.88)
C: 2.75" (69.85)

Notes: For datacom applications, box selection is dependent on depth of connectors (jacks). See pages O-68 to O-69 for datacom product selection.

Metal Raceway
HBL500 and HBL750 Series

UL LISTED **CSA® CERTIFIED**

Specialty Boxes	1-Gang	1-Gang (Deep)	2-Gang	3-Gang	Color
Extension Box For extensions from exisiting flush switch and receptacle boxes.	HBL5751IV HBL5751W A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	HBL5751AIV HBL5751AW A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	HBL57512IV — A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	HBL57513IV — A: 4.54" (115.32) B: 6.45" (163.88) C: 1.38" (35.05)	Ivory White
Blank Extension Box For extensions from existing flush switch and receptacle boxes where it is desired to blank original outlet.			HBL5760IV A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)		Ivory
Low Profile Switch and Receptacle Box For low profile switches and receptacles. Base has ½ in. trade size KOs.			HBL5748SIV HBL5748SW A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)		Ivory White
Combination Switch and Receptacle Box* For connecting to surface runs of ½ in. trade size conduit, one raceway twistout on each side and three raceway twistouts on top and bottom.			HBL5745IV HBL5745W A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)		Ivory White
Utility Box* For use as a tee, cross, pull box, junction box or blank box. Base has ½ in. trade size KOs.			HBL57242IV A: 4.12" (104.78) B: 2.00" (50.80) C: 1.39" (35.31)		Ivory
Alarm Device Box For surface mounting of alarm devices and safety signals.			HBL5752IV HBL5752R A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)		Ivory Red
Extra Deep Alarm Device Box For surface mounting of alarm devices and safety signals. Cover is 2.75 in. (69.85) deep.			HBL5753IV HBL5753R A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)		Ivory Red
Distribution Box Twistouts permit use of three parallel raceway runs on each side. Cover takes devices with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00), 4.0625 in. (103.00) and canopy fixture not larger than 4.625 in. (117.00). Can be used with **HBL5736IV** (blank cover) to create junction box.			HBL5735IV A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)		Ivory

*Note: * Use catalog number **HBL5791** for connecting ½ in. EMT to HBL5745 and HBL57242 boxes.*

HUBBELL® *Wiring Device-Kellems*   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Metal Raceway
HBL500 and HBL750 Series

UL LISTED   CSA CERTIFIED

Round Extension and Fixture Boxes	Outside Diameter			Color
	4.75 inches	5.50 inches	6.38 inches	
Extension Box with Open Base For mounting on 3.25 in. (83.00) or 4 in. (102.00) round or square conduit boxes or other recessed outlets. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). Can be used as a pull or junction box when used with **HBL5736IV** (blank cover).	HBL5737IV HBL5737W A: 1.02" (26.00) B: 4.75" (120.65)	HBL5737AIV HBL5737AW A: 1.02" (26.00) B: 5.50" (140.00)	HBL5739AIV — A: 1.02" (26.00) B: 6.38" (162.01)	Ivory White
Fixture Box with Solid Base To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). Can be used as a pull or junction box when used with **HBL5736IV** (blank cover).	HBL5738IV HBL5738W A: 1.02" (26.00) B: 4.75" (120.65)	HBL5738AIV HBL5738AW A: 1.02" (26.00) B: 5.50" (140.00)	HBL5739IV HBL5739W A: 1.02" (26.00) B: 6.38" (162.01)	Ivory White

Other Round Boxes and Covers	Catalog Numbers	Color
Outlet Box For devices with mounting screw centers of 1.47 in. (37.00), 1.63 in. (41.00), 1.69 in. (44.00) or 1.84 in. (46.00).	HBL5733IV A: 1.02" (26.00) B: 3.00" (76.00)	Ivory
Blank Cover For use with **HBL5733IV**. Has ½ in. trade size KO in center.	HBL5731IV A: .24" (6.10) B: 2.40" (60.96)	Ivory
Blank Cover For use with **HBL5735IV, HBL5737IV/W, HBL5737AIV/W, HBL5739AIV, HBL5738IV/W, HBL5738AIV/W** and **HBL5739IV/W**. Has ½ in. trade size KO in center.	HBL5736IV HBL5736W A: .38" (9.75) B: 4.19" (106.30)	Ivory White
Fanbox with Solid Base Cover accepts fan bracket with mounting centers of 3.2 in. (81.00). Rated for fans and fixtures up to 50 lbs.	HBL5738AFIV HBL5738AFW A: 1.02" (26.00) B: 4.76" (120.90)	Ivory White
Retrofit Box for Fire Alarm Detectors For installing round alarm sensors.	HBL5739AABIV A: 1.62" (41.15) B: 6.50" (165.10)	Ivory

NEW!

Metal Raceway
HBL500 and HBL750 Series

UL LISTED   CSA CERTIFIED

Fittings	HBL500 Series	HBL750 Series	Color
Internal Elbow For inside surface at right angles.	HBL517IV — A: 3.33" (84.51) B: .58" (14.73) C: 3.33" (84.51)	HBL717IV HBL717W A: 3.33" (84.51) B: .90" (22.86) C: 3.33" (84.51)	Ivory White
External Elbow For outside surfaces at right angles.	HBL518IV — A: 2.59" (65.71) B: .58" (14.73) C: 2.59" (65.71)	HBL718IV HBL718W A: 2.59" (65.71) B: .90" (22.86) C: 2.59" (65.71)	Ivory White
90° Flat Elbow For right angle turns on same surface.	HBL511IV — A: 2.68" (68.13) B: .61" (15.50) C: 2.68" (68.13)	HBL711IV HBL711W A: 2.68" (68.13) B: .90" (22.86) C: 2.68" (68.13)	Ivory White
45° Flat Elbow For diagonal 45° turns on same surface.	HBL512IV A: 2.46" (62.61) B: .58" (14.73) C: 2.46" (62.61)	HBL712IV A: 2.70" (68.49) B: .91" (23.06) C: 2.70" (68.49)	Ivory
Mounting Strap (one- or two-hole) For mounting HBL500 or HBL750 Raceway to surface. Convert to one-hole by breaking off at score.	HBL504IV — A: .58" (14.73) B: .50" (12.70)	HBL704IV HBL704W A: .90" (22.86) B: .50" (12.70)	Ivory White
Bushing Protect wires from potential abrasion. Fits into end of HBL500 or HBL750 Raceway.	HBL502B A: .35" (8.83) B: .70" (17.68)	HBL702B A: .60" (15.24) B: .70" (17.68)	Zinc Plated Steel
Connection Cover To cover potential openings where two lengths of HBL500 or HBL750 Raceway come together.	HBL506IV — A: .60" (15.24) B: .80" (20.31)	HBL706IV HBL706W A: .91" (23.10) B: .80" (20.31)	Ivory White
Transition Fitting For transitioning from either Wiremold® V500 to Hubbell HBL500 Raceway or Wiremold® V700 to Hubbell HBL750 Raceway.	HBL500TFIV A: .65" (16.51) B: .89" (22.61) C: 2.15" (54.61)	HBL750TFIV A: .98" (24.89) B: .89" (22.61) C: 2.15" (54.61)	Ivory

Wiremold® is a registered trademark of the Wiremold Company.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Metal Raceway
HBL500 and HBL750 Series

Fittings	HBL500 and HBL750 Series	Color
Internal Elbow - Bend Radius For inside surface at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6a applications.	**HBL5717BRIV** A: 3.33" (84.51) B: .91" (23.11) C: 3.33" (84.51)	Ivory
External Elbow - Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6a applications.	**HBL5718BRIV** A: 4.86" (123.43) B: .78" (19.80) C: 1.35" (34.28)	Ivory
Flat Elbow - Bend Radius For right angle turns requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6a applications.	**HBL5711BRIV** A: 3.16" (80.34) B: .91" (23.11) C: 3.16" (80.34)	Ivory
Tee Fitting - Bend Radius For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6a applications.	**HBL5715BRIV** A: 5.55" (140.88) B: .90" (22.86) C: 3.16" (80.34)	Ivory
Tee Fitting For branches at right angles.	**HBL5715IV** **HBL5715W** A: 3.06" (77.67) B: 1.14" (28.86) C: 3.03" (76.96)	Ivory White
Internal Twisted Elbows For 90° twist with 90° turn. For double turn at right angles from one to another. From a flat run on a side wall to a flat run on a ceiling, edge of door or window trim.	Right Elbow **HBL5711RHIV** **HBL5711RHW** A: 2.98" (75.72) B: .94" (23.75) C: 3.00" (76.20)　Left Elbow **HBL5711LHIV** **HBL5711LHW** A: 2.98" (75.72) B: .94" (23.75) C: 3.00" (76.20)	Ivory White
Corner Box For connecting HBL500 or HBL750 Raceway from ceiling or corner. Each leg of base has ½ in. trade size KO.	**HBL5719IV** **HBL5719W** A: 2.50" (63.50) B: 2.50" (63.50) C: 2.40" (60.96)	Ivory White
Coupling For joining and supporting lengths of HBL500 or HBL750 Raceway.	**HBL5701C** A: 2.00" (50.80)	Galvanized Steel

Metal Raceway
HBL500 and HBL750 Series

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Fittings	HBL500 & HBL750 Series	Color
Support Clip For supporting lengths of HBL500 or HBL750 Raceway.	**HBL5703IV** **HBL5703W** A: 2.51" (63.75)	Ivory White
Elbow Box Connector For connecting raceway at right angles to conduit boxes, panel boxes, etc. having KO for trade size conduit.	**HBL5783IV** A: 2.13" (54.05) B: 1.24" (31.50)	Ivory
Elbow Conduit Connector For connecting raceway at right angles to ½ in. trade size conduit or armored cable connectors.	**HBL5784IV** A: 2.13" (54.05) B: 1.24" (31.50)	Ivory
Combination Connector For connecting raceway, without offsetting, to any 3.25 in. (83.00) or 4 in. (102.00) outlet box mounted on the surface with a KO for ½ in. trade size conduit. Spring steel bushing (included) eliminates need for conduit nipple and locknut.	**HBL5785IV** **HBL5785W** A: 1.64" (41.78) B: 1.27" (32.26) C: 2.90" (73.72)	Ivory White
Adjustable Offset Connector Two ½ in. KOs for panel or conduit connection. Eliminates offsetting raceway when connecting to surface type panel boxes. One ½ in. chase nipple and locknut furnished.	**HBL5786IV** **HBL5786W** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)	Ivory White
Entrance Connector One ¾ in. KO for panel or conduit connection. One ¾ in. chase nipple and locknut furnished.	**HBL5786AIV** **HBL5786AW** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)	Ivory White
Flexible Section For getting around offsets, side bends, twisted turns or curved surfaces.	**HBL5700FIV** A: 18.00" (457.20)	Ivory
½ in. EMT Connector For connecting raceway to conduit boxes or panel boxes having KO for conduit.	**HBL5791** A: 1.20" (30.48) B: 1.09" (27.70)	Zinc Plated Steel

Metal Raceway
HBL500 and HBL750 Series

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Fittings		HBL500 & HBL750 Series		Color
Box Connector For connecting raceway to conduit boxes or panel boxes having KO for conduit. May also be used for conduit type fittings.		**HBL5781** ½" (12.7) Male A: .75" (19.1) B: 1.24" (31.62)	**HBL5781A** ¾" (19.1) Male A: .75" (19.1) B: 1.24" (31.62)	Zinc Plated Steel
Conduit Connector For connecting raceway to conduit.		**HBL5782C** ½" (12.7) Female A: .75" (19.1) B: 1.75" (44)	**HBL5782A** ¾" (19.1) Female A: .75" (19.1) B: 1.75" (44)	Zinc Plated Steel
Grounding Clamp Provides grounding means for ½ in. trade size conduit using locknut.		**HBL5709GC** A: 1.04" (26.03) B: 1.18" (29.84)		Galvanized Steel
Special Nipple For hanging or connecting either .375 in. (9.5) or .5 in. (12.7) fixtures to Hubbell fittings with ½ in. trade size KOs.		**HBL5780** A: .63" (16.00)		Zinc Plated Steel
Armored Cable Connector For connecting 14/2, 14/3, 12/2 and 12/3 "MC" and armored cable to Hubbell fittings. A short piece of HBL500 or HBL750 Series Raceway must be used between this connector and the Hubbell fitting. Not for connection to ½ in. (12.7) flex conduit.		**HBL5790B** A: 2.00" (50.80) B: .99" (25.25)		Galvanized Steel
Ground Clamp Used to provide additional grounding of raceway or to ground remotely located devices. Attach ground wire to screw as required by National Electrical Code.		**HBL5709** A: 2.00" (50.80)		Galvanized Steel

Tools		HBL500 Series	HBL750 Series
Cutter Portable cutter for HBL500 and HBL750 Series Raceways.		**HBL605CUT** A: 19.70" (499.30) B: 20.00" (508.00)	**HBL607CUT** A: 19.64" (498.76) B: 20.00" (508.00)
Cutter Replacement Blade		**HBL605K** A: 4.31" (109.51) B: 1.50" (38.04)	**HBL607K** A: 4.31" (109.51) B: 1.76" (44.78)
Raceway Bender Portable bender for HBL500 and HBL750 Series Raceways.		**HBL600B** A: 35.47" (901.03) B: 9.41" (238.99)	**HBL600B** A: 35.47" (901.03) B: 9.41" (238.99)

Touch-Up Paint		HBL500 & HBL750 Series	Color
Touch-Up Paint Pen		**HBLIWEP** **HBLWWEP**	Ivory White

Metal Raceway
HBL2000, HBL2000A, HBL2400, HBL2400D and Metal PlugTrak® Series
Features and Benefits

Innovative Box Design

- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.

- Rounded corners eliminate sharp edges.

- One seam construction provides "clean" look.

- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed.

- **NEW!** Full line of metal wallplates available. See page O-68 for selection.

HBL2000A Raceway

- Cover is 0.040" (1.016) thick which allows up to 600V AC.

- Higher capacity power applications (up to 26 #12AWG wires).

- Available in cover only or base and cover options.

HBL2400 and HBL2400D Raceway

- Increased capacity, more than the HBL2000 Series Raceway.

- Divided base allows for dual services within one raceway profile.

Metal Raceway
HBL2000, HBL2000A, HBL2400, HBL2400D and Metal PlugTrak® Series
Features and Benefits

Transition Fitting

- UL Classified to transition from Wiremold® Metal Surface Raceway to Hubbell Metal Raceway.

- Complete line of transition fittings for HBL2000, HBL2400 and HBL2400D Series Metal Raceway.

Wiremold® V2000 to Hubbell HBL2000 Series utilizing Hubbell transition fitting.

Bend Radius Fittings

- 1½ in. (38.10) bend radius.

- Ideal for high speed data cables including Category 5, 5e, 6 and 6a applications.

Metal PlugTrak® Featuring Exclusive Receptacle Design

- Gray or ivory scratch resistant finish.

- Multiple spacing configurations.

- Hubbell designed and manufactured single receptacle.

- Insulation displacement wiring provides superior wire retention.

- Mates with HBL2000 Series Metal Raceway.

- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths.

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Metal Raceway
HBL2000 and HBL2000A Series

UL LISTED **CSA CERTIFIED**

Raceway

		Catalog Numbers	Length	Color
Single Channel Base and Cover Cover is 0.025 in. (0.635) thick up to **300V AC** applications. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		HBL2000BCIV HBL2000BCGY A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)	5 ft.	Ivory Gray
Single Channel Base and Cover Cover is 0.040 in. (1.016) thick up to **600V AC** or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		HBL2000BCAIV HBL2000BCAGY A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)	5 ft.	Ivory Gray
Base Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		HBL2000B5IV HBL2000B5GY A: 60.00" (1,524.00) B: 1.31" (33.27)	5 ft.	Ivory Gray
Cover Cover is 0.025 in. (0.635) thick up to **300V AC** applications. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		HBL2000CIV HBL2000CGY A: 60.00" (1,524.00) B: 1.31" (33.27)	5 ft.	Ivory Gray
Cover Cover is 0.040 in. (1.016) thick up to **600V AC** or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		HBL2000CAIV HBL2000CAGY A: 60.00" (1,524.00) B: 1.31" (33.27)	5 ft.	Ivory Gray
Wire Clip (Plated) For holding conductors in place in the raceway base. For use when using the **HBL2000CIV/GY** cover only.		HBL2000WC A: .44" (11.18) B: .24" (6.03) C: 1.24" (31.50)		Galvanized Steel
Wire Clip (Plated) For holding conductors in place in the raceway base. For use when using the **HBL2000CAIV/GY** cover only.		HBL2000WCA A: .44" (11.18) B: .60" (15.17) C: 1.24" (31.50)		Galvanized Steel
Coupling (Plated) For joining lengths of HBL2000 Raceway.		HBL2001C A: 2.00" (50.80)		Galvanized Steel
Supporting Clip For temporarily supporting lengths of HBL2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.		HBL2003SC A: 2.00" (50.80)		Galvanized Steel

Boxes

		Catalog Numbers	Color
1-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.		HBL2048IV HBL2048GY A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	Ivory Gray
2-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.		HBL20482IV HBL20482GY A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	Ivory Gray

Metal Raceway
HBL2000 and HBL2000A Series

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Fittings		Catalog Numbers	Color
Internal Corner Coupling For surfaces at right angles, or for use as a straight-through fitting. Furnished with one fiber bushing.		HBL2017TC A: 1.30" (32.98) B: 1.40" (35.56)	Galvanized Steel
Internal Elbow - Bend Radius For inside surface at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6a applications.		HBL2017BRIV* HBL2017BRGY* A: .85" (21.56) B: 3.47" (88.11)	Ivory Gray
External Elbow Coupling For right angle turns around external corners.		HBL2018CIV HBL2018CGY A: 1.88" (47.75)	Ivory Gray
External Elbow - Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6a applications.		HBL2018BRIV* HBL2018BRGY* A: 5.11" (129.72)	Ivory Gray
90° Flat Elbow For right angle turns on same surface.		HBL2011IV* HBL2011GY* A: 2.56" (65.02)	Ivory Gray
Flat Elbow - Bend Radius For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6a applications.		HBL2011BRIV* HBL2011BRGY* A: 4.29" (109.03)	Ivory Gray
Tee Fitting For branches at right angles. Couplings furnished.		HBL2015IV* HBL2015GY* A: 6.00" (152.40) B: 2.81" (71.44) C: 4.00" (101.60)	Ivory Gray
Tee Fitting - Bend Radius For branches at right angles. Couplings furnished. Suitable for Category 5, 5e, 6 and 6a applications.		HBL2015BRIV* HBL2015BRGY* A: 7.35" (186.78) B: 4.33" (110.00)	Ivory Gray
Blank End Fitting For closing open end of HBL2000 Raceway.		HBL2010BIV HBL2010BGY A: .78" (19.94)	Ivory Gray
Entrance End Fitting For connecting HBL2000 Raceway with one ½ in. conduit and armored cable connectors.		HBL2010A2IV HBL2010A2GY A: 3.01" (76.45) B: 1.30" (33.02) C: 1.49" (37.85)	Ivory Gray
Large Capacity Entrance End Fitting Offers larger capacity than **HBL2010A2IV/GY**. One ½ in. trade size KO on each side, ½ in. and ¾ in. concentric KOs on end and bottom.		HBL2010A3IV HBL2010A3GY A: 3.69" (93.80) B: 2.02" (51.18) C: 1.79" (45.36)	Ivory Gray

*Note: * **HBL2001C** couplings included.*

Metal Raceway
HBL2000 and HBL2000A Series

UL LISTED **CSA** CERTIFIED

Fittings		Catalog Numbers	Color
Ground Clamp (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway.		HBL2009GC A: 1.00" (25.64)	Galvanized Steel
Cover Clip Use to cover potential openings where two pieces of HBL2000 Raceway cover come together.		HBL2006IV HBL2006GY A: .75" (19.05)	Ivory Gray
End Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through end of HBL2000 Raceway.		HBL2089EIV A: .78" (19.81)	Ivory
Side Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through side of HBL2000 Raceway.		HBL2089IV* A: 6.00" (152.40) B: 3.25" (82.55)	Ivory
Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. ½ in. threaded stud with steel locknut for grounding.		HBL2051HIV HBL2051HGY A: 4.50" (114.30)	Ivory Gray
Transition Fitting For transitioning from Wiremold® 2000 Raceway to Hubbell HBL2000 Raceway.		HBL2000TFIV HBL2000TFGY A: .82" (20.71) B: 1.38" (35.12) C: 2.04" (51.82)	Ivory Gray

Cutter		Catalog Numbers
Cutter Portable cutter for HBL2000 Series Raceway.		HBL620C A: 20.50" (520.80) B: 20.00" (508.00)
Cutter Replacement Blade Set		HBL620BCK A: 1.10" (27.94) B: 4.50" (114.30) C: 4.53" (115.06)

Touch-Up Paint		Catalog Numbers	Color
Touch-Up Paint Pen		HBLIWEP HBLGWEP	Ivory Gray

*Note: * **HBL2001C** couplings included.*

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Metal Raceway
Metal PlugTrak®

UL LISTED CSA CERTIFIED

Metal PlugTrak® - 3 Ft. Base and Cover

Catalog Numbers				# Single	Receptacle
Ivory	Gray	Amp	Circuits	Receptacles	Spacing (in.)
HBL20GB306IV	HBL20GB306GY	15	Single	6	6
HBL20IG306IV	HBL20IG306GY	15	IG/Single	6	6
HBL24GB306IV	HBL24GB306GY	20	Single	6	6

Metal PlugTrak® - 5 Ft. Base and Cover

Catalog Numbers				# Single	Receptacle
Ivory	Gray	Amp	Circuits	Receptacles	Spacing (in.)
HBL20GB506IV	HBL20GB506GY	15	Single	10	6
HBL20GB512IV	HBL20GB512GY	15	Single	5	12
HBL20GBA512IV	HBL20GBA512GY	15	Two	5	12
HBL20IG512IV	HBL20IG512GY	15	IG/Single	5	12
HBL24GB506IV	HBL24GB506GY	20	Single	10	6
HBL24GB512IV	HBL24GB512GY	20	Single	5	12
HBL24GBA512IV	HBL24GBA512GY	20	Two	5	12

Metal PlugTrak® - 6 Ft. Base and Cover

Catalog Numbers				# Single	Receptacle
Ivory	Gray	Amp	Circuits	Receptacles	Spacing (in.)
HBL20GB606IV	HBL20GB606GY	15	Single	12	6
HBL20GB609IV	HBL20GB609GY	15	Single	8	9
HBL20GB612IV	HBL20GB612GY	15	Single	6	12
HBL20GB618IV	HBL20GB618GY	15	Single	4	18
HBL20GBA609IV	HBL20GBA609GY	15	Two	8	9
HBL20GBA612IV	HBL20GBA612GY	15	Two	6	12
HBL20GBA618IV	HBL20GBA618GY	15	Two	4	18
HBL20IG606IV	HBL20IG606GY	15	IG/Single	12	6
HBL24GB606IV	HBL24GB606GY	20	Single	12	6
HBL24GB612IV	HBL24GB612GY	20	Single	6	12
HBL24GB618IV	HBL24GB618GY	20	Single	4	18
HBL24GBA612IV	HBL24GBA612GY	20	Two	6	12
HBL24GBA618IV	HBL24GBA618GY	20	Two	4	18

Boxes and Fittings

Description	Color	Catalog Numbers
Cover Clip	Ivory	HBL2006IV
	Gray	HBL2006GY
Supporting Clip	Galv. Steel	HBL2003SC*
Coupling	Galv. Steel	HBL2001C
Internal Corner Coupling	Galv. Steel	HBL2017TC
External Elbow	Ivory	HBL2018CIV
	Gray	HBL2018CGY
Flat Elbow	Ivory	HBL2011IV
	Gray	HBL2011GY
Tee	Ivory	HBL2015IV
	Gray	HBL2015GY
Entrance End Fitting	Ivory	HBL2010A2IV
	Gray	HBL2010A2GY
Large Entrance End Fitting	Ivory	HBL2010A3IV
	Gray	HBL2010A3GY
Blank End Fitting	Ivory	HBL2010BIV
	Gray	HBL2010BGY
1-Gang Device Box	Ivory	HBL2048IV
	Gray	HBL2048GY
2-Gang Device Box	Ivory	HBL20482IV
	Gray	HBL20482GY

Note: For detailed descriptions, photos and dimensions see pages O-16 to O-18.

Portable Metal PlugTrak®

Catalog Numbers		Length	Cord Length			# Single
Ivory	Gray	(in.)	(ft.)	Amp	Circuits	Receptacles
HBL20C215IV	HBL20C215GY	40	6	15	Single	6
HBL20C315IV	HBL20C315GY	64	6	15	Single	10

*Notes: * HBL2003SC - Support Clip for supporting Portable Metal PlugTrak only.*
*Hubbell Metal PlugTrak is supplied with two **HBL2010B(IV)** or **(GY)** Blank End Fittings, one **HBL2001C** and a 15A circuit breaker.*
"IV" suffix to catalog number for ivory finish. "GY" suffix to catalog number for gray finish.
Outlets match raceway color. "IG" Isolated receptacles are orange color.

Metal Raceway
HBL2400 and HBL2400D Series

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Raceway		Catalog Numbers	Length	Color
Single Channel Base and Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		**HBL2400BCIV** A: 60.00" (1,524.00) B: 1.91" (48.51) C: .88" (22.40)	5 ft.	Ivory
Base, Divided Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths.		**HBL2400BDIV** A: 120.00" (3,048.00) B: 1.91" (48.51)	10 ft.	Ivory
Base, Undivided Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		**HBL2400BIV** A: 60.00" (1,524.00) B: 1.91" (48.51)	5 ft.	Ivory
Base, Undivided Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths.		**HBL2400B10IV** A: 120.00" (3,048.00) B: 1.91" (48.51)	10 ft.	Ivory
Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		**HBL2400CIV** A: 60.00" (1,524.00) B: 1.89" (48.00)	5 ft.	Ivory
Wire Clip (Plated) For holding conductors in place.		**HBL2400WC** A: 1.69" (42.93) B: 1.00" (25.40) C: .79" (20.00)		Galvanized Steel
Coupling (Plated), Divided For joining lengths of HBL2400 Raceway.		**HBL2401DC** A: 2.00" (50.80) B: 1.86" (47.24)		Galvanized Steel
Coupling (Plated), Undivided For joining lengths of HBL2400 Raceway.		**HBL2401C** A: 2.00" (50.80) B: 1.86" (47.24)		Galvanized Steel

Boxes		Catalog Numbers		Color
1-Gang Device Box, Undivided For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.		**HBL2448IV** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)		Ivory
2-Gang Device Box, Undivided For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.		**HBL24482IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)		Ivory

Metal Raceway
HBL2400 and HBL2400D Series

UL LISTED **CSA CERTIFIED**

Boxes		Divided	Undivided	Color
1-Gang Device Box - Extra Deep For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box (undivided box pictured).		**HBL2444DIV** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	**HBL2444IV** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	Ivory
2-Gang Device Box - Extra Deep For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box (undivided box pictured).		**HBL2444D2AIV** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)	**HBL24442IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)	Ivory

Fittings		Divided	Undivided	Color
Internal Elbow - Bend Radius For inside surfaces at right angles, requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6a applications.		**HBL2417DFOIV*** A: 1.91" (48.51) B: 3.60" (91.30)	**HBL2417IV**** A: 1.91" (48.51) B: 3.60" (91.30)	Ivory
External Elbow - Bend Radius For right angle turns around external corners. Suitable for Category 5, 5e, 6 and 6a applications.		**HBL2418DFOIV*** A: 1.91" (48.51) B: 3.83" (97.28)	**HBL2418IV**** A: 1.91" (48.51) B: 3.83" (97.28)	Ivory
90° Flat Elbow - Bend Radius For right angle turns on same surface. Suitable for Category 5, 5e, 6 and 6a applications.		**HBL2411DFOIV*** A: 6.00" (152.40) B: 5.00" (127.00) C: .90" (22.86)	**HBL2411IV**** A: 6.00" (152.40) B: 5.00" (127.00) C: .90" (22.86)	Ivory
Tee Fitting - Bend Radius For branches at right angles. Suitable for Category 5, 5e, 6 and 6a applications.		**HBL2415DFOIV*** A: 7.30" (185.42) B: 4.99" (126.75) C: 1.44" (36.58)	**HBL2415IV**** A: 7.30" (185.42) B: 4.99" (126.75) C: 1.44" (36.58)	Ivory
Entrance End Fitting For connecting HBL2400 Raceway with one ½ in. conduit and armored cable connectors.		–	**HBL2410AIV** A: 1.16" (29.50) B: 1.89" (49.00) C: 1.66" (42.20)	Ivory
Blank End Fitting For closing open end of HBL2400 Raceway.		**HBL2410BDIV** A: 1.17" (29.72) B: 1.96" (49.78) C: .84" (21.34)	**HBL2410BIV** A: 1.17" (29.72) B: 1.96" (49.78) C: .84" (21.34)	Ivory
Entrance End Fitting End fitting with ½ in. and ¾ in. concentric trade size KOs on end and bottom. Additional ½ in. trade size KOs on sides.		–	**HBL2410CIV** A: 3.69" (93.8) B: 2.02" (51.2) C: 1.79" (45.4)	Ivory
Entrance End Fitting - Divided, Bend Radius Divided, bend radius end fitting to feed HBL2400 and HBL2400D Series Raceway. Includes 1 in. and ¾ in. trade size KOs on back and end. Removable divider and bend radius inserts included.		–	**HBL2410DFOIV** A: 7.08" (179.83) B: 4.72" (119.89) C: 2.76" (70.10)	Ivory
Entrance End Fitting - Full Capacity Full capacity entrance end to feed HBL2400 Series Raceway. Includes three 1 in. and ¾ in. concentric trade size KOs.		–	**HBL2410FCIV** A: 3.04" (77.23) B: 2.61" (66.29) C: 2.23" (56.64)	Ivory

Notes: * **HBL2401DC** couplings included.   ** **HBL2401C** couplings included.

Metal Raceway
HBL2400 and HBL2400D Series

Fittings

Fittings		Catalog Numbers	Color
Lamp Holder Medium base lamp holder 660W 250V ceramic.		**HBL2426IV*** A: 5.00" (127.00) B: 1.89" (48.01) C: 1.03" (26.16)	Ivory (Cover) White Ceramic (Lamp Holder)
Duplex Receptacle Frame Use this frame in conjunction with duplex receptacles below.		**HBL24DRK*** A: 5.26" (133.60) B: 2.00" (50.80)	Ivory
Duplex Receptacle - 15A **Duplex Receptacle - 15A, Isolated Ground** **Duplex Receptacle - 20A** **Duplex Receptacle - 20A, Isolated Ground** #12 AWG THHN stranded copper wires with 20 in. leads on each end.		**PT2RC*** **PT2RCIG*** **PT2R*** **PT2RIG*** A: 4.00" (101.60) B: 1.24" (31.50) C: .84" (21.34)	Ivory Orange Ivory Orange
Single Receptacle Frame Use this frame in conjunction with single receptacles below.		**HBL24SRK*** A: 3.26" (82.80) B: 2.00" (50.80)	Ivory
Single Receptacle - 15A **Single Receptacle - 15A, Isolated Ground** **Single Receptacle - 20A** **Single Receptacle - 20A, Isolated Ground** #12 AWG THHN stranded copper wires with 21 in. leads on each end.		**PT1RCIV*** **PT1RCIG*** **PT1RIV*** **PT1RIG*** A: 2.00" (50.80) B: 1.20" (30.48) C: .87" (22.10)	Ivory Orange Ivory Orange
Duplex Bracket and Frame Use in low voltage applications with **BR106AL** and **Q106AL** frames found on page O-68.		**HBL24106DRK*** A: 6.00" (152.40) B: 2.02" (51.31)	Ivory
Receptacle Bracket and Frame Use in low voltage applications with **ISFxxAL** frames found on page O-68.		**HBL24106RRK*** A: 6.00" (152.40) B: 2.02" (51.31)	Ivory
Bridge Fitting For allowing HBL2400 Series Raceway to bridge over existing installations of HBL2400, HBL750 and HBL500 Series Raceways.		**HBL2475DBRIV** A: 5.60" (142.24) B: 2.92" (74.17) C: 1.63" (41.40)	Ivory
Transition Fitting, Undivided For transitioning from Wiremold® 2400 Raceway to Hubbell HBL2400 Raceway.		**HBL2400TFIV** A: 2.02" (51.31) B: 1.06" (26.92)	Ivory
Transition Fitting, Divided For transitioning from Wiremold® 2400D Raceway to Hubbell HBL2400D Raceway.		**HBL2400DTFIV** A: 2.02" (51.31) B: 1.06" (26.92)	Ivory

*Note: * Only used on HBL2400 Series Undivided Raceway.* *Wiremold® is a registered trademark of the Wiremold Company.*

Metal Raceway
HBL2400 and HBL2400D Series

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Fittings		Catalog Numbers	Color
Ground Clamp (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway.		**HBL2409GC** A: .41" (10.41)	Galvanized Steel
Cover Clip Use to cover potential openings where two pieces of HBL2400 Raceway cover come together.		**HBL2406IV** A: 1.50" (38.10)	Ivory
End Reducing Connector For connecting HBL2400 Raceway to HBL2000 Raceway through end of HBL2400 Raceway.		**HBL2420REDIV*** A: 3.81" (96.77) B: 2.07" (52.58) C: .90" (22.86)	Ivory
End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through end of HBL4750 Raceway. Includes **HBL2401DC** coupling (**HBL4751AC** not included).		**HBL4724REDIV** A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)	Ivory
Side Reducing Connector For connecting HBL2400 Raceway to HBL2000 Raceway through side of HBL2400 Raceway.		**HBL2489IV*** A: 3.75" (95.25) B: 1.91" (48.51) C: .82" (20.83)	Ivory
Flush Plate Adaptor For feeding HBL2400 Raceway from an existing wall outlet box ½ in. trade size male nipple. Provided with locknut for grounding.		**HBL2451HIV*** A: 4.50" (114.30)	Ivory

Cutter		Catalog Numbers
Cutter Portable cutter for HBL2400/HBL2400D Series Raceway.		**HBL624CUT** A: 21.44" (544.58) B: 20.00" (508.00)
Cutter Replacement Blade Set		**HBL624BCK** A: 1.48" (37.10) D: 5.31" (134.90) B: 5.25" (133.40) E: 1.10" (27.90) C: 1.98" (50.40)

Touch-Up Paint		Catalog Numbers	Color
Touch-Up Paint Pen		**HBLIWEP**	Ivory

*Note: * Only used on HBL2400 Series Undivided Raceway.*

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HBL3000 Series		HBL3000 Series		HBL4750 Series	
1 HBL3000CEIV		**6** HBL3011EIV		**11** HBL4750CIV	
2 HBL3000BIV		**7** HBL3043BEIV		**12** HBL4750B10IV	
3 HBL3010CIV		**8** HBL3017TCEIV		**13** HBL4774AIV	
4 HBL3006EIV		**9** HBL3018AEIV		**14** HBL4711DFOIV	
5 HBL3015EIV		**10** HBL30442IV		**15** HBL4715DFOIV	

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HBL4750 Series		
16 HBL4747BBIV		
17 HBL4717DFOIV		
18 HBL47472BBBBIV		
19 HBL4747BFIV		
20 HBL4710BIV		

HBL6750 Series		
21 HBL6750CIV		
22 HBL6750B10IV		
23 HBL6774AIV		
24 HBL6717DFOIV		
25 HBL67473BBBBFFIV		

HBL6750 Series		
26 HBL67473BBBBBBIV		
27 HBL6711DFOIV		
28 HBL6750IV		
29 HBL6756AIV		
30 HBL6710DFOIV		

Metal Raceway
HBL3000 Series
Features and Benefits

Extensive Line

- Full line of large, single channel, two piece metal raceway.

- Easily mounts on walls or bench tops.

- Large single channel base for power or datacom cables.

- UL Listed and CSA Certified.

- Available in ivory or gray powder coat finish.

Plates and Covers

- Wide range of covers and cover plates accommodate the most demanding applications.

- Removable cover and cover plates provide easy access to wiring compartment.

- Precut covers and plates provide quick installation and are available in common configurations.

Metal Raceway
HBL3000 Series
Features and Benefits

Transition Fittings

- UL Classified to transition from Wiremold® 3000 Series Metal Raceway to Hubbell HBL3000 Series Metal Raceway.

- Reducer fitting provides transition from Hubbell HBL3000 Series to Hubbell HBL2000 Series Raceway.

Wiremold® 3000 Series to Hubbell HBL3000 Series utilizing Hubbell transition fitting.

Boxes

- Hubbell Handi-Screw® eliminates "difficult-to-install" long screws for faster mounting.

- Rounded corners eliminate sharp edges.

- One seam construction provides "clean" look.

- Large capacity allows for the installation of 30, 50 or 60A receptacles.

- Utility box can be used as a tee, cross, junction box or as a branch circuit extension.

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Metal Raceway
HBL3000 Series

Available in PRE-WIRED

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Raceway		Catalog Numbers	Length	Color
Single Channel Base Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 2.75" (69.85) H: 1.53" (38.86)		HBL3000BIV HBL3000BGY A: 2.73" (69.34) B: 1.47" (37.34)	10 ft.	Ivory Gray
Cover Packed 100 ft. (30.5m) per carton, 5 ft. (1.5m) lengths.		HBL3000CEIV HBL3000CEGY A: 60.00" (1,524.00) B: 2.75" (69.85)	5 ft.	Ivory Gray
7.5 In. Precut Cover For mounting devices on 12 in. (305.00) centers. Packed 10 pieces per carton.		HBL3000C075IV HBL3000C075GY A: 7.50" (190.50) B: 2.75" (69.85)	7.5 in.	Ivory Gray
19.5 In. Precut Cover For mounting devices on 24 in. (610.00) centers. Packed 10 pieces per carton.		HBL3000C195IV HBL3000C195GY A: 19.50" (495.30) B: 2.75" (69.85)	19.5 in.	Ivory Gray
Wire Clip (Plated) For holding conductors in place.		HBL3000WCGY A: 1.00" (25.40)		Galvanized Steel
Coupling (Plated) For joining lengths of HBL3000 Raceway.		HBL3001GY A: 2.20" (55.75)		Galvanized Steel
Rigid Inside Coupling (Plated) For joining lengths of HBL3000 Raceway when added rigidity is required, i.e. raceway suspended overhead.		HBL3001AGY A: 6.00" (152.40)		Galvanized Steel
Supporting Clip For supporting lengths of HBL3000 Raceway at any point. Mount with #8 flat head fastener. Has set screw for locking to raceway.		HBL3003IV HBL3003GY A: 2.81" (71.33) B: .75" (19.05)		Ivory Gray

Boxes		Catalog Numbers	Color
Utility Box Cover has twistouts on all sides, allows for box to be used as tee, cross, junction box or for branch circuit extensions.		HBL3028IV HBL3028GY A: 6.41" (162.89) B: 6.41" (162.89) C: 1.90" (48.26)	Ivory Gray
2-Gang Extra Deep Switch and Receptacle Box For standard 30, 50 and 60A straight blade receptacles.		HBL30442IV HBL30442GY A: 6.38" (162.05) B: 6.38" (162.05) C: 2.75" (69.85)	Ivory Gray

Metal Raceway
HBL3000 Series

Fittings		Catalog Number	Color
Internal Corner Coupling For surfaces at right angles or for use as a straight-through fitting.		HBL3017TCEIV HBL3017TCEGY A: 2.61" (66.29)	Ivory Gray
External Corner Coupling For right angle turns around external corners.		HBL3018AEIV HBL3018AEGY A: 4.00" (101.60)	Ivory Gray
90° Flat Elbow For right angle turns on same surface.		HBL3011EIV HBL3011EGY A: 6.40" (162.40) B: 6.00" (152.40)	Ivory Gray
Tee Fitting For branches at right angles. Couplings furnished.		HBL3015EIV HBL3015EGY A: 10.31" (261.94) B: 8.00" (203.20)	Ivory Gray
Wall Box Connector For connecting to HBL3000 Raceway from a flush mounted wall box.		HBL3014CIV HBL3014CGY A: 3.28" (83.31) B: 8.00" (203.20)	Ivory Gray
Blank End Fitting For closing open end of HBL3000 Raceway. Has concentric ½ in. and ¾ in. trade size KOs.		HBL3010BIV HBL3010BGY A: 2.71" (68.92) B: 1.79" (45.36) C: 1.41" (35.84)	Ivory Gray
Entrance End Fitting For connecting HBL3000 Raceway with ½ in. conduit and armored cable connectors.		HBL3010AEIV HBL3010AEGY A: 2.75" (69.85) B: 3.42" (86.87)	Ivory Gray
Entrance End Fitting For connecting HBL3000 Raceway with rigid or flexible conduit. Concentric ½ in., ¾ in. and 1 in. trade size KOs on end and each side.		HBL3010CIV HBL3010CGY A: 2.75" (69.85) B: 3.25" (82.55) C: 2.00" (50.80)	Ivory Gray
Take-Off Connector (Reducer) Transition Hubbell HBL3000 Raceway to Hubbell HBL2000 Raceway.		HBL3200REDIV HBL3200REDGY A: 2.75" (69.85) B: 2.25" (57.15)	Ivory Gray
Panel Connector To connect HBL3000 Raceway with surface type boxes.		HBL3086IV HBL3086GY A: 4.60" (116.71) B: 1.19" (30.16) C: 3.00" (76.20) D: 1.94" (49.40) E: 3.76" (95.50)	Ivory Gray

Metal Raceway
HBL3000 Series

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Fittings		Catalog Numbers	Color
Cover Clip Use to cover potential openings where two pieces of HBL3000 Raceway come together.		**HBL3006EIV** **HBL3006EGY** A: 2.78" (70.60) B: .75" (19.05)	Ivory Gray
Transition Fitting For transitioning from Wiremold® 3000 Raceway to Hubbell HBL3000 Raceway.		**HBL3000TFIV** **HBL3000TFGY** A: 2.85" (72.39) B: 2.15" (54.61) C: 1.50" (38.04)	Ivory Gray
Conduit Connector To connect end of HBL3000 Raceway to 1½ in. trade size conduit or connector.		**HBL3082GY** A: 2.91" (74.00) B: 2.75" (69.85)	Gray
Tap-Off Fitting Has concentric ½ in. and ¾ in. trade size KOs and twistout for communication cables.		**HBL3046H2IV** **HBL3046H2GY** A: 4.75" (120.65)	Ivory Gray

Device Bracket and Cover Plates		Catalog Numbers	Color
Device Bracket For mounting standard devices in HBL3000 Raceway. Use with commercially available flush plate (not furnished).		**HBL3007CGY** A: 4.50" (114.30) B: 3.28" (83.31)	Galvanized Steel
Single Receptacle Cover For installing straight blade and locking single receptacles with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). Includes **HBL3007CGY** device bracket.		**HBL3027AEIV** **HBL3027AEGY** A: 4.50" (114.30)	Ivory Gray
Single Receptacle Cover For installing straight blade and locking single receptacles with face diameters of 1.56 in. to 1.57 in. (39.62 to 39.88). Includes **HBL3007CGY** device bracket.		**HBL3033JEIV** **HBL3033JEGY** A: 4.50" (114.30)	Ivory Gray
Blank Cover Has one ½ in. trade size KO in center. Includes **HBL3007CGY** bracket.		**HBL3036HEIV** **HBL3036HEGY** A: 4.50" (114.30)	Ivory Gray
Switch Cover For installing single pole, two pole, three way or four way switches. Includes **HBL3007CGY** device bracket.		**HBL3040CEIV** **HBL3040CEGY** A: 4.50" (114.30)	Ivory Gray

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Metal Raceway
HBL3000 Series

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Device Bracket and Cover Plates	Catalog Numbers	Color
Duplex Receptacle Cover For installing 15A and 20A duplex receptacles and duplex communication devices. Includes **HBL3007CGY** device bracket.	**HBL3043BEIV** **HBL3043BEGY** A: 4.50" (114.30)	Ivory Gray
Duplex Receptacle Cover For high strain/vibration. For installing 15A and 20A duplex receptacles and duplex communication devices. Includes device brackets.	**HBL3046BEIV** **HBL3046BEGY** A: 4.50" (114.30)	Ivory Gray
Rectangular Style Line® Receptacle Cover For installing 15A and 20A rectangular duplex receptacles, GFCI, surge devices, and rectangular communication devices. Includes **HBL3007CGY** device bracket.	**HBL3048RIV** **HBL3048RGY** A: 4.50" (114.30)	Ivory Gray
Extension Cover Cover accepts 3 wire 30A and 50A devices and standard commercially available flush plates. Includes **HBL3007CGY** device bracket. See section K for plate options.	**HBL3051LEIV** **HBL3051LEGY** A: 4.50" (114.30)	Ivory Gray

Tools	Catalog Numbers
Base Cutter Portable cutter for HBL3000 Raceway Base.	**HBL630B** A: 37.14" (943.48) B: 30.00" (782.00)
Replacement Blade Cutter and Die Set Base blade set.	**HBL630BDK** A: 8.50" (215.90) B: 1.78" (45.34)
Cover Cutter Portable cutter for HBL3000 Raceway Cover.	**HBL630C** A: 38.48" (977.34) B: 20.00" (508.00)
Replacement Blade Cutter and Die Set Cover blade set.	**HBL630CDK** A: 7.00" (177.80) B: 1.10" (27.94)

Touch-Up Paint	Catalog Numbers	Color
Touch-Up Paint Pen	**HBLIWEP** **HBLGWEP**	Ivory Gray

Metal Raceway
HBL4750 Series
Features and Benefits

HBL4750 Device Bracket

- HBL4750 Device Bracket Plate provides excellent solution for power, data, voice, audio and video applications.

- For use with Hubbell KP plates and Hubbell iSTATION™ modules and bezels.

- Provides flush finish with overlap feature to hide potential miscuts.

Panel Connector

- Connects HBL4750 Raceway with surface type panel boxes.

- Accommodates maximum wire capacity of HBL4750 System.

Extensive Line

- 1¼ in. (31.75) bend radius fittings meet TIA/EIA requirements.

- Integral bend radius offers a fixed solution that does not have to be installed as an option.

- Large cross sectional area provides for maximum cable capacity throughout entire system.

- Available external, internal, flat, tee and entrance end fittings.

- UL Listed, CSA Certified.

- Available in ivory or gray powder coat finish.

Metal Raceway
HBL4750 Series
Features and Benefits

Application Capacity and Flexibility

- Flexible channel divider provides industry leading data capacity in the same profile with a 2/3 datacom split.

- By-Pass Divider opening accepts GFCI or surge devices to be mounted in 70/30 divided channel.

- Greater capacity offers more room for moves, adds and changes.

- 50/50 split available by utilizing standard divider and divider clips.

- Raceway channel can also be used with no divider for maximum cable fill in single service applications.

End Reducing Connector

- Connects HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway.

- Used to connect two different sized raceway profiles.

Plates and Covers

- Wide variety of overlapping cover plates provide flexibility for power, data, voice, audio and video applications.

- Cover plates accept wide selection of Hubbell iSTATION™ modules and bezels.

- Cover plates help to conceal unsightly gaps caused by miscuts.

- Precut cover options allow for 12 in. (304.80), 18 in. (457.20), 24 in. (609.60) and 36 in. (914.40) center mounting.

- Open System architecture available.

Metal Raceway
HBL4750 Series

Available in
PRE-WIRED

UL LISTED   CSA CERTIFIED

Raceway		Catalog Numbers	Length	Color
Base Packed 50 ft. (15.24m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.75" (120.65) H: 1.75" (44.45)		**HBL4750B10IV** **HBL4750B10GY** A: 120.00" (3048.00) B: 4.75" (120.65) C: 1.62" (41.20)	10 ft.	Ivory Gray
Cover Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths.		**HBL4750CIV** **HBL4750CGY** A: 60.00" (1,524.0) B: 4.75" (120.65)	5 ft.	Ivory Gray
7.5 In. Precut Cover* For mounting devices on approximately 12 in. (305.00) centers with HBL4747 and HBL4750 Plates. Packed 10 pieces per carton.		**HBL4750C075IV** **HBL4750C075GY** A: 7.50" (190.50) B: 4.75" (120.65)	7.5 in.	Ivory Gray
13.5 In. Precut Cover* For mounting devices on approximately 18 in. (457.00) centers with HBL4747 and HBL4750 Plates. Packed 10 pieces per carton.		**HBL4750C135IV** **HBL4750C135GY** A: 13.50" (342.90) B: 4.75" (120.65)	13.5 in.	Ivory Gray
19.5 In. Precut Cover* For mounting devices on approximately 24 in. (610.00) centers with HBL4747 and HBL4750 Plates. Packed 10 pieces per carton.		**HBL4750C195IV** **HBL4750C195GY** A: 19.50" (495.30) B: 4.75" (120.65)	19.5 in.	Ivory Gray
31.5 In. Precut Cover* For mounting devices on approximately 36 in. (915.00) centers with HBL4747 and HBL4750 Plates. Packed 10 pieces per carton.		**HBL4750C315IV** **HBL4750C315GY** A: 31.50" (800.10) B: 4.75" (120.65)	31.5 in.	Ivory Gray
Wire Clip (Plated) For holding conductors in place.		**HBL4750WCGY** A: 4.60" (116.74) B: 1.58" (40.13) C: 1.00" (25.40)		Galv. Steel
Divider Divides HBL4750 Raceway into two channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. **HBL4751DA** Divider Clips are required to hold divider in place.		**HBL4750DGY** A: 60.00" (1524.00) B: 1.51" (38.46)	5 ft.	Painted Steel
By-Pass Divider Divides HBL4750 Raceway into two channels with a 70/30 split. Allows for a larger power or datacom wire fill. **HBL4751DA** Divider Clips are required to hold divider in place.		**HBL4750BP** A: 7.12" (180.74) B: .89" (22.54)		Painted Steel
Divider Clip Required for holding **HBL4750DGY** in place. Use one every 2.5 ft. (.762m).		**HBL4751DA** A: 4.64" (117.77) B: 1.46" (37.07)		Galv. Steel
Coupling (Plated) For joining lengths of HBL4750 Raceway. Sold in pairs.		**HBL4751AC** A: 1.47" (37.30) B: .42" (10.59)		Galv. Steel

*Notes: * Device centers vary based on cover selection. Consult factory for details.*

Metal Raceway
HBL4750 Series

Fittings	Catalog Numbers	Color
Internal or External 45º Elbow For making internal or external turns in a run of HBL4750 Raceway.	**HBL4712TXIV** **HBL4712TXGY** A: 6.04" (153.45) B: 4.59" (116.59)	Ivory Gray
Internal Elbow, Divided For inside surfaces at right angles. Full capacity 1¼ in. bend radius internal elbow.	**HBL4717DFOIV*** **HBL4717DFOGY*** A: 4.74" (120.47) B: 4.75" (120.65)	Ivory Gray
Internal Elbow, Undivided For inside surfaces at right angles.	**HBL4717IV*** **HBL4717GY*** A: 4.74" (120.47) B: 4.75" (120.65)	Ivory Gray
Inverted Internal Elbow Connecting a vertical run of HBL4750 Raceway with a horizontal run.	**HBL4717NIV** **HBL4717NGY** A: 4.60" (116.84) B: 1.66" (42.29)	Ivory Gray
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.	**HBL4717TCAGY** A: 4.59" (116.59) B: 2.71" (68.73) C: 1.47" (37.34)	Galvanized Steel
External Elbow, Divided For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow.	**HBL4718DFOIV*** **HBL4718DFOGY*** A: 4.88" (123.90) B: 4.75" (120.65)	Ivory Gray
External Elbow, Undivided For right angle turns around external corners.	**HBL4718IV*** **HBL4718GY*** A: 4.88" (123.90) B: 4.75" (120.65)	Ivory Gray

*Note: * **HBL4751AC** couplings included.*

Metal Raceway
HBL4750 Series

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Fittings	Catalog Numbers	Color
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow.	**HBL4711DFOIV*** **HBL4711DFOGY*** A: 7.23" (183.76) B: 1.62" (41.15)	Ivory Gray
Flat Elbow, Undivided For right angle turns on same surface.	**HBL4711IV*** **HBL4711GY*** A: 7.23" (183.76) B: 1.62" (41.15)	Ivory Gray
Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	**HBL4715DFOIV*** **HBL4715DFOGY*** A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)	Ivory Gray
Tee Fitting, Undivided For branches at right angles.	**HBL4715IV*** **HBL4715GY*** A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)	Ivory Gray
Wall Box Connector For back feeding HBL4750 Raceway.	**HBL4714AIV** **HBL4714AGY** A: 12.00" (304.80) B: 4.75" (120.65) C: 1.62" (41.15)	Ivory Gray
Entrance End Fitting, Divided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in., 1¼ in. KO and removable divider.	**HBL4710DFOIV*** **HBL4710DFOGY*** A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)	Ivory Gray
Entrance End Fitting, Undivided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	**HBL4710IV*** **HBL4710GY*** A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)	Ivory Gray

*Note: * **HBL4751AC** couplings included.*

Metal Raceway
HBL4750 Series

UL LISTED **CSA** CERTIFIED

Fittings	Catalog Numbers	Color
Blank End Fitting For closing open end of HBL4750 Raceway. Has two ½ in. trade size KOs.	HBL4710BIV HBL4710BGY A: 4.59" (116.50) B: 1.64" (41.60) C: 1.31" (33.37)	Ivory Gray
Take-Off Connector (HBL4750 To HBL3000) For 90° tee connection of HBL3000 Raceway from HBL4750 Raceway.	HBL4774AIV HBL4774AGY A: 11.31" (287.38) B: 4.88" (124.00) C: 3.14" (79.78)	Ivory Gray
Connection Cover For covering potential openings where two covers come together.	HBL4756AIV HBL4756AGY A: 4.77" (121.16) B: .75" (19.05) C: .13" (3.36)	Ivory Gray
End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway. Includes **HBL2401DC** coupling (**HBL4751AC** not included).	HBL4724REDIV A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)	Ivory
Panel Connector To connect HBL4750 Raceway with surface type panel boxes.	HBL4786AIV HBL4786AGY A: 7.50" (190.50)	Ivory Gray
Transition Fitting For transitioning Wiremold® 4000 Raceway to Hubbell HBL4750 Raceway.	HBL4750TFIV HBL4750TFGY A: 5.02" (127.53) B: 2.79" (70.78)	Ivory Gray
2-Gang Tap-Off Fitting Has four concentric ½ in. and ¾ in. trade size KOs.	HBL4746H2IV HBL4746H2GY A: 4.75" (120.65) B: 4.75" (120.65)	Ivory Gray

Wiremold® is a registered trademark of The Wiremold Company.

Metal Raceway
HBL4750 Series

Mounting Bracket

Description		Catalog Numbers	Color
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION™ Modules and Bezels. See pages O-68 to O-69 for datacom product selection.		HBL4750IV HBL4750GY A: 5.25" (133.35) B: 4.76" (120.90)	Ivory Gray
1-Gang Commercial Device Plate Vertical Mount Use with commercially available 1-Gang flush plates. See section K for plate options. For single service applications only.		HBL4747CVMIV HBL4747CVMGY A: 2.50" (63.50) B: 4.75" (120.65)	Ivory Gray
2-Gang Commercial Device Plate Vertical Mount Use with commercially available 2-Gang flush plates. See section K for plate options. For single service applications only.		HBL4747CVM2IV HBL4747CVM2GY A: 4.32" (109.86) B: 4.75" (120.65)	Ivory Gray

Overlapping Cover Plates (Include Mounting Bracket)

Description		Catalog Numbers	Color
2-Gang Cover, Single Round Opening, One Blank For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.00 to 36.00).		HBL4747AXIV HBL4747AXGY A: 5.43" (137.97) B: 4.75" (120.65)	Ivory Gray
2-Gang, One Duplex Opening, One Blank For 15A and 20A duplex receptacles and duplex communication frames.		HBL4747BXIV HBL4747BXGY A: 5.43" (137.97) B: 4.75" (120.65)	Ivory Gray
2-Gang, Two Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames.		HBL4747BBIV HBL4747BBGY A: 5.43" (137.97) B: 4.75" (120.65)	Ivory Gray
2-Gang, One Duplex Opening, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication plates. Includes modular furniture with two keystone twistouts.		HBL4747BFIV HBL4747BFGY A: 5.43" (137.97) B: 4.75" (120.65)	Ivory Gray
2-Gang, Single Round Opening, One Blank For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).		HBL4747JXIV HBL4747JXGY A: 5.43" (137.97) B: 4.75" (120.65)	Ivory Gray
2-Gang, One Style Line® Opening, One Blank For Style Line rectangular receptacles, GFCI and surge devices and rectangular communication devices.		HBL4747RXIV HBL4747RXGY A: 5.43" (137.97) B: 4.75" (120.65)	Ivory Gray
2-Gang, One Style Line® Opening, One Modular Furniture For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication devices. Includes modular furniture with two keystone twistouts.		HBL4747RFIV HBL4747RFGY A: 5.43" (137.97) B: 4.75" (120.65)	Ivory Gray
2-Gang, One Duplex Opening, One Style Line® Opening For 15A and 20A duplex receptacles and Style Line rectangular receptacles, GFCI, surge devices and rectangular communication devices.		HBL4747BRIV HBL4747BRGY A: 5.43" (137.97) B: 4.75" (120.65)	Ivory Gray
4-Gang, Four Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames.		HBL47472BBBBIV HBL47472BBBBGY A: 10.22" (259.56) B: 4.75" (120.65)	Ivory Gray

Metal Raceway
HBL4750 Series

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Overlapping Cover Plates (Include Mounting Bracket)		Catalog Numbers	Color

4-Gang, Two Duplex Openings, Two Style Line® Openings
For 15A and 20A duplex receptacles. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication devices.

HBL47472BBRRIV — Ivory
HBL47472BBRRGY — Gray
A: 10.22" (259.56)
B: 4.75" (120.65)

4-Gang, Two Duplex Openings, Two Modular Furniture
For 15A and 20A duplex receptacles and duplex communication plates. Includes two modular furniture with two keystone twistouts.

HBL47472BBFFIV — Ivory
HBL47472BBFFGY — Gray
A: 10.22" (259.56)
B: 4.75" (120.65)

4-Gang, Two Duplex Openings, Two Blanks
For 15A and 20A duplex receptacles and duplex communication plates. Includes two blanks.

HBL47472BBXXIV — Ivory
HBL47472BBXXGY — Gray
A: 10.22" (259.56)
B: 4.75" (120.65)

4-Gang, Two Style Line® Openings, Two Blanks
For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication devices. Includes two blanks.

HBL47472RRXXIV — Ivory
HBL47472RRXXGY — Gray
A: 10.22" (259.56)
B: 4.75" (120.65)

2-Gang, One Duplex Opening, One Ortronics® Series II® Mini Adapter Bezel
For 15A and 20A duplex receptacles and duplex communication plates. Includes Ortronics® Series II® Mini Adapter Bezel.

HBL4747BSIV — Ivory
HBL4747BSGY — Gray
A: 5.43" (137.97)
B: 4.75" (120.65)

2-Gang, One Duplex Opening, One Ortronics® TracJack® Mini Adapter Bezel
For 15A and 20A duplex receptacles and duplex communication plates. Includes Ortronics® TracJack® Mini Adapter Bezel.

HBL4747BTIV — Ivory
HBL4747BTGY — Gray
A: 5.43" (137.97)
B: 4.75" (120.65)

2-Gang, One Opening for 1-Gang Commercial Device Plate, One Blank
Use with commercially available 1-gang flush plates. See section K for plate options.

HBL4747C1IV — Ivory
HBL4747C1GY — Gray
A: 5.12" (130.18)
B: 4.75" (120.65)

2-Gang, One Opening for 2-Gang Commercial Device Plate
Use with commercially available 2-gang flush plates. See section K for plate options.

HBL4747C2IV — Ivory
HBL4747C2GY — Gray
A: 5.12" (130.18)
B: 4.75" (120.65)

4-Gang, Two Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels
For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® Series II® Mini Adapter Bezels.

HBL47472BBSSIV — Ivory
HBL47472BBSSGY — Gray
A: 10.22" (259.56)
B: 4.75" (120.65)

4-Gang, Two Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels
For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® TracJack® Mini Adapter Bezels.

HBL47472BBTTIV — Ivory
HBL47472BBTTGY — Gray
A: 10.22" (259.56)
B: 4.75" (120.65)

Cutters

Cutters	Catalog Numbers		Catalog Numbers

Base Cutter
Cutter for cutting base of HBL4750 Raceway.

HBL640B
A: 38.31" (973.14)
B: 30.00" (762.00)
HBL640BDK
(Replacement blade set)

Cover Cutter
Cutter for cutting cover of HBL4750 Raceway.

HBL640C
A: 35.89" (911.54)
B: 30.00" (762.00)
HBL640CDK
(Replacement blade set)

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Dimensions in Inches (mm)   www.hubbell-wiring.com   **HUBBELL** **Wiring Device-Kellems**   O-39

Metal Raceway
HBL6750 Series
Features and Benefits

Bracket and Devices

- HBL6750 Device Bracket Plate provides excellent solution for three channel power, data, voice, audio and video applications.

- For use with Hubbell KP plates and Hubbell iSTATION™ Modules and Bezels.

- Provides flush finish with overlap feature to hide potential miscuts.

Maximum Capacity

- HBL6750 Series options include single channel (no divider), two channel (1/3, 2/3 divider) or three channel (1/3, 1/3, 1/3 divider).

- HBL6750 Series offers maximum capacity in a low profile raceway.

- HBL6750, two channel version, features industry leading capacity equivalent to a HBL4750 single channel profile with an additional channel.

- Low profile raceway provides a less conspicuous profile than competitive versions.

- Available in 10 ft. (3m) lengths.

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Metal Raceway
HBL6750 Series
Features and Benefits

Unique Line of Fittings

- 1¼ in. (31.75) bend radius fittings meet TIA/EIA requirements.

- Integral bend radius offers a fixed solution that does not have to be field installed.

- Large cross sectional area provides for maximum cable capacity throughout entire system.

- Available external, internal, flat, tee and entrance end fittings.

- UL Listed, CSA Certified.

- Available in ivory or gray powder coat finish.

Plates and Covers

- Wide variety of overlapping cover plates provide flexibility for power, data, voice, audio and video applications.

- Available in both three and six-gang options.

- Cover plates accept wide selection of Hubbell iSTATION™ Modules and Bezels.

- Cover plates help to conceal unsightly gaps caused by miscuts.

- Precut cover options allow for 12 in. (304.80), 18 in. (457.20), 24 in. (609.60) and 36 in. (914.40) "on-center" mounting.

- Open System architecture available.

Metal Raceway
HBL6750 Series

Available in PRE-WIRED

Raceway	Catalog Numbers	Length	Color
Single Channel Base Packed 20 ft. (6.1m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.75" (171.45) H: 2.22" (56.39)	**HBL6750B10IV** **HBL6750B10GY** A: 120.00" (3,048.00) B: 6.75" (171.45) C: 2.12" (53.85)	10 ft.	Ivory Gray
Cover Packed 20 ft. (6.1m) per carton, 5 ft. (1.5m) lengths.	**HBL6750CIV** **HBL6750CGY** A: 60.00" (1,524.00) B: 6.75" (171.45)	5 ft.	Ivory Gray
7.5 In. Precut Cover* For mounting devices on approximately 12 in. (305.00) centers with HBL6747 and HBL6750 Plates. Packed 10 pieces per carton.	**HBL6750C075IV** **HBL6750C075GY** A: 7.50" (190.50) B: 6.75" (171.45)	7.5 in.	Ivory Gray
13.5 In. Precut Cover* For mounting devices on approximately 18 in. (457.00) centers with HBL6747 and HBL6750 Plates. Packed 10 pieces per carton.	**HBL6750C135IV** **HBL6750C135GY** A: 13.50" (342.90) B: 6.75" (171.45)	13.5 in.	Ivory Gray
19.5 In. Precut Cover* For mounting devices on approximately 24 in. (610.00) centers with HBL6747 and HBL6750 Plates. Packed 10 pieces per carton.	**HBL6750C195IV** **HBL6750C195GY** A: 19.50" (495.30) B: 6.75" (171.45)	19.5 in.	Ivory Gray
31.5 In. Precut Cover* For mounting devices on approximately 36 in. (915.00) centers with HBL6747 and HBL6750 Plates. Packed 10 pieces per carton.	**HBL6750C315IV** **HBL6750C315GY** A: 31.50" (800.10) B: 6.75" (171.45)	31.5 in.	Ivory Gray
Wire Clip (Plated) For holding conductors in place.	**HBL6750WCGY** A: 6.61" (167.80) B: 2.09" (53.05)		Galvanized Steel
Divider Divides HBL6750 Raceway into two or three channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. **HBL6751DAGY** Divider Clips are required to hold divider in place.	**HBL6750DAGY** A: 60.00" (1524.00) B: 2.03" (51.56)	5 ft.	Painted Steel
Divider Clip (Plated) Required for holding **HBL6750DAGY** in place. Use one every 2.5 ft. (.762m).	**HBL6751DAGY** A: 6.60" (167.67) B: 1.97" (50.10)		Galvanized Steel
Coupling (Plated) For joining lengths of HBL6750 Raceway. Sold in pairs.	**HBL6751A** A: 2.00" (50.71) B: .42" (10.59)		Galvanized Steel

*Note: * Device centers vary based on cover selection. Consult factory for details.*

Metal Raceway
HBL6750 Series

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Fittings | Catalog Numbers | Color

Fittings		Catalog Numbers	Color
Internal or External 45º Elbow For making internal or external turns in a run of HBL6750 Raceway.		**HBL6712TXIV** **HBL6712TXGY** A: 6.53" (165.93) B: 6.56" (166.62)	Ivory Gray
Internal Elbow, Divided For inside surface at right angles. Full capacity 1¼ in. bend radius internal elbow.		**HBL6717DFOIV*** **HBL6717DFOGY*** A: 4.74" (120.47) B: 6.75" (171.45)	Ivory Gray
Internal Elbow, Undivided For inside surface at right angles.		**HBL6717IV*** **HBL6717GY*** A: 4.74" (120.47) B: 6.75" (171.45)	Ivory Gray
Inverted Internal Elbow For connecting a vertical run of HBL6750 Raceway with a horizontal run.		**HBL6717NIV** **HBL6717NGY** A: 6.56" (166.62) B: 5.13" (130.30)	Ivory Gray
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.		**HBL6717TCAGY** A: 6.56" (166.62) B: 1.94" (49.28)	Gray
External Elbow, Divided For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow.		**HBL6718DFOIV*** **HBL6718DFOGY*** A: 5.83" (148.21) B: 6.75" (171.45)	Ivory Gray
External Elbow, Undivided For right angle turns around external corners.		**HBL6718IV*** **HBL6718GY*** A: 5.83" (148.21) B: 6.75" (171.45)	Ivory Gray

*Note: * **HBL6751A** couplings included.*

Metal Raceway
HBL6750 Series

Fittings	Catalog Numbers	Color
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow.	**HBL6711DFOIV*** **HBL6711DFOGY*** A: 9.23" (234.45) B: 6.75" (171.45) C: 2.14" (54.23) D: 9.83" (249.69) E: 6.75" (171.45)	Ivory Gray
Flat Elbow, Undivided For right angle turns on same surface.	**HBL6711IV*** **HBL6711GY*** A: 9.23" (234.45) B: 6.75" (171.45) C: 2.14" (54.23) D: 9.83" (249.69) E: 6.75" (171.45)	Ivory Gray
Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	**HBL6715DFOIV*** **HBL6715DFOGY*** A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)	Ivory Gray
Tee Fitting, Undivided For branches at right angles.	**HBL6715IV*** **HBL6715GY*** A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)	Ivory Gray
Wall Box Connector For back feeding HBL6750 Raceway.	**HBL6714AIV** **HBL6714AGY** A: 6.75" (171.45) B: 2.14" (54.28) C: 9.90" (251.46)	Ivory Gray
Entrance End Fitting, Divided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in. and 1¼ in. KO and removable dividers.	**HBL6710DFOIV*** **HBL6710DFOGY*** A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)	Ivory Gray
Entrance End Fitting, Undivided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	**HBL6710IV*** **HBL6710GY*** A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)	Ivory Gray

*Note: * **HBL6751A** couplings included.*

Metal Raceway
HBL6750 Series

Fittings	Catalog Numbers	Color
Blank End Fitting For closing open end of HBL6750 Raceway. Has three ½ in. trade size KOs.	HBL6710BIV HBL6710BGY A: 6.56" (166.62) B: 1.98" (50.41) C: 1.33" (33.90)	Ivory Gray
Take-Off Connector (**HBL6750-HBL4750**) For 90° tee connection of HBL4750 Raceway from HBL6750 Raceway.	HBL6774AIV HBL6774AGY A: 14.36" (364.76) B: 6.75" (171.45) C: 11.47" (291.29) D: 6.72" (170.69)	Ivory Gray
Connection Cover For covering potential openings where two covers come together.	HBL6756AIV HBL6756AGY A: 6.75" (171.45) B: .59" (14.89)	Ivory Gray
Panel Connector To connect HBL6750 Raceway with surface type panel boxes.	HBL6786IV HBL6786GY A: 7.51" (190.86) B: 2.00" (50.83) C: 7.89" (200.37) D: 2.38" (60.34)	Ivory Gray
Transition Fitting For transitioning from Wiremold® 6000 Raceway to Hubbell HBL6750 Raceway.	HBL6750TFIV HBL6750TFGY A: 4.35" (110.42) B: 6.96" (176.87)	Ivory Gray
3-Gang Tap-Off Fitting Has six concentric ½ in. and ¾ in. trade size KOs.	HBL6746HHHIV HBL6746HHHGY A: 4.35" (110.42) B: 6.96" (176.87)	Ivory Gray

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Metal Raceway
HBL6750 Series

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Mounting Brackets

		Catalog Numbers	Color
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION™ Modules and Bezels. See pages O-68 to O-69 for datacom product selection.		**HBL6750IV** **HBL6750GY** A: 5.25" (133.35) B: 6.75" (171.45)	Ivory Gray
3-Gang, One Opening for 1-Gang Commercial Device Plate, Two Blanks Use with commercially available 1-Gang flush plates. See section K for plate options.		**HBL6747C1IV** **HBL6747C1GY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, One Opening for 2-Gang Commercial Device Plate, One Blank Use with commercially available 2-Gang flush plates. See section K for plate options.		**HBL6747C2IV** **HBL6747C2GY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray

Overlapping Cover Plates

		Catalog Numbers	Color
3-Gang, One Single Round Opening, Two Blanks For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.05 to 35.31).		**HBL6747AXXIV** **HBL6747AXXGY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, One Duplex Opening, Two Blanks For 15A and 20A duplex receptacles and duplex communication plates.		**HBL6747BXXIV** **HBL6747BXXGY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, Three Duplex Openings For 15A and 20A duplex receptacles and duplex communication plates.		**HBL6747BBBIV** **HBL6747BBBGY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, One Duplex Opening, Two Style Line® Openings For 15A and 20A duplex receptacles and duplex communication plates. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication devices.		**HBL6747BRRIV** **HBL6747BRRGY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, Two Duplex Openings, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication plates. Includes modular furniture with two keystone twistouts.		**HBL6747BBFIV** **HBL6747BBFGY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, One Single Round Opening, Two Blanks For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).		**HBL6747JXXIV** **HBL6747JXXGY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, One Style Line® Opening, Two Blanks For one Style Line rectangular receptacle, GFCI, surge device or rectangular communication device.		**HBL6747RXXIV** **HBL6747RXXGY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, Two Style Line® Openings, One Modular Furniture For two Style Line rectangular receptacles, GFCI, surge devices and rectangular communication devices. Includes modular furniture with two keystone twistouts.		**HBL6747RRFIV** **HBL6747RRFGY** A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray

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Metal Raceway
HBL6750 Series

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Overlapping Cover Plates

		Catalog Numbers	Color
6-Gang, Six Duplex Openings For 15A and 20A duplex receptacles and duplex communication plates.		HBL67473BBBBBBIV HBL67473BBBBBBGY A: 10.22" (259.56) B: 6.75" (171.45)	Ivory Gray
6-Gang, Two Duplex Openings, Four Style Line® Openings For 15A and 20A duplex receptacles and duplex communication plates. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication devices.		HBL67473BBRRRRIV HBL67473BBRRRRGY A: 10.22" (259.56) B: 6.75" (171.45)	Ivory Gray
6-Gang, Four Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication plates. Includes two modular furniture with two keystone twistouts.		HBL67473BBBBFFIV HBL67473BBBBFFGY A: 10.22" (259.56) B: 6.75" (171.45)	Ivory Gray
6-Gang, Four Duplex Openings, Two Blanks For four 15A and 20A duplex receptacles and duplex communication plates.		HBL67473BBBBXXIV HBL67473BBBBXXGY A: 10.22" (259.56) B: 6.75" (171.45)	Ivory Gray
6-Gang, Four Style Line® Openings, Two Blanks For four Style Line rectangular receptacles, GFCI, surge devices and rectangular communication devices.		HBL67473RRRRXXIV HBL67473RRRRXXGY A: 10.22" (259.56) B: 6.75" (171.45)	Ivory Gray
3-Gang, Two Duplex Openings, One Ortronics® Series II® Mini Adapter Bezel For two 15A and 20A duplex receptacles and duplex communication plates. Includes Ortronics® Series II® Mini Adapter Bezel.		HBL6747BBSIV HBL6747BBSGY A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
3-Gang, Two Duplex Openings, One Ortronics® TracJack® Mini Adapter Bezel For 15A and 20A duplex receptacles and duplex communication plates. Includes Ortronics® TracJack® Mini Adapter Bezel.		HBL6747BBTIV HBL6747BBTGY A: 5.43" (137.97) B: 6.75" (171.45)	Ivory Gray
6-Gang, Four Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® Series II® Mini Adapter Bezels.		HBL67473BBBBSSIV HBL67473BBBBSSGY A: 10.22" (259.56) B: 6.75" (171.45)	Ivory Gray
6-Gang, Four Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® TracJack® Mini Adapter Bezels.		HBL67473BBBBTTIV HBL67473BBBBTTGY A: 10.22" (259.56) B: 6.75" (171.45)	Ivory Gray

Cutters

	Catalog Numbers		Catalog Numbers
Base Cutter Cutter for cutting base of HBL6750 Raceway.	HBL660B A: 38.93" (988.83) B: 30.00" (762.00) **HBL660BDK** (Replacement blade set)	**Cover Cutter** Cutter for cutting cover of HBL6750 Raceway.	HBL660C A: 36.89" (936.94) B: 30.00" (762.00) **HBL660CDK** (Replacement blade set)

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Aluminum Raceway

HBLALU2000, Aluminum PlugTrak®, HBLALU3800 and HBLALU4800 Series Product Applications

HBLALU2000, PlugTrak®, HBLALU3800 and HBLALU4800 Series Product Applications

#	Product	#	Product	#	Product
1	HBLALU2000C5 HBLALU2000B5	6	HBLALUC5 HBLALU3800B10	11	HBLALUC5 HBLALU4800B10
2	HBLALU2015	7	HBLALUDR	12	HBLALULPB HBLALUDR
3	HBLALU2011	8	HBLALU3818	13	HBLALU4817
4	HBLALU2038	9	HBLALU3817	14	HBLALU4806
5	HBLALU20GB606	10	HBLALUG	15	HBLALULPB HBLALUG

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Aluminum Raceway

HBLALU5000 and HBLALU7620 Series Product Applications

HBLALU5000 and HBLALU7620 Series Product Applications

16	HBLALU2C57		**21**	HBLALU57BL HBLALU57DR		**26**	HBLALUC57 HBLALU2C57
17	HBLALU5000B10		**22**	HBLALU57LPB HBLALU57DR		**27**	HBLALU7620B10
18	HBLALU5010B		**23**	HBLALU5006		**28**	HBLALU7617
19	HBLALU57LPB HBLALU57G		**24**	HBLALU7610B		**29**	HBLALU57LPB HBLALU57DR HBLALU57DR
20	HBLALU5017		**25**	HBLALU57BL HBLALU57G HBLALU57G		**30**	HBLALU57LPB HBLALU57BL HBLALU57G

Aluminum Raceway
HBLALU2000 and Aluminum PlugTrak® Series
Features and Benefits

Single Channel

- Single channel aluminum raceway.

- Satin anodized finish.

- Resists oxidation, corrosion and fading.

- Can be installed as recessed or surface mounted.

- UL Listed and CSA Certified.

Wide Selection of Fittings

- Elbows (external, internal, flat) and tee fitting available to accommodate all types of applications.

- HBLALU2001 Coupling included with elbows and tee fitting.

Aluminum Raceway
HBLALU2000 and Aluminum PlugTrak® Series
Features and Benefits

Aluminum Boxes

- Both in-line and standard boxes available.

- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.

- Rounded corners eliminate sharp edges.

- One seam construction provides "clean" look.

- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed.

- Full line of metal wallplates available. See section K for selection.

NEW!

Aluminum PlugTrak® Featuring Exclusive Receptacle Design

- Satin anodized scratch resistant finish.

- Multiple spacing configurations.

- Hubbell designed and manufactured single receptacle.

- Insulation displacement wiring provides superior wire retention.

- Mates with HBLALU2000 Aluminum Raceway.

- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths.

Aluminum Raceway
HBLALU2000 Series

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Raceway			Catalog Numbers	Length	Color
Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths. Assembled cover and base dimensions. W: 1.84" (46.74) H: .91" (23.11)			**HBLALU2000B5** A: .82" (21.00) B: 1.84" (46.74)	5 ft.	Anodized Aluminum
Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 10 ft. (3m) lengths.			**HBLALU2000B10** A: .82" (21.00) B: 1.84" (46.74)	10 ft.	Anodized Aluminum
Cover Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.			**HBLALU2000C5** A: 1.84" (46.74)	5 ft.	Anodized Aluminum
Wire Clip For holding conductors in place.			**HBLALU2000WC** A: .44" (11.20)		Anodized Aluminum
Coupling (Pair) For joining lengths of HBLALU2000 Raceway.			**HBLALU2001** A: 1.67" (42.42) B: 1.67" (42.42)		Aluminum
Supporting Clip For mounting lengths of HBLALU2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.			**HBLALU2003** A: 2.00" (50.80)		Stainless Steel
Cover Clip Use to cover potential openings where two pieces of HBLALU2000 Raceway cover come together.			**HBLALU2006** A: 1.00" (25.40)		Stainless Steel

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Aluminum Raceway
HBLALU2000 Series

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Boxes			Catalog Numbers	Color
1-Gang Device Box, Standard For standard switches and receptacles. Box base has a concentric ½ in. and ¾ in. trade size KOs and a rectangular KO for extension to wall box.			**HBLALU2047** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	Anodized Aluminum
1-Gang Device Box, Deep For deep switches and receptacles. Box base has a concentric ½ in. and ¾ in. trade size KOs and a rectangular KO for extension to wall box.			**HBLALU2044** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.15)	Anodized Aluminum
2-Gang Device Box, Standard For standard switches and receptacles. Box base has one ½ in. trade size KO and rectangular KO for extension to wall box.			**HBLALU20472** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	Anodized Aluminum
2-Gang Device Box, Deep For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.			**HBLALU20442** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)	Anodized Aluminum
Fixture Box with Solid Base To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).			**HBLALU2038** A: 1.38" (35.05) B: 4.93" (125.22)	Anodized Aluminum

Fittings			Catalog Numbers	Color
Internal Elbow For making a 90° internal turn in a raceway run.			**HBLALU2017*** A: 3.00" (76.20) B: 3.00" (76.20)	Anodized Aluminum
External Elbow For making a 90° external turn in a raceway run.			**HBLALU2018*** A: 2.91" (74.04) B: 2.91" (74.04)	Anodized Aluminum
Flat Elbow For making a 90° flat turn in a raceway run.			**HBLALU2011*** A: 3.00" (76.20) B: 3.00" (76.20)	Anodized Aluminum
Tee Fitting For branch connections of right angles.			**HBLALU2015*** A: 4.00" (101.60) B: 3.40" (86.36)	Anodized Aluminum

*Note: * **HBLALU2001** couplings included.*

Aluminum Raceway
HBLALU2000 Series

Fittings	Catalog Numbers	Color
Blank End Fitting For closing end of raceway.	**HBLALU2010B** A: 1.84" (46.74) B: .91" (23.11)	Anodized Aluminum
Entrance End Fitting ½ in. N.P.T.	**HBLALU2010A** A: 1.84" (47.74) B: .91" (23.11) C: 1.51" (38.35)	Anodized Aluminum Plate Steel Fitting
In-Line Switch Fitting (Switch sold separately).	**HBLALU2040A** A: 4.12" (104.65) B: 1.84" (46.74)	Anodized Aluminum
In-Line Receptacle Fitting Use this fitting with single receptacle below.	**HBLALU2043*** A: 1.84" (46.74) B: 6.00" (152.40)	Anodized Aluminum
Single Receptacle - 15A **Single Receptacle - 15A, Isolated Ground** **Single Receptacle - 20A** **Single Receptacle - 20A, Isolated Ground** #12 AWG THHN stranded copper wires with 21 in. leads on each end.	**PT1RCGY** **PT1RCIG** **PT1RGY** **PT1RIG** A: 2.00" (50.7) B: 1.20" (30.4) C: .87" (22.2)	Gray Orange Gray Orange
Ground Adapter (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway. Screws included.	**HBLALU2009** A: 2.35" (59.8) B: 1.18" (30.0)	Galvanized Steel
Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. Locknut included.	**HBLALU2051H** A: 4.50" (114.3) B: 4.50" (114.3)	Anodized Aluminum

*Note: * **HBLALU2001** couplings included.*

Aluminum Raceway
Aluminum PlugTrak®

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Aluminum PlugTrak® - 3 Ft. Base and Cover

Catalog Numbers	Amp	Circuits	# Single Receptacles	Receptacle Spacing (in.)
HBLALU20GB306	15	Single	6	6
HBLALU20IG306	15	IG/Single	6	6
HBLALU24GB306	20	Single	6	6
HBLALU24IG306	20	IG/Single	6	6

Aluminum PlugTrak® - 5 Ft. Base and Cover

Catalog Numbers	Amp	Circuits	# Single Receptacles	Receptacle Spacing (in.)
HBLALU20GB506	15	Single	10	6
HBLALU20GB512	15	Single	5	12
HBLALU20IG506	15	IG/Single	10	6
HBLALU24GB506	20	Single	10	6
HBLALU24GB512	20	Single	5	12
HBLALU24IG506	20	IG/Single	10	6

Aluminum PlugTrak® - 6 Ft. Base and Cover

Catalog Numbers	Amp	Circuits	# Single Receptacles	Receptacle Spacing (in.)
HBLALU20GB606	15	Single	12	6
HBLALU20GB612	15	Single	6	12
HBLALU20GB618	15	Single	4	18
HBLALU20GBA606	15	Two	12	6
HBLALU20GBA612	15	Two	6	12
HBLALU20GBA618	15	Two	4	18
HBLALU20IG606	15	IG/Single	12	6
HBLALU24GB606	20	Single	12	6
HBLALU24GB612	20	Single	6	12
HBLALU24GB618	20	Single	4	18
HBLALU24GBA606	20	Two	12	6
HBLALU24GBA612	20	Two	6	12
HBLALU24GBA618	20	Two	4	18
HBLALU24IG606	20	IG/Single	12	6

*Note: Hubbell Aluminum PlugTrak is supplied with two **HBLALU2010B** Blank End Fittings and one **HBLALU2001**.*

Boxes and Fittings

Description	Catalog Numbers
Cover Clip	HBLALU2006
Supporting Clip	HBLALU2003
Coupling	HBLALU2001
Blank End Fitting	HBLALU2010B
External Elbow	HBLALU2018
Flat Elbow	HBLALU2011
Tee	HBLALU2015
Entrance End Fitting	HBLALU2010A
In-Line Switch Fitting	HBLALU2040A
Standard 1-Gang Device Box	HBLALU2047
Deep 1-Gang Device Box	HBLALU2044
Standard 2-Gang Device Box	HBLALU20472
Deep 2-Gang Device Box	HBLALU20442
Round Box	HBLALU2038

Note: For detailed descriptions, photos and dimensions see pages O-52 to O-54.

Aluminum Raceway
HBLALU3800 and HBLALU4800 Series
Features and Benefits

Single and Two Channel

- Single and two channel aluminum raceways.

- Satin anodized finish.

- Resists oxidation, corrosion and fading.

- Can be installed as recessed or surface mounted.

- UL Listed and CSA Certified.

Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications.

- Available in both single and two channel versions.

HUBBELL® **Wiring Device-Kellems** **www.hubbell-wiring.com** *Dimensions in Inches (mm)*

Aluminum Raceway
HBLALU3800 and HBLALU4800 Series
Features and Benefits

Split Covers

- Single and two channel raceway utilize common cover.

- Split covers allow access to one service at a time.

- Common aesthetics throughout line.

Base Mounted Cover Plates

- Cover plates can be used for both HBLALU3800 and HBLALU4800 Raceways.

- Cover plates offer option for most common power device applications.

- Low profile bezel cover accommodates Hubbell iSTATION™ Modules.

- Open System data option available.

- Back mounted cover plates available for added strength.

Aluminum Raceway
HBLALU3800 Series

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Available in PRE-WIRED

Raceway		Catalog Numbers	Length	Color
Single Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 3.00" (76.20) H: 2.25" (57.15)		**HBLALU3800B10** A: 2.10" (53.34) B: 3.00" (76.20)	10 ft.	Anodized Aluminum
Cover Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.		**HBLALUC5** A: 3.00" (76.20)	5 ft.	Anodized Aluminum

Fittings		Catalog Numbers	Color
Wire Clip For holding conductors in place. Can be used for either HBLALU3800 or HBLALU4800 Raceway.		**HBLALUWC** A: 1.00" (25.40)	Anodized Aluminum
Internal Elbow For making a 90° internal turn in a raceway run.		**HBLALU3817*** A: 6.00" (152.40) B: 6.00" (152.40)	Anodized Aluminum
Inverted Internal Elbow For connecting a vertical run of HBLALU3800 with a horizontal run with its cover facing up.		**HBLALU3817N*** A: 6.00" (152.40) B: 5.98" (151.89)	Anodized Aluminum
External Elbow For making a 90° external turn in a raceway run.		**HBLALU3818*** A: 6.00" (152.40) B: 6.00" (152.40)	Anodized Aluminum
Flat Elbow For making a 90° flat turn in a raceway run.		**HBLALU3811*** A: 6.00" (152.40) B: 6.00" (152.40)	Anodized Aluminum
Tee For branch connections of two runs of HBLALU3800 Raceway.		**HBLALU3815*** A: 6.00" (152.40) B: 6.00" (152.40)	Anodized Aluminum
Blank End Fitting For closing end of raceway.		**HBLALU3810B** A: 3.00" (76.20) B: 2.31" (58.74)	Anodized Aluminum
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.		**HBLALU3810B1** A: 3.00" (76.20) B: 2.31" (58.74)	Anodized Aluminum
Cover Clip To cover seam where lengths of HBLALU3800 Raceway come together.		**HBLALU3806** A: 1.38" (34.92)	Stainless Steel

*Note: * **HBLALU01** couplings included.*

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Aluminum Raceway
HBLALU4800 Series

Available in PRE-WIRED

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Raceway		Catalog Numbers	Length	Color
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.00" (152.40) H: 2.25" (57.15)		HBLALU4800B10 A: 2.10" (53.34) B: 6.00" (152.40)	10 ft.	Anodized Aluminum
Cover Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.		HBLALUC5 A: 3.00" (76.20)	5 ft.	Anodized Aluminum

Fittings		Catalog Numbers	Color
Wire Clip Used for holding conductors in place on raceway. Can be used for either HBLALU3800 or HBLALU4800 Raceway.		HBLALUWC A: 1.00" (25.40)	Anodized Aluminum
Internal Elbow (Two Channel) For making a 90° internal turn in a raceway run.		HBLALU4817* A: 6.00" (152.40) B: 6.00" (152.40)	Anodized Aluminum
Inverted Internal Elbow (Two Channel) For connecting a vertical run of HBLALU4800 with a horizontal run with its cover facing up.		HBLALU4817N* A: 6.00" (152.40) B: 5.98" (151.89)	Anodized Aluminum
External Elbow (Two Channel) For making a 90° external turn in a raceway run.		HBLALU4818* A: 6.00" (152.40) B: 6.00" (152.40)	Anodized Aluminum
Flat Elbow (Two Channel) For making a 90° flat turn in a raceway run.		HBLALU4811* A: 9.00" (228.60) B: 9.00" (228.60)	Anodized Aluminum
Tee (Two Channel) For branch connections of two runs of HBLALU4800 Raceway.		HBLALU4815* A: 9.00" (228.60) B: 9.00" (228.60)	Anodized Aluminum
Blank End Fitting (Two Channel) For closing end of raceway.		HBLALU4810B A: 6.00" (152.40) B: 2.31" (58.74)	Anodized Aluminum
Entrance End Fitting (Two Channel) For feeding raceway, has two concentric ½ in. and ¾ in. trade size KOs.		HBLALU4810B2 A: 6.00" (152.40) B: 2.31" (58.74)	Anodized Aluminum
Cover Clip To cover seam where lengths of HBLALU4800 Raceway come together.		HBLALU4806 A: 1.38" (34.92)	Stainless Steel

*Note: * **HBLALU01** couplings included.*

Dimensions in Inches (mm)   www.hubbell-wiring.com   **HUBBELL** **Wiring Device-Kellems**

Aluminum Raceway
HBLALU3800 and HBLALU4800 Series

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Fittings for HBLALU3800 and HBLALU4800 Aluminum Raceway		Catalog Numbers	Color
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.		**HBLALU01** A: 2.85" (72.39) B: 4.00" (101.80)	Aluminum
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.		**HBLALU09** A: 2.35" (59.8) B: 1.18" (30.0)	Galvanized Steel
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.		**HBLALU17A** A: 4.00" (101.80) B: 2.00" (50.83)	Anodized Aluminum
Blank Cover To cover 12 in. (305.00) section of raceway.		**HBLALUBL** A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum
Hubbell iSTATION™ Cover For mounting Hubbell iSTATION™ Modules. For the **HBLALUPB** use the **KPIMBZGY** on page O-68 with modules from page O-69. For the **HBLALULPBA** use the **IMF1GY** on page O-69 or any **IFPxxGY** plates on page O-68.		**HBLALULPB** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALULPBA** A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum Anodized Aluminum
Duplex Receptacle Cover For duplex receptacles and duplex communication plates.		**HBLALUDR** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34DRBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum Anodized Aluminum
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication device.		**HBLALUG** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34GBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum Anodized Aluminum

Aluminum Raceway
HBLALU3800 and HBLALU4800 Series

Fittings for HBLALU3800 and HBLALU4800 Aluminum Raceway	Catalog Numbers	Color
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).	**HBLALUE** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34EBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum Anodized Aluminum
Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39).	**HBLALUF** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34FBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum Anodized Aluminum
Single Receptacle Cover For single receptacle with face diameter of 2.13 in. (54.10).	**HBLALUJ** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34JBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum Anodized Aluminum
Toggle Switch Cover For single pole, two pole, three way or four way switches.	**HBLALUN** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34NBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum Anodized Aluminum
Ortronics® Cover Plate For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	**HBLALUABRT** A: 3.00" (76.20) B: 12.00" (304.80)	Anodized Aluminum

Base Mount Cover Design
No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.

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Aluminum Raceway
HBLALU5000 and HBLALU7620 Series
Features and Benefits

Two and Three Channel

- Two and three channel aluminum raceways.

- Satin anodized finish.

- Resists oxidation, corrosion and fading.

- Can be installed as recessed or surface mounted.

- UL Listed and CSA Certified.

Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications.

- Available in both two and three channel versions.

Aluminum Raceway
HBLALU5000 and HBLALU7620 Series
Features and Benefits

Covers

- Two and three channel raceway utilize common covers.

- Available in single and dual channel cover designs.

- Single covers allow access to one service at a time.

- Dual channel cover fits over two channels for a seamless look.

- Common aesthetics throughout line.

Compatible Cover Plates

- Cover plates can be used for both HBLALU5000 and HBLALU7620 Raceways.

- Cover plates offer option for most common power device applications.

- Low profile bezel cover accommodates Hubbell iSTATION™ Modules.

- Open System data option available.

- Base mounted cover plates available for added strength.

Aluminum Raceway
HBLALU5000 Series

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Available in PRE-WIRED

Raceway		Catalog Numbers	Length	Color
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 5.08" (129.03)　H: 1.75" (44.45)		**HBLALU5000B10** A: 1.66" (42.16) B: 5.08" (129.03)	10 ft.	Anodized Aluminum
Cover - Single Channel Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.		**HBLALUC57** A: 2.54" (64.52)	5 ft.	Anodized Aluminum
Cover - Two Channel Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.		**HBLALU2C57** A: 5.08" (129.03)	5 ft.	Anodized Aluminum

Fittings		Catalog Numbers		Color
Wire Clip For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.		**HBLALU57WC** A: 1.00" (25.40)		Anodized Aluminum
Internal Elbow For making a 90° internal turn in a raceway run.		**HBLALU5017*** A: 6.00" (152.40) B: 6.00" (152.40)		Anodized Aluminum
Inverted Internal Elbow For connecting a vertical run of HBLALU5000 with a horizontal run with its cover facing up.		**HBLALU5017N*** A: 5.91" (150.20) B: 5.98" (151.89)		Anodized Aluminum
External Elbow For making a 90° external turn in a raceway run.		**HBLALU5018*** A: 6.00" (152.40) B: 6.00" (152.40)		Anodized Aluminum
Flat Elbow For making a 90° flat turn in a raceway run.		**HBLALU5011*** A: 9.00" (228.60) B: 9.00" (228.60)		Anodized Aluminum
Tee For branch connections of two runs of HBLALU5000 Raceway.		**HBLALU5015*** A: 9.00" (228.60) B: 8.08" (205.30)		Anodized Aluminum
Blank End Fitting For closing end of raceway.		**HBLALU5010B** A: 5.08" (129.10) B: 1.75" (44.40)		Anodized Aluminum
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.		**HBLALU5010B2** A: 5.08" (129.10) B: 1.75" (44.40)		Anodized Aluminum
Cover Clip To cover seam where lengths of HBLALU5000 Raceway come together.		**HBLALU5006** A: 1.38" (34.92)		Stainless Steel

*Note: * **HBLALU5701** couplings included.*

Aluminum Raceway
HBLALU7620 Series

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Available in **PRE-WIRED**

Raceway		Catalog Numbers	Length	Color
Three Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 7.62" (193.55)　H: 2.25" (57.15)		HBLALU7620B10 A: 2.16" (54.86) B: 7.62" (193.55)	10 ft.	Anodized Aluminum
Cover - Single Channel Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.		HBLALUC57 A: 2.54" (64.52)	5 ft.	Anodized Aluminum
Cover - Two Channel Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.		HBLALU2C57 A: 5.08" (129.03)	5 ft.	Anodized Aluminum

Fittings		Catalog Numbers	Color
Wire Clip For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.		HBLALU57WC A: 1.00" (25.40)	Anodized Aluminum
Internal Elbow For making a 90° internal turn in a raceway run.		HBLALU7617* A: 6.50" (165.10) B: 6.50" (165.10)	Anodized Aluminum
Inverted Internal Elbow For connecting a vertical run of HBLALU7620 with a horizontal run with its cover facing up.		HBLALU7617N* A: 6.50" (165.10) B: 5.98" (151.89)	Anodized Aluminum
External Elbow For making a 90° external turn in a raceway run.		HBLALU7618* A: 5.50" (139.70) B: 5.50" (139.70)	Anodized Aluminum
Flat Elbow For making a 90° flat turn in a raceway run.		HBLALU7611* A: 11.54" (293.10) B: 11.54" (293.10)	Anodized Aluminum
Tee For branch connections of two runs of HBLALU7620 Raceway.		HBLALU7615* A: 9.00" (228.60) B: 10.62" (269.80)	Anodized Aluminum
Blank End Fitting For closing end of raceway.		HBLALU7610B A: 7.62" (193.50) B: 2.31" (58.70)	Anodized Aluminum
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.		HBLALU7610B2 A: 7.62" (193.50) B: 2.31" (58.70)	Anodized Aluminum
Cover Clip To cover seam where lengths of HBLALU7620 Raceway come together.		HBLALU7606 A: 1.38" (34.92)	Stainless Steel

*Note: * **HBLALU5701** couplings included.*

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Fittings for HBLALU5000 and HBLALU7620 Aluminum Raceway	Catalog Numbers	Color
Couplings (Pair) To join lengths of cover or base.	**HBLALU5701** A: 2.38" (60.30) B: 4.00" (101.80)	Anodized Aluminum
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	**HBLALU5709** A: 3.37" (85.50) B: 2.00" (50.83)	Anodized Aluminum
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	**HBLALU5717A** A: 3.50" (88.90) B: 2.38" (60.30)	Anodized Aluminum
2-Gang Raised Device Box KP device plates only, found on page O-68.	**HBLALU57KP2G** A: 5.08" (129.10) B: 7.64" (193.90)	Gray PVC
Blank Cover To cover 12 in. (305.00) section of raceway.	**HBLALU57BL** A: 2.54" (64.50) B: 12.00" (304.80)	Anodized Aluminum
Hubbell iSTATION™ Cover For mounting Hubbell iSTATION™ Modules. **IMF1GY** or **IFPxxGY** frames and plates on pages O-68 and O-69.	**HBLALU57LPB** A: 2.54" (64.50) B: 12.00" (304.80)	Anodized Aluminum
Duplex Receptacle Cover For duplex receptacles and duplex communication plates. BM = Base Mount device.	**HBLALU57DR** **HBLALU57DRBM*** A: 2.54" (64.50) B: 12.00" (304.80)	Anodized Aluminum
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). BM = Base Mount device.	**HBLALU57E** **HBLALU57EBM*** A: 2.54" (64.50) B: 12.00" (304.80)	Anodized Aluminum
Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39). BM = Base Mount device.	**HBLALU57F** **HBLALU57FBM*** A: 2.54" (64.50) B: 12.00" (304.80)	Anodized Aluminum
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication device. BM = Base Mount device.	**HBLALU57G** **HBLALU57GBM*** A: 2.54" (64.50) B: 12.00" (304.80)	Anodized Aluminum
Toggle Switch Cover For single pole, two pole, three way or four way switches. BM = Base Mount device.	**HBLALU57N** **HBLALU57NBM*** A: 2.54" (64.50) B: 12.00" (304.80)	Anodized Aluminum
Ortronics® Cover Plate For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	**HBLALU57ABRT** A: 2.54" (64.50) B: 12.00" (304.80)	Anodized Aluminum

*Note: * See page O-61 for Base Mount cover plate design details.*

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Metal and Aluminum Raceway
Technical Data and Wire Fill Capacity Chart

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Metal Raceway Wire Fill Capacities														
			Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
			14 AWG	12 AWG	10 AWG	4–Pair	25–Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series		Channel Area (sq. in.)	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
HBL500		0.22	7	5	3	3	1	2	3	2	1	1	3	8	3
HBL750		0.40	12	9	5	6	1	3	5	3	2	2	6	15	6
HBL2000		0.89	7	7	0	13	3	8	10	7	4	5	13	33	12
HBL2000A		0.86	35	26	16	11	2	7	9	7	4	5	13	33	12
HBL2400		1.39	57	41	26	19	4	12	16	11	5	8	19	51	19
HBL2400D	Channel– A	0.86	26	19	11	12	2	7	9	7	3	5	12	31	11
A B	Channel– B	0.37	11	9	6	5	1	3	4	3	1	2	5	13	5
HBL3000		3.70	152	111	70	52	11	32	43	30	15	22	52	136	51
HBL4750	No Barriers	7.20	296	216	136	102	22	63	83	59	30	44	102	264	100
A B	Barrier Centered Ch. A	3.10	127	93	58	44	9	27	36	25	13	19	44	114	43
	Barrier Centered Ch. B	3.30	127	93	58	47	10	29	38	27	14	20	47	121	46
A B	Barrier Offset Ch. A	2.10	86	63	39	30	6	18	24	17	9	13	30	77	29
	Barrier Offset Ch. B	4.30	176	129	81	61	13	37	50	35	18	26	61	158	60
HBL6750	No Barriers	13.77	566	412	259	195	42	120	159	112	57	83	195	505	191
A A A	Barrier Offset ¹/3 Ch. A	4.59	189	138	86	65	14	40	53	37	19	28	65	168	64
A B	Barrier Offset ²/3 Ch. B	9.18	379	278	173	130	28	80	106	75	38	56	130	337	128
HBLALU2000		1.20	49	36	22	16	3	10	13	9	4	7	16	44	16
HBLALU3800		5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU4800	Center Barrier/ Both Channels	11.60	428	312	196	164	35	101	134	95	48	70	164	426	161
	Center Barrier/ 1 Channel	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU5000	Center Barrier/ Both Channels	7.60	312	228	142	106	22	64	86	60	30	46	106	278	104
	Center Barrier/ 1 Channel	3.80	156	114	71	53	11	32	43	30	15	23	53	139	52
HBLALU7620	2 Barriers with 3 Equal Channels/Total	15.00	618	450	282	210	45	129	171	120	60	90	210	549	207
	2 Barriers with 3 Equal Channels/ 1 Channel	5.00	206	150	94	70	15	43	57	40	20	30	70	183	69

Note: Pathway (Raceway) fill shall be 40% maximum.
Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Physical Properties

Material	Steel
	Anodized Aluminum

Metal PlugTrak Specifications

Receptacle Rating	NEMA 5-15R and NEMA 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Codes/Standards

TIA/EIA	569B
UL Standard	UL 5
Listings	E253976 /E253830 /E253833
CSA Standard	C22.2 no. 62
Certification	LR87514

Metal Raceway
Plates and Outlets

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Device Bracket for HBL4750 and HBL6750 Series Metal Raceway

Ivory metal raceway matches almond devices and plates.

1. Choose Device Mounting Bracket

Color	HBL4750 Series		HBL6750 Series	
Ivory		HBL4750IV		HBL6750IV
Gray		HBL4750GY		HBL6750GY

2. Choose 1-Gang Flush "KP" Plates

Color						
Almond	**KP8AL**	**KP26AL**	**KP7AL**	**KP720AL**	**KP1AL**	**KPIMBZAL**
Gray	**KP8GY**	**KP26GY**	**KP7GY**	**KP720GY**	**KP1GY**	**KPIMBZGY**
	Duplex	Style Line®	Receptacle (1.41 ID)	Receptacle (1.60 ID)	Toggle	Module Bezel (Accepts all iSTATION™ Modules located in section P)

Color						
Almond	**KP212AL**	**KP2163AL**	**KP14AL**	**KP2162AL**	**KP2140AL**	**KPPANAL**	**KPORTAL**
Gray	**KP212GY**	**KP2163GY**	**KP14GY**	**KP2162GY**	**KP2140GY**	**KPPANGY**	**KPORTGY**
	Coax (2)	Keystone Jacks (3)	Blank	Keystone Jacks (2)	Jack/Coax	Panduit Mini-Com® Data Module	Ortronics Series II® Data Module

Communication Outlet Plates and Frames

Ivory metal raceway matches almond devices and plates. For HBL3000 series raceway applications, catalog number **HBL3051LEIV/GY** must be used with plates and devices.

Color						
Almond	**IFP126AL**		**ISF2AL**	**ISF3AL**	**ISF4AL**	**ISF6AL**
Gray	**IFP126GY**		**ISF2GY**	**ISF3GY**	**ISF4GY**	**ISF6GY**
	Style Line®		Style Line® 2-Port	Style Line® 3-Port	Style Line® 4-Port	Style Line® 6-Port

Color						
Almond	**IFP18AL**	**BR106AL**	**Q106AL**	**IFP12AL**	**IFP13AL**	**IFP14AL**	**IFP16AL**
Gray	**IFP18GY**	**BR106G**	**Q106G**	**IFP12GY**	**IFP13GY**	**IFP14GY**	**IFP16GY**
	Duplex	Duplex 2-Port	Duplex 4-Port	Flush 2-Port	Flush 3-Port	Flush 4-Port	Flush 6-Port

Painted Steel Plates

Description	Color	1-Gang	2-Gang	3-Gang	4-Gang	5-Gang	6-Gang
Switch	Almond	SP1AL	SP2AL	SP3AL	SP4AL	SP5AL	SP6AL
	Gray	SP1G	SP2G	—	—	—	—
Duplex	Almond	SP8AL	SP82AL	SP83AL	—	—	—
	Gray	SP8G	SP82G	—	—	—	—
Style Line®	Almond	PHPS1AL	PHPS2AL	PHPS3AL	PHPS4AL	PHPS5AL	PHPS6AL
	Gray	PHPS1G	PHPS2G	—	—	—	—

Description	Color	Combination					
Single receptacle (1.41" ID)	Almond	SP7AL	SP18AL	SP28AL	PJS126AL	—
	Gray	SP7G	SP18G	SP28G	PJS126G	PJS226G

Description	Color	1-Gang	2-Gang	3-Gang	1-Gang	2-Gang	3-Gang
Blank		**Box Mount**			**Strap Mount**		
	Almond	SP14BAL	SP24BAL	SP34BAL	SP14AL	SP24AL	SP34AL
	Gray	SP14BG	SP24BG	—	SP14G	SP24G	—

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Metal Raceway
Plates and Outlets

iSTATION™ Frame Modules

Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. Use **KPIMBZAL/GY** plate with modules for HBL4750 and HBL6750 Series device mounting bracket located on page O-68. See section P for complete iSTATION™ Module offering. Ivory metal raceway matches almond devices and plates.

1. Choose Plate Frame

Color		
Almond	**IMF1AL**	**IMF2AL**
Gray	**IMF1GY**	**IMF2GY**

2. Choose Modules Select modules in three unit combinations.

	Blank Module .5 Unit	Blank Module 1 Unit	Blank Module 1.5 Unit	Keystone Flat 1 Unit	Keystone Flat 1 Unit	Keystone Opening Hole size for mounting all Hubbell Jacks.
Color						A: .580" (14.73) B: .760" (19.30)
Almond	**IMB05AL**	**IMB1AL**	**IMB15AL**	**IM1K1AL**	**IM2K1AL**	
Gray	**IMB05GY**	**IMB1GY**	**IMB15GY**	**IM1K1GY**	**IM2K1GY**	

	Keystone Angled 1.5 Unit	Keystone Angled 1.5 Unit	SC 1 Duplex Angled 1.5 Unit	SC 2 Duplex Angled 2 Unit	Keystone Recessed 1.5 Unit	Keystone Recessed 1.5 Unit
Color						
Almond	**IM1KA15AL**	**IM2KA15AL**	**IM1SCA15AL**	**IM2SCA2AL**	**IM1IA15AL**	**IM2IA15AL**
Gray	**IM1KA15GY**	**IM2KA15GY**	**IM1SCA15GY**	**IM2SCA2GY**	**IM1IA15GY**	**IM2IA15GY**

Snap Fit Connector Fittings

Snap Fit connectors to be used with any plate with a standard keystone opening. Not recommended for use with KP plates. For KP applications use **KPIMBZAL/GY** bezel and appropriate iSTATION™ Modules located in section P. Use appropiate iSTATION™ Modules for SC fiber adapters. See section P for complete Snap Fit offering. Ivory metal raceway matches almond devices and plates.

	Blank (10 Pack)	F-Type Coupler Nickel	F-Type Coupler Gold	BNC Connector	S-Video 110	S-Video F/F Coupler	Speaker Post Connector	3.5mm Stereo Jacks
Color								
Almond	**SFBAL10**	**SFFALX**	**SFFGAL**	**SFBAL**	**SFSV110AL**	**SFSVAL**	**SFSPGBK***	**SF35SJAL**
Gray	**SFBG10**	**SFFGX**	**SFFGGY**	**SFBGY**	**SFSV110GY**	**SFSVGY**	**SFSPGR***	**SF35SJGY**

	RCA Gold Pass-through F/F Coupler Yellow Insulator	RCA Gold Pass-through F/F Coupler Red Insulator	RCA Gold Pass-through F/F Coupler White Insulator	RCA 110 Punchdown Yellow Insulator	RCA 110 Punchdown Red Insulator	RCA 110 Punchdown White Insulator
Color						
Almond	**SFRCYFFAL**	**SFRCRFFAL**	**SFRCWFFAL**	**SFRC110Y**	**SFRC110R**	**SFRC110W**
Gray	**SFRCYFFGY**	**SFRCRFFGY**	**SFRCWFFGY**	(Black housing only)	(Black housing only)	(Black housing only)

Notes: *Office White Housing with Black Ring Color. **Office White Housing with Red Ring Color.

Xcelerator Keystone Jacks

Ivory metal raceway matches almond devices and plates.

Cat. 5e, Almond T568A, T568B, RJ45 **HXJ5EAL**	Cat. 6, Almond T568A, T568B, RJ45 **HXJ6AL**	6 Position USOC, Almond, RJ25 **HXJUAL**

Jack Color Options (Replaces **AL** Suffix)

OW=Office White	**GY**=Gray	**BK**=Black	**W**=White	**OR**=Orange	**R**=Red	**Y**=Yellow	**B**=Blue	**GN**=Green	**EI**=Elec Ivory

Metal Raceway - Cross Reference
HBL500, HBL750 and HBL2000 Series

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL500 Series	**500 Series**	
HBL502B	502	SMS502
HBL605CUT	605	SMS605
HBL600B	600B	N/A
HBL605K	605K	N/A
HBL500TFIV	N/A	N/A
HBL50010IV	V500	SMS500
HBL5005IV	V500-5	N/A
HBL504IV	V504	SMS504
HBL506IV	V506	SMS506
HBL511IV	V511	SMS511
HBL512IV	V512	SMS512
HBL517IV	V517	SMS517
HBL518IV	V518	SMS518
HBL750 Series	**700 Series**	
HBL607CUT	607	SMS607
HBL702B	702	SMS702
HBL607K	607K	N/A
HBL750TFIV	N/A	N/A
HBL75010IV	V700	SMS700
HBL7505IV	V700-5	N/A
HBL704IV	V704	SMS704
HBL706IV	V706	SMS706
HBL711IV	V711	SMS711
HBL712IV	V712	SMS712
HBL717IV	V717	SMS717
HBL718IV	V718	SMS718
HBL500/HBL750 Series	**500/700 Series**	
HBL5701C	5701	SMS5701
HBL5709	5709	SMS5709
HBL5780	5780	SMS5780
HBL5781	5781	SMS5781
HBL5782C	5782	SMS5782
HBL5791	5791	N/A
HBL5709GC	5709GC	N/A
HBL5781A	5781A	SMS5781A
HBL5782A	5782A	SMS5782A
HBL5790B	5790B	SMS5790B
HBL5752R	R5752	SMS5752R
HBL5753R	R5753	SMS5753R
HBL5700FIV	V5700F	SMS5700F
HBL5703IV	V5703	SMS5703
HBL5711LHIV	V5711LH	SMS5711LH
HBL5711RHIV	V5711RH	SMS5711RH
HBL5715IV	V5715	SMS5715
HBL5719IV	V5719	SMS5719
HBL57242IV	V57242	SMS57242
HBL5731IV	V5731	SMS5731
HBL5733IV	V5733	SMS5733
HBL5735IV	V5735	SMS5735
HBL5736IV	V5736	SMS5736
HBL5737IV	V5737	SMS5737
HBL5737AIV	V5737A	SMS5737A
HBL5738IV	V5738	SMS5738
HBL5738AIV	V5738A	SMS5738A
HBL5738AFIV	V5738AF	SMS5738AF
HBL5739IV	V5739	SMS5739
HBL5739AIV	V5739A	SMS5739A
HBL5744IV	V5744	SMS5744
HBL57442IV	V5744-2	SMS57442

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL57443IV	V5744-3	SMS57443
HBL5744SIV	V5744S	SMS5744S
HBL5744S2IV	V5744S-2	SMS5744S2
HBL5744S3IV	V5744S-3	SMS5744S3
HBL5745IV	V5745	SMS5745
HBL5747IV	V5747	SMS5747
HBL57472IV	V5747-2	SMS57472
HBL57473IV	V5747-3	SMS57473
HBL5748IV	V5748	SMS5748
HBL57482IV	V5748-2	SMS57482
HBL57483IV	V5748-3	SMS57483
HBL57484IV	V5748-4	SMS57484
HBL57485IV	V5748-5	SMS57485
HBL57486IV	V5748-6	SMS57486
HBL5751IV	V5751	SMS5751
HBL57512IV	V5751-2	SMS5751-2
HBL57513IV	V5751-3	SMS5751-3
HBL5751AIV	V5751A	N/A
HBL5752IV	V5752	SMS5752
HBL5753IV	V5753	SMS5753
HBL5760IV	V5760	SMS5760
HBL5783IV	V5783	SMS5783
HBL5784IV	V5784	SMS5784
HBL5785IV	V5785	SMS5785
HBL5786IV	V5786	SMS5786
HBL5786AIV	N/A	N/A
HBL5711BRIV	N/A	SMS5711-1
HBL5715BRIV	N/A	N/A
HBL5717BRIV	N/A	SMS5717-1
HBL5718BRIV	N/A	SMS5718-1
HBL2000 Series	**2000 Series**	
HBL620C	620	SMS621BC
HBL2001C	2001	SMS2101
HBL2003SC	2003	SMS2103
HBL2009GC	2009	SMS2109
HBL2000WC	2000WC	SMS2100WC
HBL2000WCA	N/A	N/A
HBL2017TC	2017TC	SMS2117TC
HBL620BCK	620BCK	N/A
HBL2000B5GY	G2000B-5	N/A
HBL2000BCGY	G2000BC	N/A
HBL2000BCAGY	N/A	N/A
HBL2000CGY	G2000C	N/A
HBL2000CAGY	G2100C	N/A
HBL2006GY	G2006	N/A
HBL2010A2GY	G2010A2	N/A
HBL2010A3GY	G2010A3	N/A
HBL2010BGY	G2010B	N/A
HBL2011GY	G2011	N/A
HBL2011BRGY	N/A	N/A
HBL2015GY	G2015	N/A
HBL2015BRGY	N/A	N/A
HBL2017BRGY	N/A	N/A
HBL2018BRGY	N/A	N/A
HBL2018CGY	G2018C	N/A
HBL2048GY	G2048	N/A
HBL20482GY	G2048-2	N/A
HBL2051HGY	G2051H	N/A
HBL2000TFIV	N/A	N/A
HBL2000TFGY	N/A	N/A
HBL2000B5IV	V2000B-5	N/A
HBL2000BCIV	V2000BC	SMS2100B

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Metal Raceway - Cross Reference
HBL2400/HBL2400D and HBL3000 Series

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL2000BCAIV	N/A	N/A
HBL2000CIV	V2000C	SMS2100C
HBL2000CAIV	V2100C	SMS2100C
HBL2006IV	V2006	SMS2106
HBL2010A2IV	V2010A2	SMS2110A
HBL2010A3IV	V2010A3	SMS2110C
HBL2010BIV	V2010B	SMS2110B
HBL2011IV	V2011	SMS2111
HBL2011BRIV	N/A	SMS2111-FO
HBL2015IV	V2015	SMS2115
HBL2015BRIV	N/A	SMS2115-FO
HBL2017BRIV	N/A	SMS2117TC-FO
HBL2018BRIV	N/A	SMS2118A-FO
HBL2018CIV	V2018C	SMS2118A
HBL2048IV	V2048	SMS2141
HBL20482IV	V2048-2	SMS21412
HBL2051HIV	V2051H	SMS2051H
HBL2089IV	V2089	N/A
HBL2089EIV	V2089E	N/A

HBL2400/HBL2400D Series	2400/2400D Series	
HBL624CUT	624	N/A
HBL2401C	2401	SMS2401
HBL2409GC	2409	SMS2409
HBL2400WC	2400WC	SMS2400WC
HBL2401DC	2401D	N/A
HBL624BCK	624BCK	N/A
HBL24DRK	N/A	N/A
HBL24SRK	N/A	N/A
HBL24106DRK	N/A	N/A
HBL24106RRK	N/A	N/A
HBL4724REDIV	N/A	N/A
HBL2420REDIV	N/A	N/A
HBL2400TFIV	N/A	N/A
HBL2400DTFIV	N/A	N/A
HBL2400BIV	V2400B	N/A
HBL2400B10IV	V2400B-10	SMS2400B
HBL2400BCIV	V2400BC	N/A
HBL2400BDIV	V2400BD	SMS2400BD
HBL2400CIV	V2400C	SMS2400C
HBL2406IV	V2406	SMS2406
HBL2410AIV	V2410A	N/A
HBL2410BIV	V2410B	SMS2410B
HBL2410BDIV	V2410BD	N/A
HBL2410CIV	V2410C	N/A
HBL2410DFOIV	V2410DFO	N/A
HBL2410FCIV	V2410FC	SMS2410C
HBL2411DFOIV	V2411DFO	SMS2411DFO
HBL2415DFOIV	V2411DFO	SMS2415DFO
HBL2411IV	V2411FO	SMS2411FO
HBL2415IV	V2415FO	SMS2415FO
HBL2417DFOIV	V2417DFO	SMS2417DFO
HBL2417IV	V2417FO	SMS2417FO
HBL2418DFOIV	V2418DFO	SMS2418DFO
HBL2418IV	V2418FO	SMS2418FO
HBL2426IV	V2426	N/A
HBL2444IV	V2444	SMS2444
HBL24442IV	V2444-2	SMS2444-2
HBL2444DIV	V2444D	SMS2444D
HBL2444D2AIV	V2444D-2A	SMS2444D-2
HBL2448IV	V2448	SMS2448
HBL24482IV	V2448-2	N/A

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL2451HIV	V2451H	N/A
HBL2475DBRIV	V2475D	SMS2457B
HBL2489IV	V2489	N/A

HBL3000 Series	3000 Series	
HBL630B	630B	SMS632B
HBL630BDK	630BDK	N/A
HBL630C	630C	SMS632C
HBL630CDK	630CDK	N/A
HBL3000BGY	G3000B	SMS3200
HBL3000C075GY	G3000C075	N/A
HBL3000C195GY	G3000C195	N/A
HBL3000CEGY	G3000CE	SMS3003
HBL3000WCGY	G3000WC	SMS3006
HBL3001GY	G3001	SMS3002
HBL3001AGY	G3001A	SMS3001
HBL3003GY	G3003	SMS3008
HBL3006EGY	G3006E	SMS3007
HBL3007CGY	G3007C	SMS3022
HBL3010AEGY	G3010AE	SMS3005
HBL3010BGY	G3010B	SMS3004
HBL3010CGY	G3010C	SMS3005
HBL3011EGY	G3011E	SMS3009
HBL3014CGY	G3014C	SMS3030
HBL3015EGY	G3015E	SMS3010
HBL3017TCEGY	G3017TCE	SMS3014
HBL3018AEGY	G3018AE	SMS3018
HBL3027AEGY	G3027AE	N/A
HBL3028GY	G3028	SMS3028
HBL3033JEGY	G3033JE	SMS3045
HBL3036HEGY	G3036HE	SMS3053
HBL3040CEGY	G3040CE	SMS3048
HBL3043BEGY	G3043BE	SMS3046
HBL30442GY	G3044-2	SMS3062
HBL3046BEGY	G3046BE	N/A
HBL3046H2GY	G3046H-2	N/A
HBL3048RGY	G3048R	SMS3023
HBL3051LEGY	G3051LE	SMS3051
HBL3082GY	G3082	N/A
HBL3086GY	G3086	SMS3086
HBL3200REDIV	N/A	N/A
HBL3200REDGY	N/A	N/A
HBL3000TFIV	N/A	N/A
HBL3000TFGY	N/A	N/A
HBL3000BIV	V3000B	SMS3000-I
HBL3000C075IV	V3000C075	N/A
HBL3000C195IV	V3000C195	N/A
HBL3000CEIV	V3000CE	SMS3003-I
HBL3003IV	V3003	SMS3008-I
HBL3006EIV	V3006E	SMS3007-I
HBL3010AEIV	V3010AE	SMS3005-I
HBL3010BIV	V3010B	SMS3004-I
HBL3010CIV	V3010C	SMS3005-I
HBL3011EIV	V3011E	SMS3009-I
HBL3014CIV	V3014C	SMS3030-I
HBL3015EIV	V3015E	SMS3010-I
HBL3017TCEIV	V3017TCE	SMS3014-I
HBL3018AEIV	V3018AE	SMS3018-I
HBL3027AEIV	V3027AE	N/A
HBL3028IV	V3028	SMS3028-I
HBL3033JEIV	V3033JE	SMS3045-I
HBL3036HEIV	V3036HE	SMS3053-I
HBL3040CEIV	V3040CE	SMS3048-I

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Metal Raceway - Cross Reference
HBL4750 and HBL6750 Series

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL3043BEIV	V3043BE	SMS3046-I
HBL30442IV	V3044-2	SMS3062-I
HBL3046BEIV	V3046BE	N/A
HBL3046H2IV	V3046H-2	N/A
HBL3048RIV	V3048R	SMS3023-I
HBL3051LEIV	V3051LE	SMS3051-I
HBL3086IV	V3086	SMS3086-I
HBL4750 Series	**4000 Series**	
HBL4751AC	4001A	SMS4202
HBL4750IV	V4050	N/A
HBL640C	640C	SMS642C
HBL4750B10GY	G4000B-10	SMS4200
HBL4750C075GY	G4000C075	SMS4261
HBL4750C195GY	G4000C195	SMS4265
HBL640B	640B	SMS642B
HBL4747RXIV	V4047RX	N/A
HBL4747RFIV	V4047RF	N/A
HBL4747C1GY	G4047C-1	N/A
HBL4747BXGY	G4047BX	N/A
HBL4747RXGY	G4047RX	N/A
HBL4747RFGY	G4047RF	N/A
HBL4747JXGY	G4047JX	N/A
HBL4747C2GY	G4047C-2	N/A
HBL4715DFOGY	G4015DFO	SMS4211FO
HBL4717NGY	G4017N	N/A
HBL4746H2GY	G4046H-2	N/A
HBL4718DFOGY	G4018FO	SMS4218FO
HBL47472BBFFGY	G4047-2BBFF	N/A
HBL47472BBBBGY	G4047-2BBBB	N/A
HBL47472BBSSGY	G4047-2BBSS	N/A
HBL47472BBXXGY	G4047-2BBXX	N/A
HBL47472BBTTGY	G4047-2BBTT	N/A
HBL4747AXGY	G4047AX	N/A
HBL47472RRXXGY	G4047-2RRXX	N/A
HBL4747BFGY	G4047BF	N/A
HBL4747BBGY	G4047BB	N/A
HBL4747BRGY	N/A	N/A
HBL4747BRIV	N/A	N/A
HBL4747BTGY	G4047BT	N/A
HBL4747BSGY	G4047BS	N/A
HBL4774AGY	G4074A	N/A
HBL4750GY	G4050	N/A
HBL47472RRXXIV	V4047-2RRXX	N/A
HBL47472BBXXIV	V4047-2BBXX	N/A
HBL4747BBIV	V4047BB	N/A
HBL4747AXIV	V4047AX	N/A
HBL4747BFIV	V4047BF	N/A
HBL4747BTIV	V4047BT	N/A
HBL4747BSIV	V4047BS	N/A
HBL4747C1IV	V4047C-1	N/A
HBL4747BXIV	V4047BX	N/A
HBL4747JXIV	V4047JX	N/A
HBL4747C2IV	V4047C-2	N/A
HBL4750CIV	V4000C	SMS4203-I
HBL4750B10IV	V4000B-10	SMS4200-I
HBL4750C315IV	V4000C315	SMS4267-I
HBL4750C195IV	V4000C195	SMS4265-I
HBL4711DFOIV	V4011FO	SMS4209FO-I
HBL4711IV	V4011	SMS4209-I
HBL4710DFOIV	V4010DFO	SMS4205-I
HBL4710IV	V4010	SMS4205-I
HBL4710BIV	V4010B	SMS4204-I

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL4756IV	V4006	N/A
HBL4756AIV	V4006	N/A
HBL4714AIV	V4014A	SMS4230-I
HBL4712TXIV	V4012TX	SMS4215-I
HBL4750C135IV	V4000C135	SMS4263-I
HBL4750C075IV	V4000C075	SMS4261-I
HBL4717DFOIV	V4017FO	SMS4214FO-I
HBL4717IV	V4017	SMS4214-I
HBL4715DFOIV	V4015DFO	SMS4211FO-I
HBL4715IV	V4015	SMS4211-I
HBL4718DFOIV	V4018FO	SMS4218FO-I
HBL4718IV	V4018	SMS4218-I
HBL4717NIV	V4017N	N/A
HBL47472BBBBIV	V4047-2BBBB	N/A
HBL4746H2IV	V4046H-2	N/A
HBL47472BBTTIV	V4047-2BBTT	N/A
HBL47472BBSSIV	V4047-2BBSS	N/A
HBL4747CVMGY	G6007C-1	N/A
HBL4786AGY	G4086A	SMS4286
HBL4750TFIV	N/A	N/A
HBL4747CVM2GY	G6007C-2	N/A
HBL4750BP	N/A	N/A
HBL4750TFGY	N/A	N/A
HBL4756GY	G4006	N/A
HBL4751DA	4001DA	SMS4201
HBL640BDK	640BDK	N/A
HBL640CDK	640CDK	N/A
HBL4750CGY	G4000C	SMS4203
HBL4750C135GY	G4000C135	SMS4263
HBL4750C315GY	G4000C315	SMS4267
HBL4750DGY	G4000D	SMS4207
HBL4750WCGY	G4000WC	SMS4206
HBL4710BGY	G4010B	SMS4204
HBL4710DFOGY	G4010DFO	SMS4205
HBL4710GY	G4010	SMS4205
HBL4711DFOGY	G4011FO	SMS4209FO
HBL4711GY	G4011	SMS4209
HBL4712TXGY	G4012TX	SMS4215
HBL4714AGY	G4014A	SMS4230
HBL4717DFOGY	G4017FO	SMS4214FO
HBL4717GY	G4017	SMS4214
HBL4717TCAGY	G4017TCA	N/A
HBL4774AIV	V4074A	N/A
HBL4786AIV	V4086A	SMS4286-I
HBL4747CVMIV	V6007C-1	N/A
HBL4747CVM2IV	V6007C-2	N/A
HBL6750 Series	**6000 Series**	
HBL6751A	6001A	SMS4402
HBL660C	640C	SMS644C
HBL660CDK	640CDK	N/A
HBL660B	660B	SMS644B
HBL660BDK	660BDK	N/A
HBL6718DFOGY	G4018FO	N/A
HBL6718GY	G6017TX	SMS4418
HBL6746HHHGY	G4046H-2 (4000 Series 2-Gang)	N/A
HBL67473BBBBBBGY	G4047-2BBBB (4000 Series 2-Gang)	N/A
HBL67473BBBBFFGY	G4047-2BBFF (4000 Series 2-Gang)	N/A
HBL67473BBBBSSGY	G4047-2BBSS (4000 Series 2-Gang)	N/A

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HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Metal Raceway - Cross Reference
HBL6750 Series and Metal PlugTrak®

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL67473BBBBTTGY	G4047-2BBTT (4000 Series 2-Gang)	N/A
HBL67473BBBBXXGY	G4047-2BBXX (4000 Series 2-Gang)	N/A
HBL6747AXXGY	G4047AX (4000 Series 2-Gang)	N/A
HBL6747BBBGY	G4047BB (4000 Series 2-Gang)	N/A
HBL6747BBFGY	G4047BF (4000 Series 2-Gang)	N/A
HBL6747BBSGY	G4047BS (4000 Series 2-Gang)	N/A
HBL6747BBTGY	G4047BT (4000 Series 2-Gang)	N/A
HBL6747BXXGY	G4047BX (4000 Series 2-Gang)	N/A
HBL6747C1GY	V4047C-1 (4000 Series 1-Gang Overlapping)	N/A
HBL6747C2GY	V4047C-2 (4000 Series 2-Gang Overlapping)	N/A
HBL6747JXXGY	G4047JX (4000 Series 2-Gang)	N/A
HBL6747RRFGY	G4047RF (4000 Series 2-Gang)	N/A
HBL6747RXXGY	G4047RX (4000 Series 2-Gang)	N/A
HBL67473RRRRXXGY	G4047-2RRXX	N/A
HBL6750GY	G4050	N/A
HBL6750B10GY	G6000B-10	SMS4400
HBL6750CGY	G6000C	SMS4203
HBL6750DAGY	G6000DA	SMS4407
HBL6750WCGY	G6000WC	SMS4406
HBL6751DAGY	G6001DA	SMS4401
HBL6756GY	G6006	SMS4408
HBL6756AGY	G6006	SMS4408
HBL6710BGY	G6010B	SMS4404
HBL6711DFOGY	G6011TX	SMS4419
HBL6711GY	G6011TX	SMS4419
HBL6712TXGY	G6012TX	SMS4415
HBL6714AGY	G6014A	SMS4430
HBL6717DFOGY	G6017TX	SMS4418
HBL6717GY	G6017TX	SMS4418
HBL6774AGY	G6074A	SMS4473
HBL6786GY	G6086	SMS4486
HBL6750C075IV	N/A	N/A
HBL6750C075GY	N/A	N/A
HBL6750C135IV	N/A	N/A
HBL6750C135GY	N/A	N/A
HBL6750C195IV	N/A	N/A
HBL6750C195GY	N/A	N/A
HBL6750C315IV	N/A	N/A
HBL6750C315GY	N/A	N/A
HBL6715DFOIV	N/A	SMS4410-I
HBL6715IV	N/A	SMS4410-I
HBL6715DFOGY	N/A	N/A
HBL6715GY	N/A	SMS4410
HBL6717NIV	N/A	N/A
HBL6717NGY	N/A	N/A
HBL6717TCAGY	N/A	N/A
HBL6710DFOIV	N/A	N/A
HBL6710DFOGY	N/A	N/A
HBL6750TFIV	N/A	N/A
HBL6750TFGY	N/A	N/A
HBL6718DFOIV	V4018FO	N/A

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL6746HHHIV	V4046H-2 (4000 Series 2-Gang)	N/A
HBL67473BBBBXXGY	V4047-2BBBB (4000 Series 2-Gang)	N/A
HBL67473BBBBFFIV	V4047-2BBFF (4000 Series 2-Gang)	N/A
HBL67473BBBBSSIV	V4047-2BBSS (4000 Series 2-Gang)	N/A
HBL67473BBBBTTIV	V4047-2BBTT (4000 Series 2-Gang)	N/A
HBL67473BBBBXXIV	V4047-2BBXX (4000 Series 2-Gang)	N/A
HBL6747AXXIV	V4047AX (4000 Series 2-Gang)	N/A
HBL6747BBBIV	V4047BB (4000 Series 2-Gang)	N/A
HBL6747BBFIV	V4047BF (4000 Series 2-Gang)	N/A
HBL6747BBSIV	V4047BS (4000 Series 2-Gang)	N/A
HBL6747BBTIV	V4047BT (4000 Series 2-Gang)	N/A
HBL6747BXXIV	V4047BX (4000 Series 2-Gang)	N/A
HBL6747C1IV	V4047C-1 (4000 Series 1-Gang Overlapping)	N/A
HBL6747C2IV	V4047C-2 (4000 Series 2-Gang Overlapping)	N/A
HBL6747JXXIV	V4047JX (4000 Series 2-Gang)	N/A
HBL6747RRFIV	V4047RF (4000 Series 2-Gang)	N/A
HBL6747RXXIV	V4047RX (4000 Series 2-Gang)	N/A
HBL67473RRRRXXIV	V4047-2RRXX	N/A
HBL6750IV	V4050	N/A
HBL6750B10IV	V6000B-10	SMS4400-I
HBL6750CIV	V6000C	SMS4203-I
HBL6756IV	V6006	SMS4408-I
HBL6710BIV	V6010B	SMS4404-I
HBL6711DFOIV	V6011TX	SMS4419-I
HBL6711IV	V6011TX	SMS4419-I
HBL6712TXIV	V6012TX	SMS4415-I
HBL6714AIV	V6014A	SMS4430-I
HBL6774AIV	V6074A	SMS4473-I
HBL6786IV	V6086	SMS4486-I

Metal PlugTrak®	Metal Plugmold®	
HBL20C215IV	V20-C2	SSC40
HBL20C215GY	G20-C2	N/A
HBL20C315IV	N/A	SSC52
HBL20C315GY	N/A	N/A
HBL20GB306GY	G20GB306	N/A
HBL20IG306GY	G20IG306	N/A
HBL20GB506GY	G20GB506	N/A
HBL20GB512GY	G20GB512	N/A
HBL20GB606GY	G20GB606	N/A
HBL20GB609GY	G20GB609	N/A
HBL20GB612GY	G20GB612	N/A
HBL20GB618GY	G20GB618	N/A
HBL20GBA512GY	G20GBA512	N/A
HBL20GBA609GY	G20GBA609	N/A
HBL20GBA612GY	G20GBA612	N/A
HBL20GBA618GY	G20GBA618	N/A

Wiremold® is a registered trademark of The Wiremold Company. Mono-Systems, Inc.™ is a trademark of Mono-Systems, Inc. Hubbell Inc. is not affiliated with Mono-Systems, Inc.™ or The Wiremold Company.

Metal Raceway - Cross Reference
Metal PlugTrak®, Aluminum Metal Raceway and Aluminum PlugTrak®

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL20IG512GY	G20IG512	N/A
HBL20IG606GY	G20IG606	N/A
HBL24GB306GY	G24GB306	N/A
HBL24GB506GY	G24GB506	N/A
HBL24GB512GY	G24GB512	N/A
HBL24GBA512GY	G24GBA512	N/A
HBL24GB606GY	G24GB606	N/A
HBL24GB612GY	G24GB612	N/A
HBL24GB618GY	G24GB618	N/A
HBL24GBA612GY	G24GBA612	N/A
HBL24GBA618GY	G24GBA618	N/A
HBL20GB306IV	V20GB306	19GB306
HBL20IG306IV	V20IG306	19IG306
HBL20GB506IV	V20GB506	19GB506
HBL20GB512IV	V20GB512	19GB512
HBL20GB606IV	V20GB606	19GB606
HBL20GB609IV	V20GB609	19BG609
HBL20GB612IV	V20GB612	19GB612
HBL20GB618IV	V20GB618	19GB618
HBL20GBA512IV	V20GBA512	19GBA512
HBL20GBA609IV	V20GBA609	19GBA609
HBL20GBA612IV	V20GBA612	19GBA612
HBL20GBA618IV	V20GBA618	19GBA618
HBL20IG512IV	V20IG512	19IG512
HBL20IG606IV	V20IG606	19IG606
HBL24GB306IV	V24GB306	192GB306
HBL24GB506IV	V24GB506	192GB506
HBL24GB512IV	V24GB512	192GB512
HBL24GBA512IV	V24GBA512	192GBA512
HBL24GB606IV	V24GB606	192GB606
HBL24GB612IV	V24GB612	192GB612
HBL24GB618IV	V24GB618	192GB618
HBL24GBA612IV	V24GBA612	192GBA612
HBL24GBA618IV	V24GBA618	192GBA618

HBLALU2000 Series	ALA2000 Series	
HBLALU2000B10	AL2000B-10	N/A
HBLALU2000B5	AL2000B-5	N/A
HBLALU2000C5	AL2000C-5	N/A
HBLALU2000WC	AL2000WC	N/A
HBLALU2001	AL2001	N/A
HBLALU2003	AL2003	N/A
HBLALU2006	AL2006	N/A
HBLALU2009	AL2009	N/A
HBLALU2010A	AL2010A	N/A
HBLALU2010B	AL2010B	N/A
HBLALU2011	AL2011	N/A
HBLALU2015	AL2015	N/A
HBLALU2017	AL2017	N/A
HBLALU2018	AL2018	N/A
HBLALU2038	AL2038	N/A
HBLALU2040A	AL2040A	N/A
HBLALU2043	AL2043	N/A
HBLALU2044	AL2044	N/A
HBLALU20442	AL2044-2	N/A
HBLALU2047	AL2047	N/A
HBLALU20472	AL2047-2	N/A
HBLALU2051H	AL2051H	N/A

Aluminum PlugTrak®	Aluminum Plugmold®	
HBLALU20GB306	AL20GB306	N/A
HBLALU20GB506	AL20GB506	N/A
HBLALU20GB512	AL20GB512	N/A

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBLALU20GB606	AL20GB606	N/A
HBLALU20GB612	AL20GB612	N/A
HBLALU20GB618	AL20GB618	N/A
HBLALU20GBA606	AL20GBA606	N/A
HBLALU20GBA612	AL20GBA612	N/A
HBLALU20GBA618	AL20GBA618	N/A
HBLALU20IG306	AL20IG306	N/A
HBLALU20IG506	AL20IG506	N/A
HBLALU20IG606	AL20IG606	N/A
HBLALU24GB306	N/A	N/A
HBLALU24IG306	N/A	N/A
HBLALU24GB506	N/A	N/A
HBLALU24GB512	N/A	N/A
HBLALU24IG506	N/A	N/A
HBLALU24GB606	N/A	N/A
HBLALU24GB612	N/A	N/A
HBLALU24GB618	N/A	N/A
HBLALU24GBA606	N/A	N/A
HBLALU24GBA612	N/A	N/A
HBLALU24GBA618	N/A	N/A
HBLALU24IG606	N/A	N/A

HBLALU3800 Series	ALA3800 Series	
HBLALU3800B10	ALA3800B-10	SWA3300
HBLALU3806	ALA3806	SWA3306
HBLALU3810B	ALA3810B	SWA3304
HBLALU3810B1	ALA3810B1	SWA3304
HBLALU3811	ALA3811	SWA3309
HBLALU3815	ALA3815	SWA3310
HBLALU3817	ALA3817	SWA3314
HBLALU3817N	ALA3817N	N/A
HBLALU3818	ALA3818	SWA3318
HBLALUC5	ALAC-5	SWA3303
HBLALUWC	ALAWC	N/A

HBLALU4800 Series	ALA4800 Series	
HBLALU01	ALA01	SWA4802
HBLALU09	ALA09	SWA33GC
HBLALU17A	ALA17A	N/A
HBLALU4800B10	ALA4800B-10	SWA4804
HBLALU4806	ALA4806	SWA4806
HBLALU4810B	ALA4810B	SWA4804
HBLALU4810B2	ALA4810B2	SWA4804
HBLALU4811	ALA4811	SWA4809
HBLALU4815	ALA4815	SWA4810
HBLALU4817	ALA4817	SWA4814
HBLALU4817N	ALA4817N	SWA4817
HBLALU4818	ALA4818	SWA4818
HBLALUABRT	ALA-ABRT	N/A
HBLALUBL	ALA-BL	N/A
HBLALUDR	ALA-DR	SWA3346/SWA4846
HBLALUE	ALA-E	SWA3325/SWA4825
HBLALUF	ALA-F	SWA3345/SWA4826
HBLALUG	ALA-G	SWA3323/SWA4823
HBLALUJ	ALA-J	SWA4845
HBLALUN	ALA-N	SWA3348/SWA4848
HBLALULPB	N/A	N/A

Touch-up Paint	Touch-up Paint	
HBLGWEP	GWE-S	SMSPT-G
HBLIWEP	IWE-S	SMSPT-I

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Hubbell Raceway
Raceway Profiles - Quick Reference Guide

* Available in **PRE-WIRED**

Metal Raceway - Ivory, White or Gray in Color

HBL500
Ivory
.22" (1.42)
.53" (13.46)
.76" (19.30)

HBL750
Ivory/White
.40" (2.58)
.85" (21.59)
.76" (19.30)

HBL2000/A
Ivory/Gray
.89" (5.74)
.83" (21.08)
1.31" (33.27)

Metal PlugTrak®
Ivory/Gray
.83" (21.08)
1.31" (33.27)

HBL2400
Ivory
1.39" (8.97)
.88" (22.40)
1.91" (48.51)

HBL2400D
Ivory
.86" (5.55)
.37" (2.39)
.88" (22.40)
1.91" (48.51)

HBL3000*
Ivory/Gray
3.70" (23.87)
1.53" (38.86)
2.75" (69.85)

HBL4750*
Ivory/Gray
7.20" (46.45) Undivided
1.75" (44.45)
4.75" (120.65)

HBL6750*
Ivory/Gray
13.77" (88.84) Undivided
2.22" (56.39)
6.75" (171.45)

Notes: * Available in PRE-WIRED.
Channel Area in Square Inches (square centimeters).
Dimensions in Inches (mm).

Aluminum Raceway - Satin Anodized Finish

HBLALU2000
1.20" (7.74)
.91" (23.11)
1.84" (46.74)

Aluminum PlugTrak®
.91" (23.11)
1.84" (46.74)

HBLALU3800*
5.80" (37.42)
2.25" (57.15)
3.00" (76.20)

HBLALU4800*
5.80" (37.42)
5.80" (37.42)
2.25" (57.15)
6.00" (152.40)

HBLALU5000*
3.80" (24.52)
3.80" (24.52)
1.75" (44.45)
5.08" (129.03)

HBLALU7620*
5.00" (32.26)
5.00" (32.26)
5.00" (32.26)
2.25" (57.15)
7.62" (193.55)

Notes: * Available in PRE-WIRED.
Channel Area in Square Inches (square centimeters).
Dimensions in Inches (mm).

Non-Metallic Raceway - Office White in Color

PT1
.29" (1.87)
.68" (17.27)
.75" (19.05)

PP1
.38" (2.45)
.77" (19.56)
.84" (21.34)

PL1
1.03" (6.65)
1.04" (26.42)
1.38" (35.05)

Non-Metallic PlugTrak®
1.04" (26.42)
1.38" (35.05)

PW1
.30" (1.94)
.50" (12.70)
1.19" (30.23)

PW2
.81" (5.23)
.79" (5.10)
1.04" (26.42)
2.12" (53.85)

PB2*
2.86" (18.45)
2.86" (18.45)
1.63" (41.40)
4.50" (114.30)

PB3
1.80" (11.61)
1.97" (12.71)
1.80" (11.61)
1.63" (41.40)
4.50" (114.30)

PS3*
3.41" (22.00)
3.76" (24.26)
3.41" (22.00)
1.97" (50.04)
6.70" (170.18)

Notes: * Available in PRE-WIRED.
Channel Area in Square Inches (square centimeters).
Dimensions in Inches (mm).

Hubbell PolyTrak® Non-Metallic Raceway
Product Applications

3

1

2

7 **8** **9** **10** **11**

4

6

5

12

Hubbell PolyTrak® Non-Metallic Raceway Product Applications

1	PB2C10		**6**	PB2IND2G		**11**	PP1ABC5	
2	PB2B10		**7**	PB3REDA		**12**	PDB12S	
3	PB2CACF		**8**	PW2ABC5		**13**	PW1LPB	
4	PB3TCBCA		**9**	PDB12TGD		**14**	PW1ABC7	
5	PB3FEBCA		**10**	PW2RED		**15**	PW1CA	

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Hubbell PolyTrak® Non-Metallic Raceway Product Applications

16	PS3BC5	21	PB3FEBCA	26	PL1FEBC
17	PS3CACF	22	PB3FCIB3G	27	PL1TCBC
18	PS3SC	23	PB3IEBCA	28	PDB12LF
19	PS3FCIB3G	24	PB3TRBC	29	PL1IEBC
20	PS3RED	25	PL1ABC5	30	PT156112

Non-Metallic Raceway
Complete Line of Raceway
Features and Benefits

Complete Line of Raceway

- PolyTrak® Non-Metallic Surface Raceway is a complete system with raceway, fittings, boxes and devices.

- Sizes range from single channel PremiseTrak® to three channel Super BaseTrak® for all types of surface raceway requirements.

- Single and two channel latching raceways are dual-rated for both power and data applications, reducing inventory requirements.

- UL Listed and CSA Certified to 600 volts.

- Office white color.

Non-Metallic PlugTrak®

- Available as hard wired multi-outlet assembly or relocatable power tap.
- Hubbell designed and manufactured 15 or 20 Amp receptacles.
- UL Listed and CSA Certified.
- Office white color.

Hard wired multi-outlet PlugTrak:
- Available in 5 ft. or 6 ft. lengths.
- Available in single, two circuit and is inherently an isolated ground product.
- Multiple spacing configurations.
- Hard wired PlugTrak mates with LANTrak® fittings and boxes.

Portable PlugTrak:
- Available in 3 ft. (0.9m) or 5 ft. (1.5m) lengths.
- 6 ft. (1.8m) length 15 or 20 Amp molded cord set allows reliable access.
- Pre-punched holes makes mounting easy.

Non-Metallic Raceway
Complete Line of Raceway
Features and Benefits

One Box, Three Systems

- Boxes have three cut-aways that can be utilized with WallTrak®, LANTrak and PremiseTrak (Latching) systems.

- Reduces inventory requirements.

- Eliminates need to order three separate boxes.

- Boxes available in low, standard and deep profiles.

- Two-gang divided box available for power, data, voice, audio and video applications.

- Boxes utilize Hubbell KP plates or iSTATION™ Modules and Bezels.

Flush or Full Capacity Boxes

- Super BaseTrak and BaseTrak Raceway offer multiple solutions for box installation.

- Super BaseTrak in-line three-gang box allows maximum capacity in a flush design.

- Super BaseTrak and BaseTrak available in single, two and three-gang full capacity boxes.

- Two and three channel BaseTrak (PB2 and PB3) available with one and two-gang in-line boxes.

- Full capacity in-line boxes eliminate the need to de-rate the wire fill capacity due to the intrusion of devices into the raceway channel.

Non-Metallic Raceway
PT1 PremiseTrak® (Non-Latching)

UL LISTED   CSA CERTIFIED

Raceway

		Catalog Numbers	Length	Color
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.		**PT1BC5** A: .68" (17.27) B: .75" (19.05)	5 ft.	Office White
		PT1BC7 A: .68" (17.27) B: .75" (19.05)	7 ft.	Office White
Base and Cover (with adhesive) Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.		**PT1ABC5** A: .68" (17.27) B: .75" (19.05)	5 ft.	Office White
		PT1ABC7 A: .68" (17.27) B: .75" (19.05)	7 ft.	Office White

Switch and Receptacle Boxes

		Catalog Numbers	Color
1-Gang Low Profile Box For shallow switches and receptacles. See page O-97 for recommended plate options.		**PT12LPB** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.12" (28.45)	Office White
1-Gang Standard Box For standard switches and receptacles. See page O-97 for recommended plate options.		**PT12SBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)	Office White
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page O-97 for recommended plate options.		**PT12DBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)	Office White
2-Gang Deep Box For deep devices or applications where additional room is beneficial. Uses 2-gang "KP" or "IFP" Plates for power or data applications. See page O-97 for recommended plate options.		**PT12TGB** A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)	Office White

Round Box

		Catalog Numbers	Color
Round Lighting Fixture Box To hang fixtures.		**PT12LFB** A: 5.31" (134.87) B: 1.04" (26.52)	Office White

Non-Metallic Raceway
PT1 PremiseTrak® (Non-Latching)

Fittings	Catalog Numbers	Color
Internal Elbow - Cover Only For inside surfaces at right angles.	**PT1IE** A: 1.34" (34.04) B: 0.89" (22.61) C: 1.34" (34.04)	Office White
External Elbow - Cover Only For outside surfaces at right angles.	**PT1EE** A: 1.24" (31.50) B: 0.88" (22.35) C: 1.24" (31.50)	Office White
Flat Elbow - Cover Only For right angle turns on same surface.	**PT1FE** A: 1.33" (33.78) B: 1.33" (33.78) C: 0.74" (18.80)	Office White
Tee - Cover Only For T-connection off PremiseTrak® Raceway.	**PT1TC** A: 1.77" (44.90) B: 1.33" (33.78) C: 0.74" (18.80)	Office White
Splice Cover For covering potential openings where two lengths of raceway come together.	**PT1SC** A: 1.00" (25.40) B: 0.89" (22.61) C: 0.74" (18.80)	Office White
End Cap For closing end of raceway.	**PT1EC** A: 0.88" (22.35) B: 0.74" (18.80) C: 0.89" (22.61)	Office White
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	**PT12CA** A: 1.64" (41.66) B: 1.62" (41.15) C: 2.50" (63.50)	Office White

Non-Metallic Raceway
PP1 PremiseTrak® (Latching)

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Raceway

	Catalog Numbers	Length	Color
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	**PP1BC5** A: 0.77" (19.56) B: 0.84" (21.34)	5 ft.	Office White
	PP1BC7 A: 0.77" (19.56) B: 0.84" (21.34)	7 ft.	Office White
Base and Cover (with adhesive) Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	**PP1ABC5** A: 0.77" (19.56) B: 0.84" (21.34)	5 ft.	Office White
	PP1ABC7 A: 0.77" (19.56) B: 0.84" (21.34)	7 ft.	Office White

Switch and Receptacle Boxes

	Catalog Numbers	Color
1-Gang Low Profile Box For shallow switches and receptacles. See page O-97 for recommended plate options.	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	Office White
1-Gang Standard Box For standard switches and receptacles. See page O-97 for recommended plate options.	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	Office White
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page O-97 for recommended plate options.	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)	Office White
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page O-97 for single gang "KP" Plate options. Comes with removable divider.	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	Office White
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" Plates only. See page O-97 for details.	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	Office White

Round Box

	Catalog Numbers	Color
Round Lighting Fixture Box To hang fixtures.	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)	Office White

HUBBELL Wiring Device-Kellems www.hubbell-wiring.com *Dimensions in Inches (mm)*

Non-Metallic Raceway
PP1 PremiseTrak® (Latching)

UL LISTED **CSA® CERTIFIED**

Fittings			Catalog Numbers		Color
			Cover Only	Base & Cover	
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.			**PP1IE** A: 2.40" (60.96) B: 1.03" (26.16) C: 2.40" (60.96)	**PP1IEBC** A: 2.40" (60.96) B: 1.03" (26.16) C: 2.40" (60.96)	Office White
External Elbow Full capacity 1¼ in. bend radius external elbow.			**PP1EE** A: 4.47" (113.54) B: 1.03" (26.16) C: 4.47" (113.54)	**PP1EEBC** A: 4.47" (113.54) B: 1.03" (26.16) C: 4.47" (113.54)	Office White
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.			**PP1FE** A: 2.62" (66.55) B: 2.62" (66.55) C: 0.85" (21.59)	**PP1FEBC** A: 2.62" (66.55) B: 2.62" (66.55) C: 0.85" (21.59)	Office White
Tee Full capacity 1¼ in. bend radius tee.			**PP1TC** A: 4.22" (107.19) B: 2.62" (66.55) C: 0.85" (21.59)	**PP1TCBC** A: 4.22" (107.19) B: 2.62" (66.55) C: 0.85" (21.59)	Office White
Splice Cover For covering potential openings where two lengths of raceway come together.			**PP1SC** A: 1.09" (27.69) B: 1.02" (25.91) C: 0.85" (21.59)		Office White
Safety Strap For preventing potential tampering with PP1 PremiseTrak cover. Can also be used as a splice cover.			**PP1SS** A: 0.62" (15.75) B: 1.94" (49.28) C: 0.86" (21.84)		Office White
End Cap For closing end of raceway.			**PP1EC** A: 1.00" (25.40) B: 0.84" (21.34) C: 0.77" (19.56)		Office White
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.				**PLP1CACF** A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)	Office White

Dimensions in Inches (mm)   www.hubbell-wiring.com   **HUBBELL®** **Wiring Device-Kellems**   O-83

Non-Metallic Raceway
PL1 LANTrak® (Latching)

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Raceway

Raceway	Catalog Numbers	Length	Color
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	**PL1BC5** A: 1.04" (26.42) B: 1.38" (35.05)	5 ft.	Office White
	PL1BC7 A: 1.04" (26.42) B: 1.38" (35.05)	7 ft.	Office White
Base and Cover (with adhesive) Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	**PL1ABC5** A: 1.04" (26.42) B: 1.38" (35.05)	5 ft.	Office White
	PL1ABC7 A: 1.04" (26.42) B: 1.38" (35.05)	7 ft.	Office White

Switch and Receptacle Boxes

Switch and Receptacle Boxes	Catalog Numbers	Color
1-Gang Low Profile Box For shallow switches and receptacles. See page O-97 for recommended plate options.	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	Office White
1-Gang Standard Box For standard switches and receptacles. See page O-97 for recommended plate options.	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	Office White
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page O-97 for recommended plate options.	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)	Office White
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page O-97 for single gang "KP" Plate options. Comes with removable divider.	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	Office White
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" Plates only. See page O-97 for details.	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	Office White

Round Box

Round Box	Catalog Numbers	Color
Round Lighting Fixture Box To hang fixtures.	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)	Office White

Non-Metallic Raceway
PL1 LANTrak® (Latching)

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Fittings		Catalog Numbers		Color
		Cover Only	**Base & Cover**	
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.		**PL1IE** A: 2.51" (63.75) B: 1.57" (39.88) C: 2.51" (63.75)	**PL1IEBC** A: 2.51" (63.75) B: 1.57" (39.88) C: 2.51" (63.75)	Office White
External Elbow Full capacity 1¼ in. bend radius external elbow.		**PL1EE** A: 5.06" (128.52) B: 1.57" (39.88) C: 5.06" (128.52)	**PL1EEBC** A: 5.06" (128.52) B: 1.57" (39.88) C: 5.06" (128.52)	Office White
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.		**PL1FE** A: 3.19" (81.03) B: 3.19" (81.03) C: 1.11" (28.19)	**PL1FEBC** A: 3.19" (81.03) B: 3.19" (81.03) C: 1.11" (28.19)	Office White
Tee Full capacity 1¼ in. bend radius tee.		**PL1TC** A: 4.75" (120.65) B: 3.15" (80.01) C: 1.11" (28.19)	**PL1TCBC** A: 4.75" (120.65) B: 3.15" (80.01) C: 1.11" (28.19)	Office White
Splice Cover For covering potential openings where two lengths of raceway come together.		**PL1SC** A: 1.12" (28.45) B: 1.55" (39.37) C: 1.11" (28.19)		Office White
Safety Strap For preventing potential tampering with PL1 LANTrak cover. Can also be used as a splice cover.		**PL1SS** A: 0.62" (15.75) B: 2.68" (68.07) C: 1.12" (28.45)		Office White
End Cap For closing end of raceway.		**PL1EC** A: 1.00" (25.40) B: 1.39" (35.31) C: 1.04" (26.42)		Office White
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.			**PLP1CACF** A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)	Office White

Non-Metallic Raceway
PW1 WallTrak® Low Profile (Latching)

UL LISTED CSA CERTIFIED

Raceway

Raceway		Catalog Numbers	Length	Color
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.		**PW1BC5** A: .50" (12.70) B: 1.19" (30.23)	5 ft.	Office White
		PW1BC7 A: .50" (12.70) B: 1.19" (30.23)	7 ft.	Office White
Base and Cover (with adhesive) Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.		**PW1ABC5** A: .50" (12.70) B: 1.19" (30.23)	5 ft.	Office White
		PW1ABC7 A: .50" (12.70) B: 1.19" (30.23)	7 ft.	Office White

Boxes

Boxes		Catalog Numbers	Color
1-Gang Low Profile Box For shallow switches and receptacles. See page O-97 for recommended plate options.		**PW1LPB** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.13" (28.70)	Office White
1-Gang Standard Box For standard switches and receptacles. See page O-97 for recommended plate options.		**PW1SBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)	Office White
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page O-97 for recommended plate options.		**PW1DBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)	Office White
2-Gang Deep Box For deep devices or applications where additional room is beneficial. Uses 2-gang "KP" or "IFP" Plates for power or data applications. See page O-97 for recommended plate options.		**PW1TGB** A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)	Office White

Round Box

Round Box		Catalog Numbers	Color
Round Lighting Fixture Box To hang fixtures.		**PW1LFB** A: 5.31" (134.87) B: 1.04" (26.52)	Office White

Non-Metallic Raceway
PW1 WallTrak® Low Profile (Latching)

UL LISTED **CSA®** CERTIFIED

Fittings		Catalog Numbers	Color
Internal Elbow - Cover Only For inside surfaces at right angles.		**PW1IE** A: 1.75" (44.45) B: 1.43" (36.32) C: 1.75" (44.45)	Office White
External Elbow - Cover Only For outside surfaces at right angles.		**PW1EE** A: 1.50" (38.10) B: 1.43" (36.32) C: 1.50" (38.10)	Office White
Flat Elbow - Cover Only For right angle turns on same surface.		**PW1FE** A: 2.18" (55.37) B: 2.18" (55.37) C: .60" (15.24)	Office White
Tee - Cover Only For T-connection off PremiseTrak® Raceway.		**PW1TC** A: 2.93" (74.42) B: 2.18" (55.37) C: .60" (15.24)	Office White
Splice Cover For covering potential openings where two lengths of raceway come together.		**PW1SC** A: 1.00" (25.40) B: 1.43" (36.32) C: .60" (15.24)	Office White
End Cap For closing end of raceway.		**PW1EC** A: 1.00" (25.40) B: 1.24" (31.50) C: .50" (12.70)	Office White
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has ½ in. trade size KO and combination ½ in. and ¾ in. trade size KOs.		**PW1CA** A: 1.40" (35.56) B: 2.34" (59.44) C: 3.22" (81.79)	Office White

Non-Metallic Raceway
PW2 WallTrak® (Latching)

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Raceway

		Catalog Numbers	Length	Color
Base and Cover Two channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.		PW2BC5 A: 1.04" (26.42) B: 2.12" (53.85)	5 ft.	Office White
		PW2BC7 A: 1.04" (26.42) B: 2.12" (53.85)	7 ft.	Office White
Base and Cover (with adhesive) Two channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.		PW2ABC5 A: 1.04" (26.42) B: 2.12" (53.85)	5 ft.	Office White
		PW2ABC7 A: 1.04" (26.42) B: 2.12" (53.85)	7 ft.	Office White

Switch and Receptacle Boxes

		Catalog Numbers	Color
1-Gang Low Profile Box For shallow switches and receptacles. See page O-97 for recommended plate options.		PDB12LP A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	Office White
1-Gang Standard Box For standard switches and receptacles. See page O-97 for recommended plate options. If using dual services, the **PDB1DIV** must be ordered.		PDB12S A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	Office White
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page O-97 for recommended plate options. If using dual services, the **PDB1DIV** must be ordered.		PDB12D A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)	Office White
1-Gang Divider For use with **PDB12S** and **PDB12D** 1-gang boxes. Required when two services are passing through box.		PDB1DIV A: 2.79" (70.86) B: 1.40" (35.56) C: 0.94" (23.88)	Office White
2-Gang Deep Divided Box For deep devices or applications where additional room is beneficial. See page O-97 for single gang "KP" Plate options. Comes with removable divider. If using dual services, the **PDB2DIV** must be ordered.		PDB12TGD A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	Office White
2-Gang Divider For use with **PDB12TGD** 2-gang box only. Required when two services are passing through box and mounting devices perpendicular to raceway.		PDB2DIV A: 4.62" (117.35) B: 2.76" (70.10) C: 0.94" (23.88)	Office White
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" Plates only. See page O-97 for details.		PDB12TGLV A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	Office White

Round Box

		Catalog Numbers	Color
Round Lighting Fixture Box To hang fixtures.		PDB12LF A: 5.31" (134.87) B: 1.29" (32.77)	Office White

Non-Metallic Raceway
PW2 WallTrak® (Latching)

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Fittings			Catalog Numbers		Color
			Cover Only	Base & Cover	
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.			**PW2IE** A: 2.83" (71.88) B: 2.32" (58.93) C: 2.83" (71.88)	**PW2IEBC** A: 2.83" (71.88) B: 2.32" (58.93) C: 2.83" (71.88)	Office White
External Elbow Full capacity 1¼ in. bend radius external elbow.			**PW2EE** A: 5.00" (127.00) B: 2.32" (58.93) C: 5.00" (127.00)	**PW2EEBC** A: 5.00" (127.00) B: 2.32" (58.93) C: 5.00" (127.00)	Office White
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.			**PW2FE** A: 3.94" (100.08) B: 3.94" (100.08) C: 1.11" (28.19)	**PW2FEBC** A: 3.94" (100.08) B: 3.94" (100.08) C: 1.11" (28.19)	Office White
Tee Full capacity 1¼ in. bend radius tee.			**PW2TC** A: 5.42" (137.67) B: 3.91" (99.31) C: 1.90" (48.26)	**PW2TCBC** A: 5.42" (137.67) B: 3.91" (99.31) C: 1.90" (48.26)	Office White
Splice Cover For covering potential openings where two lengths of raceway come together.			**PW2SC** A: 1.11" (28.19) B: 2.30" (58.42) C: 1.11" (28.19)		Office White
Safety Strap For preventing potential tampering with PW2 WallTrak Cover. Can also be used as a splice cover.			**PW2SS** A: 0.62" (15.75) B: 3.43" (87.12) C: 1.12" (28.45)		Office White
End Cap For closing end of PW2 WallTrak Raceway.			**PW2EC** A: 1.00" (25.40) B: 2.14" (54.36) C: 1.04" (26.42)		Office White
Reducer Reduces from PW2 WallTrak Raceway to one or two PP1 PremiseTrak Raceway(s).				**PW2RED** A: 1.62" (41.15) B: 2.40" (60.96) C: 1.15" (29.21)	Office White
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.				**PW2CACF** A: 4.18" (106.17) B: 3.32" (84.33) C: 4.20" (106.68)	Office White

Non-Metallic Raceway
PB2 BaseTrak® (Non-Latching)

Available in PRE-WIRED

UL LISTED   CSA CERTIFIED

Raceway		Catalog Numbers	Length	Color
Base Two channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.50" (114.30) H: 1.63" (41.40)		**PB2B5** A: 1.42" (36.07) B: 4.50" (114.30)	5 ft.	Office White
		PB2B10 A: 1.42" (36.07) B: 4.50" (114.30)	10 ft.	Office White
Cover Cover allows access to multiple channels. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.		**PB2C5** B: 4.50" (114.30)	5 ft.	Office White
		PB2C10 B: 4.50" (114.30)	10 ft.	Office White
Split Cover Cover allows separation of channels and access to a single channel. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Two split covers are required for each raceway section.		**PB2SPL5** B: 2.22" (56.39)	5 ft.	Office White
		PB2SPL10 B: 2.22" (56.39)	10 ft.	Office White
Wire Clip For holding conductors in place.		**PB2WC**		Office White

Box		Catalog Numbers	Color
2-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page O-97 for recommended "KP" Plate options.		**PB2IND2G** A: 7.66" (194.56) B: 4.74" (120.40) C: 1.84" (46.74)	Office White

Fittings		Catalog Numbers	Color
Internal Elbow - Base and Cover Full capacity 1¼ in. bend radius internal elbow.		**PB3IEBCA** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	Office White
External Elbow - Base and Cover Full capacity 1¼ in. bend radius external elbow.		**PB3EEBCA** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)	Office White
Flat Elbow - Base and Cover Full capacity 1¼ in. bend radius flat elbow.		**PB3FEBCA** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	Office White

Non-Metallic Raceway
PB2 BaseTrak® (Non-Latching)

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Fittings		Catalog Numbers	Color
Tee - Base and Cover Full capacity 1¼ in. bend radius tee.		**PB3TCBCA** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)	Office White
Splice Cover For covering potential openings where two lengths of raceway come together.		**PB3SC** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	Office White
Safety Strap For preventing potential tampering with PB2 BaseTrak Cover. Can also be used as a splice cover.		**PB3SS** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)	Office White
End Cap For closing end of PB2 BaseTrak Raceway.		**PB3ECA** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)	Office White
Reducer Reduces from PB2 BaseTrak Raceway to PW2 WallTrak Raceway.		**PB3REDA** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)	Office White
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.		**PB2CACF** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	Office White
Transition Fitting Transitions horizontal PB2 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.		**PB3TRBC** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	Office White
Surface Panel Connector For connecting PB2 Raceway with surface type panel boxes.		**PB3SPCA** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)	Office White

Non-Metallic Raceway
PB3 BaseTrak®

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Raceway		Catalog Numbers	Length	Color
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.		**PB3BC5** A: 1.63" (41.40) B: 4.50" (114.30)	5 ft.	Office White
		PB3BC10 A: 1.63" (41.40) B: 4.50" (114.30)	10 ft.	Office White
Wire Clip For holding conductors in place.		**PB3WC**		Office White

Boxes		Catalog Numbers	Color
1-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page O-97 for recommended plate options.		**PB3IND** A: 7.70" (195.58) B: 4.84" (122.94) C: 2.02" (51.31)	Office White
2-Gang In-Line Box For switches, receptacles and communication devices. Barriers allow separation of power and datacom. Removal of barriers allows for expanded capacity. See page O-97 for recommended plate options.		**PB3IND2G** A: 7.00" (177.80) B: 4.75" (120.65) C: 3.22" (81.78)	Office White
1-Gang Full Capacity Box 1-Gang box that allows full capacity from PB3 Raceway to box for either power or datacom applications. See page O-97 for recommended plate options.		**PB3FCIB** A: 4.38" (111.25) B: 4.80" (121.92) C: 3.17" (80.52)	Office White
2-Gang Full Capacity Box 2-Gang box that allows full capacity from PB3 Raceway to box for any combination of power and datacom applications. See page O-97 for recommended plate options.		**PB3FCIB2G** A: 7.20" (182.88) B: 4.80" (121.92) C: 3.17" (80.52)	Office White
3-Gang Full Capacity Box 3-Gang box that allows full capacity from PB3 Raceway to box for any combination of power and datacom applications. See page O-97 for recommended plate options.		**PB3FCIB3G** A: 9.96" (252.98) B: 4.80" (121.92) C: 3.17" (80.52)	Office White

		Catalog Numbers		
Fittings		Cover Only	Base & Cover	Color
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.		**PB3IE** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	**PB3IEBCA** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	Office White
External Elbow Full capacity 1¼ in. bend radius external elbow.		**PB3EE** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)	**PB3EEBCA** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)	Office White

Non-Metallic Raceway
PB3 BaseTrak®

Fittings		Catalog Numbers		
		Cover Only	Base & Cover	Color
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.		**PB3FE** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	**PB3FEBCA** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	Office White
Tee Full capacity 1¼ in. bend radius tee.			**PB3TCBCA** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)	Office White
Splice Cover For covering potential openings where two lengths of raceway come together.		**PB3SC** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)		Office White
Safety Strap Prevents potential tampering with PB3 BaseTrak Cover. Can also be used as a splice cover.		**PB3SS** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)		Office White
End Cap For closing end of PB3 BaseTrak Raceway.		**PB3ECA** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)		Office White
Reducer Reduces from PB3 BaseTrak Raceway to PW2 WallTrak Raceway.			**PB3REDA** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)	Office White
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.			**PB3CACF** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	Office White
Surface Panel Connector For connecting PB3 Raceway with surface type panel boxes.			**PB3SPCA** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)	Office White
Transition Fitting Transitions horizontal PB3 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.			**PB3TRBC** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	Office White
Transition Fitting Transitions from BT3 (old style) BaseTrak Raceway to PB3 (new style) BaseTrak Raceway.			**BTPB3TF** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.35" (34.29)	Office White

Non-Metallic Raceway
PS3 Super BaseTrak®

Available in PRE-WIRED

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Raceway		Catalog Numbers	Length	Color
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.		**PS3BC5** A: 1.97" (50.04) B: 6.70" (170.18)	5 ft.	Office White
		PS3BC10 A: 1.97" (50.04) B: 6.70" (170.18)	10 ft.	Office White
Wire Clip For holding conductors in place.		**PS3WC**		Office White

Boxes		Catalog Numbers	Color
3-Gang In-Line Box For any combination of power and datacom applications. Provides flush look. See page O-97 for recommended plate options.		**PS3IND** A: 7.00" (177.80) B: 6.95" (176.53) C: 2.28" (57.91)	Office White
1-Gang Full Capacity Box 1-Gang box that allows full capacity from PS3 Raceway to box for either power or datacom applications. See page O-97 for recommended plate options.		**PS3FCIB** A: 4.38" (111.25) B: 6.95" (176.53) C: 3.46" (87.88)	Office White
2-Gang Full Capacity Box 2-Gang box that allows full capacity from PS3 Raceway to box for any combination of power and datacom applications. See page O-97 for recommended plate options.		**PS3FCIB2G** A: 7.20" (182.88) B: 6.95" (176.53) C: 3.46" (87.88)	Office White
3-Gang Full Capacity Box 3-Gang box that allows full capacity from PS3 Raceway to box for any combination of power and datacom applications. See page O-97 for recommended plate options.		**PS3FCIB3G** A: 9.96" (252.98) B: 6.95" (176.53) C: 3.46" (87.88)	Office White

Fittings		Catalog Numbers		Color
		Cover Only	**Base & Cover**	
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.		**PS3IE** A: 4.36" (110.74) B: 6.93" (176.02) C: 4.36" (110.74)	**PS3IEBC** A: 4.36" (110.74) B: 6.93" (176.02) C: 4.36" (110.74)	Office White
External Elbow Full capacity 1¼ in. bend radius external elbow.		**PS3EE** A: 6.81" (172.97) B: 6.93" (176.02) C: 6.81" (172.97)	**PS3EEBC** A: 6.81" (172.97) B: 6.93" (176.02) C: 6.81" (172.97)	Office White

Non-Metallic Raceway
PS3 Super BaseTrak®

UL LISTED **CSA®** CERTIFIED

Fittings		Catalog Numbers		
		Cover Only	Base & Cover	Color
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.		PS3FE A: 9.85" (250.19) B: 9.85" (250.19) C: 2.08" (52.83)	PS3FEBC A: 9.85" (250.19) B: 9.85" (250.19) C: 2.08" (52.83)	Office White
Tee Full capacity 1¼ in. bend radius tee.			PS3TCBC A: 10.00" (254.00) B: 9.68" (245.87) C: 3.30" (83.82)	Office White
Splice Cover For covering potential openings where two lengths of raceway come together.		PS3SC A: 1.56" (39.62) B: 6.95" (176.53) C: 2.03" (51.62)		Office White
Safety Strap Prevents potential tampering with PS3 Super BaseTrak cover. Can also be used as a splice cover.		PS3SS A: 1.50" (38.10) B: 8.24" (209.30) C: 2.08" (52.85)		Office White
End Cap For closing end of PS3 Super BaseTrak Raceway.		PS3EC A: 1.50" (38.10) B: 6.88" (174.75) C: 2.06" (52.32)		Office White
Reducer Reduces from PS3 Super BaseTrak Raceway to PB3 BaseTrak Raceway.		PS3RED A: 4.81" (122.17) B: 6.93" (176.02) C: 2.05" (52.07)		Office White
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.		PS3CACF A; 6.93" (176.02) B: 4.32" (109.73) C: 6.29" (159.77)		Office White
Surface Panel Connector To connect PS3 Raceway with surface type panel boxes.		PS3SPC A: 1.00" (25.40) B: 7.87" (199.90) C: 2.54" (64.52)		Office White

Non-Metallic PlugTrak®
PlugTrak® and Portable PlugTrak®

Non-Metallic PlugTrak® - 5 Ft. Base and Cover

Catalog Numbers	Amps	Circuits	# Duplex Receptacles	Receptacle Spacing (in.)
PT155112	15	Single	5	12
PT155212	15	Two	5	12
PT155115	15	Single	4	15
PT155130	15	Single	2	30
PT205112	20	Single	5	12
PT205212	20	Two	5	12
PT205115	20	Single	4	15
PT205215	20	Two	4	15
PT205130	20	Single	2	30

*Note: Each Non-Metallic PlugTrak is supplied with one **PL1EC** End Cap and "IG" stickers for Isolated Ground applications.*

Non-Metallic PlugTrak® - 6 Ft. Base and Cover

Catalog Numbers	Amps	Circuits	# Duplex Receptacles	Receptacle Spacing (in.)
PT156112	15	Single	6	12
PT156212	15	Two	6	12
PT156118	15	Single	4	18
PT156124	15	Single	3	24
PT206106	20	Single	12	6
PT206206	20	Two	12	6
PT206112	20	Single	6	12
PT206212	20	Two	6	12
PT206118	20	Single	4	18
PT206218	20	Two	4	18
PT206124	20	Single	3	24
PT206224	20	Two	3	24
PT206136	20	Single	2	36

*Note: Each Non-Metallic PlugTrak is supplied with one **PL1EC** End Cap and "IG" stickers for Isolated Ground applications.*

Boxes

	Catalog Numbers
1-Gang Low Profile	PDB12LP
1-Gang Standard	PDB12S
1-Gang Deep	PDB12D
2-Gang Deep Divided	PDB12TGD
Round Lighting Fixture	PDB12LF

Fittings

	Catalog Numbers
Internal Elbow Base and Cover	PL1IEBC
Internal Elbow Cover Only	PL1IE
External Elbow Base and Cover	PL1EEBC

Fittings

	Catalog Numbers
External Elbow Cover Only	PL1EE
Flat Elbow Base and Cover	PL1FEBC
Flat Elbow Cover Only	PL1FE
Tee Base and Cover	PL1TCBC
Tee Cover Only	PL1TC
Splice Cover	PL1SC
Safety Strap	PL1SS
End Cap	PL1EC
Conduit Adapter/ Ceiling Fitting	PLP1CACF

Non-Metallic Portable PlugTrak®

Catalog Numbers	Amp	Length (ft.)	Cord Length (ft.)	# Duplex Receptacles
PT153112P	15	3	6	3
PT155112P	15	5	6	5
PT203112P	20	3	6	3
PT205112P	20	5	6	5
PL1MC (Mounting Clip)				

Note: Includes on/off switch and circuit breaker.

Non-Metallic Raceway
Office White Plates and Outlets

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1-Gang "KP" Plates

| Duplex **KP8** | Style Line® **KP26** | Single Receptacle (1.41" ID) **KP7** | Single Receptacle (1.60" ID) **KP720** | Toggle **KP1** | Blank **KP14** | Coax (2) **KP212** |

| Jack/ Coax **KP2140** | Jacks (2) **KP2162** | Jacks (3) **KP2163** | KP Module Bezel **KPIMBZOW*** | Panduit Mini-Com® Data Module **KPPANOW** | Ortronics Series II® Data Module **KPORTOW** |

*Note: *Accepts all iSTATION™ Modules located in section P.*

2-Gang "KP" Plates (For use with PT12TGB only)

| 2-Gang Duplex **KP82** | 2-Gang Style Line® **KP262** | 2-Gang Toggle **KP2** | 2-Gang Blank **KP24** |

Keystone "IFP" Plates

1-Gang Plates

| 2–Port **IFP12OW** | 3-Port **IFP13OW** | 4-Port **IFP14OW** | 6-Port **IFP16OW** |

2-Gang Plates

| 2-Gang 6-Port **IFP26OW** | 2-Gang 9-Port **IFP29OW** | 2-Gang 12-Port **IFP212OW** |

Communication Plates and Frames

| Style Line® **IFP126OW** | Duplex **IFP18OW** | Style Line® Keystone 2-Port **ISF2OW** | Style Line® Keystone 3-Port **ISF3OW** | Style Line® Keystone 4-Port **ISF4OW** | Style Line® Keystone 6-Port **ISF6OW** | Duplex Keystone 2-Port **BR106C** | Duplex Keystone 4-Port **Q106O** |

iSTATION™ Frames and Modules

Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. See section P for complete iSTATION™ Module offering.

| 1-Gang Plate Frame **IMF1OW** | 2-Gang Plate Frame **IMF2OW** |

Snap Fit Connector Fittings

Snap Fit connectors to be used with any plate with a standard keystone opening. Not recommended for use with KP plates. For KP applications use **KPIMBZOW** bezel and appropriate iSTATION™ Modules located in section P. Use appropriate iSTATION™ Module for SC fiber adapters. See section P for complete Snap Fit offering.

	Blank (10 Pack)	F-Connector	ST Fiber Connector	BNC Connector	RCA	Super S-Video	SC Duplex Adapter	SC to ST Duplex Adapter
Color								
Office White	**SFB10**	**SFFX**	**SFST**	**SFBOW**	**SFRC110R**	**SFSV110BK**	**FASCMPB6**	**FASTSCEMPB6**

Xcelerator® Keystone Jacks

| Cat. 5e, Office White T568A, T568B, RJ45 **HXJ5EOW** | | Cat. 6, Office White T568A, T568B, RJ45 **HXJ6OW** | | 6 Position USOC, Office White, RJ25 **HXJUOW** | |

Jack Color Options (Replaces **OW** Suffix)

| **AL**=Almond | **GY**=Gray | **BK**=Black | **W**=White | **OR**=Orange | **R**=Red | **Y**=Yellow | **B**=Blue | **GN**=Green | **EI**=Elec Ivory |

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Non-Metallic Surface Raceway
Technical Data and Wire Fill Capacity Chart

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Non–Metallic Raceway Wire Fill Capacities

			Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
			14 AWG	12 AWG	10 AWG	4–Pair	25–Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in.):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series	Channel	Channel Area (sq. in.)	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
PT1	A	0.29	5	8	5	4	1	3	3	2	1	2	4	11	4
PP1	A	0.38	12	11	8	5	1	3	4	3	2	2	5	14	5
PL1	A	1.03	42	34	22	15	3	9	12	8	4	6	15	38	14
PW1	A	0.30	6	10	4	4	0	2	3	2	1	2	4	11	4
PW2	A+B	1.60	41	36	22	23	5	14	18	13	7	10	23	59	22
A B	A	0.81	12	22	12	11	2	7	9	7	3	5	11	30	11
	B	0.79	12	22	10	11	2	7	9	6	3	5	11	29	11
PB2	A+B	5.72	60	36	45	81	17	50	66	47	24	35	81	210	79
A B	A or B	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40
PB3	A+B+C	5.57	60	36	45	79	17	48	64	45	23	34	79	204	77
A B C	A or C	1.80	42	30	28	25	5	16	21	15	7	11	25	66	25
	B	1.97	42	30	28	28	6	17	23	16	8	12	28	72	27
PS3	A+B+C	10.58	72	66	78	150	32	92	122	86	44	64	150	388	147
A B C	A or C	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47
	B	3.76	42	36	42	53	11	33	43	31	16	23	53	138	52

Note: Pathway (Raceway) fill shall be 40% Maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Recommended Plate to Box Compatibility Selection Chart

Non–Metallic Raceway Box Series		PS3 Series				PB3 Series					PB2 Series	PDB12 Series			PT12 & PW1 Series	
Plate Style	Sample Catalog No.	IND	FCIB	FCIB2G	FCIB3G	IND	IND2G	FCIB	FCIB2G	FCIB3G	IND2G	LP, S, D	TGD	TGLV	LP(B), S(BA), D(BA)	TGB
1–Gang KP Series Plate	KP8	X	X	X	X	X	X	X	X	X	X	X	X		X	
1–Gang KP Series Bezel	KPIMBZ	X	X	X	X	X	X	X	X	X	X	X	X		X	
1–Gang Standard Data Plate	IFP12OW		X	X	X	X		X	X	X		X			X	
1–Gang iSTATION™ Plate Frame	IMF1OW		X	X	X	X		X	X	X		X			X	
Style Line® Data Plate	IFP126OW		X	X	X	X		X	X	X		X			X	
Duplex Data Plate	IFP18OW		X	X	X	X		X	X	X		X			X	
2–Gang iSTATION™ Plate Frame	IMF2OW												X			X
2–Gang Standard Data Plate	IFP29OW												X			X
2–Gang KP Series Plate	KP82															X

Note: Hubbell Office White plates and devices color match all non–metallic raceway systems.

Physical Properties
(When tested in accordance with UL 5A)

Impact Resistance	5 ft. lbs.
Crush Resistance	300 lbs.
Temperature Range	-25.6° to 158° F
Flame Rating	UL94V-0
Material	UV Stabilized PVC

Codes/Standards

EIA/TIA	569A
UL Standard	UL 5A
Listings	E118895 / E119190
CSA Standard	C22.2 no. 62
Certified	LR87514

PlugTrak Specifications

Receptacle Rating	NEMA 5-15R & 5-20R
Wire	#12 AWG Stranded
Copper	
Receptacle Face	Thermoplastic

Introduction
Pre-Wired Raceway

Hubbell has been setting the standard in the electrical industry since 1888, through innovations such as Twist-Lock®, Hospital Grade, and AUTOGUARD™ Self Test GFCI receptacles. Again, Hubbell has listened to our customers for new innovation, capacity requirements, and flexibility. We have taken raceway systems to the next level with **Pre-Wired Raceway Systems** that are manufactured to your specifications.

Our Pre-Wired Raceway Systems will accommodate your power and data requirements as your facility changes over time. Pre-Wired Raceways provide you with the benefit of keeping your fast track projects on schedule, and helping complete the job on time! Our Pre-Wired Raceway solutions will save up to 45% of the installation time needed for field installing component raceway parts.

Pre-Wired Raceways are available in:

✓ Steel (Ivory and Gray)

✓ Aluminum

✓ Non-Metallic (Office White)

Quality by Design
All Hubbell Pre-Wired Raceways are UL Listed and CSA Certified. Each raceway receives a 100% quality inspection and testing prior to shipment. Pre-Wired Raceway is now available with the high quality and workmanship you have come to expect from Hubbell.

Labeling and Engraving
Optional labeling is available to identify branch panels and circuits at receptacle locations. Choose from adhesive labels or engraved aluminum plates.

Wire Identification
Wire leads are clearly labeled with corresponding circuit numbers. This aids the installer when terminating to building wiring or connecting from duct to duct. Ample wire is provided at feed locations.

Pre-Wired Raceway
Features and Benefits

UL LISTED CSA CERTIFIED

Save Time & Money, Completing the Job Quicker and On Schedule, with Hubbell…

With Standard Raceway...

Unpack, identify and sort component parts.
Deliver components to work area for assembly and installation.

Measure and cut.
Clean and de-burr sharp edges.
Secure to the wall and fasten.

Pull wire.
Label, and bundle each raceway circuit.
Install receptacles and test.

With Hubbell Pre-Wired Raceway...

Pallet delivered to your worksite, labeled by room, floor area and/or building.

Unpack and install!

Installed in half the time!

Project Support and Documentation

✓ A local and factory support team is there to assist in defining bills of material and project quotes, so costs can be budgeted accordingly.

✓ A project engineer, located at the factory, is assigned to your project as a direct point of contact.

Manufacturing and Testing

✓ Precisely measured, cleanly cut, wired and assembled to your specifications.

✓ The wiring harness is then bundled and labeled for circuit identification for ease of installation.

✓ Assembly is tested for assured continuity and 100% quality inspected before kitting.

Installs In A Snap

✓ Raceway ducts are kitted, labeled, and shipped by room, area or floor locations.

✓ Just remove raceway from the packaging and secure to the wall.

✓ Make power connections, snap on covers, test and you are done!

Options:

Circuit Identification and Labeling:
✓ Adhesive Labeling
✓ Engraving

Wiring Circuits Options:
✓ Insulation Displacement Connectors
✓ Wire Nuts
✓ Wiring Devices

Kit raceway for delivery by:
✓ Room
✓ Floor
✓ Area
✓ Building

Features and Benefits

Pre-Wired Raceway
Aluminum, Steel and Non-Metallic Raceways

UL LISTED **CSA** CERTIFIED

Aluminum Pre-Wired Raceway

HBLALU3800 Series Aluminum Raceway
Description

Aluminum Raceway, Single Channel,
Satin Anodized Finish.

A: 2.25" (57.15)
B: 3.00" (76.20)

HBLALU4800 Series Aluminum Raceway
Description

Aluminum Raceway, Two Channel,
Satin Anodized Finish.

A: 2.25" (57.15)
B: 6.00" (152.40)

HBLALU5000 Series Aluminum Raceway
Description

Aluminum Raceway, Two Channel,
Satin Anodized Finish.

A: 1.75" (44.45)
B: 5.08" (129.03)

HBLALU7620 Series Aluminum Raceway
Description

Aluminum Raceway, Three Channel,
Satin Anodized Finish.

A: 2.25" (57.15)
B: 7.62" (193.55)

Steel Pre-Wired Raceway

HBL3000 Series Metal Raceway
Description

Steel Raceway, Single Channel,
Ivory or Gray Finish.

A: 1.53" (38.86)
B: 2.75" (69.85)

HBL4750 Series Metal Raceway
Description

Steel Raceway, Single or
Two Channel (with Divider),
Ivory or Gray Finish.

A: 1.75" (44.45)
B: 4.75" (120.65)

HBL6750 Series Metal Raceway
Description

Steel Raceway, Single,
Two Channel (with One Divider)
or Three Channel (with Two Dividers),
Ivory or Gray Finish.

A: 2.22" (56.39)
B: 6.75" (171.45)

Non-Metallic Pre-Wired Raceway

PB2 BaseTrak® Series Non-Metallic Raceway
Description

Non-Metallic Raceway,
Two Channel,
Office White Color.

A: 1.63" (41.40)
B: 4.50" (114.30)

PS3 Super BaseTrak® Series Non-Metallic Raceway
Description

Non-Metallic Raceway,
Three Channel,
Office White Color.

A: 1.97" (50.04)
B: 6.70" (170.18)

Pre-Wired Raceway
Technical Data and Wire Fill Capacity Chart

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Pre–Wired Raceway Wire Fill Capacities

Series		Channel Area (sq. in.)	Power (THHN/T90 Nylon) 14 AWG	12 AWG	10 AWG	Voice 4–Pair	25–Pair	Data (Copper Cables) Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	Data (Multimode Fiber Optic Cables) (2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
	Wire O.D. (in):		0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
	Wire Area (sq. in.):		0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
	Wire Fill Capacity		40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
HBL3000	No Barriers	3.70	152	111	70	52	11	32	43	30	15	22	52	136	51
HBL4750	No Barriers	7.20	296	216	136	102	22	63	83	59	30	44	102	264	100
A	B — Divider Centered Ch. A	3.10	127	93	58	44	9	27	36	25	13	19	44	114	43
	Barrier Centered Ch. B	3.30	127	93	58	47	10	29	38	27	14	20	47	121	46
HBL6750	No Barriers	13.77	566	412	259	195	42	120	159	112	57	83	195	505	191
A A A	Barrier Offset 1/3 Ch. A	4.59	189	138	86	65	14	40	53	37	19	28	65	168	64
A B	Barrier Offset 2/3 Ch. B	9.18	379	278	173	130	28	80	106	75	38	56	130	337	128
HBLALU3800	No Barriers	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU4800	Center Barrier/ Both Channels	11.60	428	312	196	164	35	101	134	95	48	70	164	426	161
	Center Barrier/ 1 Channel	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU5000	Center Barrier/ Both Channels	7.60	312	228	142	106	22	64	86	60	30	46	106	278	104
	Center Barrier/ 1 Channel	3.80	156	114	71	53	11	32	43	30	15	23	53	139	52
HBLALU7620	2 Barriers with 3 Equal Channels/Total	15.00	618	450	282	210	45	129	171	120	60	90	210	549	207
	2 Barriers with 3 Equal Channels/ 1 Channel	5.00	206	150	94	70	15	43	57	40	20	30	70	183	69
PB2 A B	Center Barrier/ 1 Channel	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40
PS3 A B C	Channel A or C	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47
	Channel B	3.76	42	36	42	53	11	33	43	31	16	23	53	138	52

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Physical Properties

Material	Steel
	Anodized Aluminum
	*PVC (UV Stabilized)

Codes/Standards

TIA/EIA	596B
UL Standard	UL 5
	*UL 5A
Listings	E253976 / E253830 / E253833
	*E118895 / *E119190 / E80107
CSA Standard	C22.2 no. 62 and 62.1
Certification	LR87514
Flame Rating	*UL94V-0

* Pertains only to non-metallic raceways.

Section P
Network Wiring

Enterprise Grade Commercial Products

Index

Hubbell Enterprise Grade Connectivity is designed for use with:

Raceway Systems
Hubbell's innovative Raceway Systems include a choice of steel, aluminum and non-metallic, single or multi-channel raceways.

Floor Boxes
Hubbell offers a comprehensive line of flush, recessed, and raised floor box options, that accommodate a variety of data, audio, video and power applications.

Poke-Throughs
Hubbell Poke-Throughs include flush, pedestal and furniture feed versions accommodating the industry's broadest range of power, data, audio/video and voice applications.

Voice/Data Jacks

iSTATION™ Surface Mount Boxes

Fiber Products

Patch Panels and Cords

Modular Keystone Jacks
Enterprise Grade Commercial Products

HXJ6B

HXJ6OR

HXJ5EBK

HXJUEI

IP100C

XCELERATOR™ Jacks, Category 6

Supports 10GbE applications to 55 meters, Gigabit Ethernet in the backbone, and network convergence out to the work area with usable bandwidth of 500 MHz in the channel.

Color	Catalog Numbers	Bag of 25 Catalog Numbers
Almond	**HXJ6AL**	**HXJ6AL25**
Black	**HXJ6BK**	**HXJ6BK25**
Blue	**HXJ6B**	**HXJ6B25**
Gray	**HXJ6GY**	**HXJ6GY25**
Green	**HXJ6GN**	**HXJ6GN25**
Ivory	**HXJ6EI**	**HXJ6EI25**
Light Almond	**HXJ6LA**	**HXJ6LA25**
Office White	**HXJ6OW**	**HXJ6OW25**
Orange	**HXJ6OR**	**HXJ6OR25**
Red	**HXJ6R**	**HXJ6R25**
White	**HXJ6W**	**HXJ6W25**
Yellow	**HXJ6Y**	**HXJ6Y25**

XCELERATOR™ Jacks, Category 5e

Supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel.

Color	Catalog Numbers	Bag of 25 Catalog Numbers
Almond	**HXJ5EAL**	**HXJ5EAL25**
Black	**HXJ5EBK**	**HXJ5EBK25**
Blue	**HXJ5EB**	**HXJ5EB25**
Gray	**HXJ5EGY**	**HXJ5EGY25**
Green	**HXJ5EGN**	**HXJ5EGN25**
Ivory	**HXJ5EEI**	**HXJ5EEI25**
Light Almond	**HXJ5ELA**	**HXJ5ELA25**
Office White	**HXJ5EOW**	**HXJ5EOW25**
Orange	**HXJ5EOR**	**HXJ5EOR25**
Red	**HXJ5ER**	**HXJ5ER25**
White	**HXJ5EW**	**HXJ5EW25**
Yellow	**HXJ5EY**	**HXJ5EY25**

XCELERATOR™ Jacks, 6-Position USOC

Color	Catalog Numbers	Bag of 25 Catalog Numbers
Almond	**HXJUAL**	–
Black	**HXJUBK**	–
Blue	**HXJUB**	–
Gray	**HXJUGY**	–
Green	**HXJUGN**	–
Ivory	**HXJUEI**	–
Light Almond	**HXJULA**	–
Office White	**HXJUOW**	**HXJUOW25**
Orange	**HXJUOR**	–
Red	**HXJUR**	–
White	**HXJUW**	–
Yellow	**HXJUY**	–

Jack Icons*

Bag of 100 icons. Snaps to front of enterprise grade XCELERATOR jacks.

Color	Blank	Computer	Telephone
Black	**IBK100**	**IBK100C**	**IBK100T**
Blue	**IB100**	**IB100C**	**IB100T**
Brown	**IBN100**	**IBN100C**	**IBN100T**
Gray	**IGY100**	**IGY100C**	**IGY100T**
Green	**IGN100**	**IGN100C**	**IGN100T**
Ivory	**IEI100**	**IEI100C**	**IEI100T**
Orange	**IOR100**	**IOR100C**	**IOR100T**
Purple	**IP100**	**IP100C**	**IP100T**
Red	**IR100**	**IR100C**	**IR100T**
White	**IW100**	**IW100C**	**IW100T**
Yellow	**IY100**	**IY100C**	**IY100T**

Not UL listed, CSA Certified.

Network Wiring
Audio/Video Keystone Connectors
Enterprise Grade Commercial Products

F-Type Connectors

Distributes high quality video signal to the workstation. Requiring no soldering; these connectors install with a snap and provide quick, easy "screw-on" termination. Compatible with TV, CATV and CCTV, home theater and entertainment systems, satellite, security and surveillance systems, VCR/DVD applications.

Color	F-Type Coupler Bulkhead F/F Catalog Numbers	F-Type Coupler Bulkhead F/F Gold Catalog Numbers	F-Type to RCA Bulkhead F/F Gold Catalog Numbers	F-Type Recessed Catalog Numbers
Almond	SFFALX	SFFGAL	–	SFGRFAL
Black	SFFBX	SFFGBK	SFRFGBK	SFGRFBK
Gray	SFFGX	SFFGGY	SFRFGGY	SFGRFGY
Ivory	SFFEX	SFFGEI	SFRFGEI	SFGRFEI
Light Almond	SFFLAX	SFFGLA	–	–
Office White	SFFX	SFFGOW	SFRFGOW	SFGRFOW
White	SFFWX	SFFGW	SFRFGW	SFGRFW

SFFGGY

SFGRFOW

RCA Connectors

Distributes component and composite audio and video signals from device to device. Typical applications include TV, cable, VCR/DVD, camera, camcorder, projector, home theater, and entertainment centers.

Insulator Color	RCA 110 Punch-Down Black Housing Catalog Numbers	RCA Solder Coupler Termination Office White Housing Catalog Numbers	Additional Housing Color* Catalog Numbers	RCA Recessed* Catalog Numbers
Black	–	SFRC	SFRCBKXX	SFRCBKRXX
Blue	SFRC110B	SFRCBOW	SFRCBXX	SFRCBRXX
Green	SFRC110GN	SFRCGNOW	SFRCGNXX	SFRCGNRXX
Orange	–	SFRCOROW	SFRCORXX	SFRCORRXX
Red	SFRC110R	SFRCR	SFRCRXX	SFRCRRXX
White	SFRC110W	SFRCW	SFRCWXX	SFRCWRXX
Yellow	SFRC110Y	SFRCY	SFRCYXX	SFRCYRXX

*Additional Housing colors: **XX** = "**AL**" = Almond; "**BK**" = Black; "**EI**" = Ivory; "**GY**" = Gray; "**LA**" = Light Almond; "**W**" = White.

SFRC110R

SFRCR

Insulator Color	RCA Gold Pass-through, Office White Housing Catalog Numbers	F/F Coupler Additional Housing Color* Catalog Numbers
Black	SFRCBKFF	SFRCBKFFXX
Blue	SFRCBFFOW	SFRCBFFXX
Green	SFRCGNFFOW	SFRCGNFFXX
Orange	SFRCORFFOW	SFRCORFFXX
Red	SFRCRFF	SFRCRFFXX
White	SFRCWFF	SFRCWFFXX
Yellow	SFRCYFF	SFRCYFFXX

*Additional Housing colors: **XX** = "**AL**" = Almond; "**BK**" = Black; "**EI**" = Ivory; "**GY**" = Gray; "**LA**" = Light Almond; "**W**" = White.

SFRCRROW

S-Video Connectors

Transmits video information over a cable by dividing the signal into two separate signals (chrominance) for color and (luminance) for brightness. Applications include cable, satellite, DVD, camera, camcorder, projector, home theater, entertainment systems, security, and surveillance.

Color	S-Video 110 Punch-Down Catalog Numbers	S-Video F/F Coupler Catalog Numbers
Black	SFSV110BK	SFSVBK

SFRCRFF

SFSV110BK

Audio/Video Keystone Connectors
Enterprise Grade Commercial Products

SFBOW

SFBGOW

SFSPGR

SPPBK10

SF35FFOW

SF35STOW

SFC5EBK

SFC5EW

SF5ECOGY

SFUSBABB

SFUSBAAB

SFB10

SFSBEI10

BNC Connectors

Distributes PRO audio video through coaxial 75 ohm signal to the work area. Applications include TV, CCTV, analog and digital CATV, VCR, HDTV satellite, security and surveillance systems.

Color	BNC Connector Nickel Finish Catalog Numbers	BNC Connector Gold Finish Catalog Numbers
Black	SFBBK	SFBGBK
Gray	SFBGY	SFBGGY
Ivory	SFBEI	SFBGEI
Light Almond	SFBLA	SFBGLA
Office White	SFBOW	SFBGOW
White	SFBW	SFBGW

Gold Speaker Post Connectors and Plugs*

Ring Color	Speaker Post Connector Office White Housing Catalog Numbers	Speaker Post/ Banana Plugs Catalog Numbers
Black	SFSPGBK	SPPBK10
Red	SFSPGR	SPPR10

3.5mm Stereo Jacks*

Distributes stereo or mono audio signals to and from devices. Applications include laptop and desktop computer audio I/O output, PRO audio distribution, projectors, and IR (infrared) signal transmission.

Housing Color	3.5mm F/F Coupler Catalog Numbers	3.5mm Stereo Jack Catalog Numbers	3.5mm Screw Term. Catalog Numbers
Black	SF35FFBK	SF35SJBK	SF35STBK
Gray	SF35FFGY	SF35SJGY	SF35STGY
Ivory	SF35FFEI	SF35SJEI	SF35STEI
Light Almond	SF35FFLA	SF35SJLA	SF35STLA
Office White	SF35FFOW	SF35SJ	SF35STOW
White	SF35FFW	SF35SJW	SF35STW

Inline Couplers*

Use to deliver a quick and easy interconnect solution at the desktop or in the cross connect.

Color	Wiring: T568A/B Catalog Numbers	Crossover Catalog Numbers
Black	SFC5EBK	–
Gray	–	SF5ECOGY
White	SFC5EW	–

USB Connectors

Use to provide a simple and easy way to add a USB connection to a work area.

Color	Format: A-to-B Catalog Numbers	Format: A-to-A Catalog Numbers
Blue	SFUSBABB	SFUSBAAB
Office White	SFUSBABOW	SFUSBAAOW
White	SFUSBABW	SFUSBAAW

Blank Connectors, 10-Pack

Housing Color	Blanks Catalog Numbers	Smooth Blanks Catalog Numbers
Almond	SFBAL10	SFSBAL10
Black	SFBB10	SFSBBK10
Gray	SFBG10	SFSBGY10
Ivory	SFBEI10	SFSBEI10
Light Almond	SFBLA10	SFSBLA10
Office White	SFB10	SFSBOW10
White	SFBW10	SFSBW10

*Not UL listed.

Wiring Device-Kellems www.hubbell-wiring.com *Dimensions in Inches (mm)*

Network Wiring
iSTATION™ Face Plates
Enterprise Grade Commercial Products

IFP Face Plates, with Label Fields, 1- and 2-Gang

Color	1-Gang 1-Port	2-Port	3-Port	4-Port	6-Port	2-Gang 6-Port	9-Port	12-Port
Almond	IFP11AL	IFP12AL	IFP13AL	IFP14AL	IFP16AL	IFP26AL	–	–
Black	IFP11BK	IFP12BK	IFP13BK	IFP14BK	IFP16BK	IFP26BK	IFP29BK	IFP212BK
Gray	IFP11GY	IFP12GY	IFP13GY	IFP14GY	IFP16GY	IFP26GY	IFP29GY	IFP212GY
Ivory	IFP11EI	IFP12EI	IFP13EI	IFP14EI	IFP16EI	IFP26EI	IFP29EI	IFP212EI
Light Almond*	IFP11LA	IFP12LA	IFP13LA	IFP14LA	IFP16LA	IFP26LA	IFP29LA	IFP212LA
Office White	IFP11OW	IFP12OW	IFP13OW	IFP14OW	IFP16OW	IFP26OW	IFP29OW	IFP212OW
White	IFP11W	IFP12W	IFP13W	IFP14W	IFP16W	IFP26W	IFP29W	IFP212W

*Note: *Light Almond plates match Office White non-metallic raceway, boxes, jacks and connectors.*

Stainless Steel Face Plates without Label Fields

	1-Gang 1-Port	2-Port	3-Port	4-Port	6-Port	2-Gang 4-Port	6-Port	9-Port	12-Port
Catalog No.	SSF11	SSF12	SSF13	SSF14	SSF16	SSF204	SSF206	SSF209	SSF212

Stainless Steel Face Plates with Label Fields

1-Gang	Catalog Numbers
1-Port	SSFL11
2-Port	SSFL12
3-Port	SSFL13
4-Port	SSFL14
6-Port	SSFL16

Duplex and Decorator Plates with Label Fields

Color	Duplex Plate	Decorator Plate
Almond	IFP18AL	IFP126AL
Office White	IFP18OW	IFP126OW

Standard Duplex and Decorator Plates with No Label Fields

Color	1-Gang Duplex Plate	1-Gang Decorator Plate	2-Gang Decorator Plate
Almond	NP8AL	NP26AL	NP262AL
Black	NP8BK	NP26BK	NP262BK
Ivory	NP8I	NP26I	NP262I
Gray	NP8GY	NP26GY	NP262GY
Light Almond*	NP8LA	NP26LA	NP262LA
White	NP8W	NP26W	NP262W

*Note: *Light Almond plates match Office White non-metallic raceway, boxes, jacks and connectors.*

630 Wall Phone Plates

Stainless Steel, 1-Gang wall phone plate.

Jack Format	Includes	Catalog Numbers
Flush	6-position USOC gray jack, RJ25	P630S1GJ6
Flush	8-position Cat. 5e, gray jack, RJ45	P630S1GJ8
Recessed	6-position USOC gray jack, RJ25	P630SR1GJ6
Recessed	8-position Cat. 5e, gray jack, RJ45	P630SR1GJ8

P630S1GJ6   P630SR1GJ6

Keystone Opening
Hole size for mounting all Hubbell Jacks.

A: .580" (14.73)
B: .760" (19.30)

Dimensions in Inches (mm)

iSTATION™ Outlet Frames
Enterprise Grade Commercial Products

Decorator Outlet Frames

Color	Unloaded 2-Port	Unloaded 3-Port	Unloaded 4-Port	Unloaded 6-Port
Almond	ISF2AL	ISF3AL	ISF4AL	ISF6AL
Black	ISF2BK	ISF3BK	ISF4BK	ISF6BK
Gray	ISF2GY	ISF3GY	ISF4GY	ISF6GY
Ivory	ISF2EI	ISF3EI	ISF4EI	ISF6EI
Office White	ISF2OW	ISF3OW	ISF4OW	ISF6OW
White	ISF2W	ISF3W	ISF4W	ISF6W

HDMI Products (High Definition Media Interface)

Color	HDMI Decorator Frame 1-Port	2-Port
Almond	NS801AL	NS802AL
Black	NS801BK	NS802BK
Gray	NS801GY	NS802GY
Ivory	NS801I	NS802I
Light Almond	NS801LA	NS802LA
White	NS801W	NS802W

Outlet Frames

Color	Duplex 2-Port	Duplex 4-Port	Decorator (Loaded) 4-Port, T568B	4-Port, T568A
Almond	BR106AL	Q106AL	–	–
Black	BR106B	Q106B	SL5E4B	SL5E4A
Gray	BR106G	Q106G	–	–
Ivory	BR106E	Q106E	–	–
Light Almond*	BR106LA	Q106LA	–	–
Office White	BR106C	Q106O	–	–
White	BR106W	Q106W	–	–

Decorator Frames, 1-Gang

Color	Decorator Frame .406 in. (10.3) hole	Blank
Almond	NS621AL	NS620AL
Ivory	NS621I	NS620I
Light Almond*	NS621LA	NS620LA
White	NS621W	NS620W

*Note: *Light Almond frames match office white non-metallic raceway, boxes, jacks and connectors.*

Secure-IT™ Plates

Secure-IT™ plates protect mated and unmated connections from physical damage and unauthorized tampering. Available in tamper resistant and weatherproof versions.

Tamper-Resistant Plates

Color	1-Gang/4-Port Catalog Numbers
Black	TPF1BK
Gray	TPF1GY
Office White	TPF1OW
White	TPF1W

NEMA 3R Weatherproof Plates

Color	1-Gang/4-Port Catalog Numbers
Gray	TWPF1GY

TPF1W

TWPF1GY

iSTATION™ Audio Visual Modules
Enterprise Grade Commercial Products

HD (High Definition) 15-Pin/9-Pin Connectors and Modules

Blank HD15/9 or HDMI Module	**Blank HD15/9 or HDMI Module**	**Blank HD15/9 or HDMI**
1 Unit, 10-Pack **Catalog Numbers**	1.5 Unit, 1-Pack **Catalog Numbers**	Panel Mount AV, 3.5mm Stereo Jack, 2 Unit, 1-Pack **Catalog Numbers**
IMBDS1XX	**IMBDSA15XX**	**ISFBDSXX**

*Colors: Replace **XX** = "**AL**" = Almond; "**BK**" = Black; "**EI**" = Ivory; "**GY**" = Gray; "**LA**" = Light Almond; "**OW**" = Office White; "**W**" = White.*

HD 9-Pin and HD 15-Pin VGA-style Connectors

HD 9-Pin F/F Coupler*	**HD 9-Pin Screw Term**	**HD 15-Pin F/F Coupler***	**HD 15-Pin Screw Term**
10-Pack **Catalog Numbers**	10-Pack **Catalog Numbers**	10-Pack **Catalog Numbers**	10-Pack **Catalog Numbers**
9GC10	**9ST10**	**15GC10**	**15ST10**

HD 15-Pin to 8-Pin	**HD 15-Pin to 8-Pin**	**HD 15-Pin to 8-Pin**	**HD 15-Pin to 8-Pin**
Angled 45° 1-Pack **Catalog Numbers**	Straight 180° 1-Pack **Catalog Numbers**	Angled 90° 1-Pack **Catalog Numbers**	8.0 Inch Tail 1-Pack **Catalog Numbers**
15A6P1*	**15S6P1***	**15N6P1***	**15T6P1**

Note: *To order 10-Pack quantity, add '0' to end of Catalog Numbers.

Plug-n-Play VGA Horizontal Runs*

	Catalog Numbers
VGA, 8-pin, Non-Plenum, Black	**VGA6XXBK**
VGA, 8-pin, Plenum, Black	**VGA6PXXBK**
VGA, 8-pin, 15-pin F, Non-Plenum, Black	**VG15F6XXBK**
VGA, 8-pin, 15-pin M, Non-Plenum, Black	**VG15M6XXBK**
VGA, 8-pin, 15-pin M, Plenum, Black	**VG15MP6XXBK**

*Note: **XX** = Length; 05, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100.*

HDMI Connectors

HDMI Feed Thru Coupler		**HDMI Feed Thru 4.0 Inch Tail**	
	Catalog Numbers		Catalog Numbers
Single	**HDMIC1**	Single	**HDMIT1**
10-Pack	**HDMIC10**	10-Pack	**HDMIT10**

HDMI Cords

HDMI Device Patch Cords		**Horizontal Cords (Connector to Connector)**		**Link Cords (Connector to Device)**		**Coupler Cords (Coupler to Device)**	
HDMI (24 AWG)	**Catalog Numbers**	HDMI (24 AWG)	**Catalog Numbers**	HDMI (24 AWG)	**Catalog Numbers**	HDMI (24 AWG)	**Catalog Numbers**
3 ft.	**HDPC03BK**	XX ft.	**HDHXXBK**	XX ft.	**HDLXXBK**	XX ft.	**HDCXXBK**
6 ft.	**HDPC06BK**						

*Note: **XX** = Length in feet. '10' = 10 ft., '15' = 15 ft., '20' = 20 ft., '25' = 25 ft., '30' = 30 ft., Black and Non-Plenum only.*

* Not Ul Listed

Dimensions in Inches (mm) www.hubbell-wiring.com **Wiring Device-Kellems**

Network Wiring
iSTATION™ Front-Loading Frames and Modules
Enterprise Grade Commercial Products

Modular Face Plate Frames

Color	1-Gang Catalog Numbers	2-Gang Catalog Numbers
Almond	IMF1AL	IMF2AL
Black	IMF1BK	IMF2BK
Gray	IMF1GY	IMF2GY
Ivory	IMF1EI	IMF2EI
Office White	IMF1OW	IMF2OW
White	IMF1W	IMF2W

Raceway Bezel Frames*

Color	1-Gang Catalog Numbers
Almond	KPIMBZAL
Gray	KPIMBZGY
Office White	MTPIMBZOW

Unloaded Modules

	Keystone 1-Port, Flat 1 Unit	Keystone 2-Port, Flat 1 Unit	Keystone 1-Port, Angled 1.5 Unit	Keystone 2-Port, Angled 1.5 Unit	SC Angled 1 Duplex 1.5 Unit	SC Angled 2 Duplex 2 Unit
Color	Catalog Numbers	Catalog Numbers	Catalog Numbers	Catalog Numbers	Catalog Numbers	Catalog Numbers
Almond	IM1K1AL	IM2K1AL	IM1KA15AL	IM2KA15AL	–	–
Black	IM1K1BK	IM2K1BK	IM1KA15BK	IM2KA15BK	IM1SCA15BK	IM2SCA2BK
Ivory	IM1K1EI	IM2K1EI	IM1KA15EI	IM2KA15EI	IM1SCA15EI	IM2SCA2EI
Gray	IM1K1GY	IM2K1GY	IM1KA15GY	IM2KA15GY	IM1SCA15GY	IM2SCA2GY
Office White	IM1K1OW	IM2K1OW	IM1KA15OW	IM2KA15OW	IM1SCA15OW	IM2SCA2OW
White	IM1K1W	IM2K1W	IM1KA15W	IM2KA15W	IM1SCA15W	IM2SCA2W

	Blank 0.5 Unit	Blank 1 Unit	Blank 1.5 Unit	Keystone Recessed angle 1-Port, 1.5 Unit	Keystone Recessed angle 2-Port, 1.5 Unit
Color	Catalog Numbers	Catalog Numbers	Catalog Numbers	Catalog Numbers	Catalog Numbers
Almond	IMB05AL	IMB1AL	IMB15AL	–	–
Black	IMB05BK	IMB1BK	IMB15BK	IM1IA15BK	IM2IA15BK
Ivory	IMB05EI	IMB1EI	IMB15EI	IM1IA15EI	IM2IA15EI
Gray	IMB05GY	IMB1GY	IMB15GY	IM1IA15GY	IM2IA15GY
Office White	IMB05OW	IMB1OW	IMB15OW	IM1IA15OW	IM2IA15OW
White	IMB05W	IMB1W	IMB15W	IM1IA15W	IM2IA15W

iSTATION™ Audio/Video Modules

XLR, Speakon® and ¼" Modules
Applications include Video distribution, desktop and laptop computers, monitors, cameras, microphones and projectors, home theater and entertainment. Note: Order IMAVB15 Series blank modules with A/V connectors for iSTATION applications.

	AV Blank 1.5 Unit 10-pack	XLR Screw Terminal 10-pack	XLR Solder-Type 10-pack	Speakon® Conn. Solder-Type 10-pack	USB Feed-Thru A-to-B 10-pack	¼" Stereo Jack Solder-Type 10-pack
Color Office White						
Catalog Numbers	IMAVB15OW*	XLRST10	XLR10	SC10	USB10	14S10

*Note: * For other colors, replace "OW" with: "AL" = Almond; "BK" = Black; "EI" = Ivory; "GY" = Gray; "W" = White.*

* Not UI Listed

iSTATION™ Surface Mount Boxes
Enterprise Grade Commercial Products

Specifications

- Low-profile design.
- Accepts XJ jacks, audio video and fiber connectors.
- Provided with double-sided tape and mounting screws for easy installation.
- UL and cUL listed.
- Constructed with a high-impact resistant, flame-retardant polymer.
- ANSI/TIA-606A compliant.

ISM Surface Mount Boxes, 1- and 2-Port

Ideal for open office, compact surface mount environments, and retrofits to support data, voice, and multimedia applications. Can be mounted with supplied surface mounting screws or double-sided adhesive tape.

Color	1-Port Catalog Numbers	2-Port Catalog Numbers
Ivory	ISM1EI	ISM2EI
Office White	ISM1OW	ISM2OW
White	ISM1W	ISM2W

ISM1OW

ISM2OW

ISM Surface Mount Boxes, 4- and 6-Port

Ideal for open office MUTOA cabling, compact surface mount environments, and retrofits to support data, voice, and multimedia applications. Features adjustable furniture latches to provide an additional mounting option to common ANSI/TIA/EIA standard furniture openings, and solutions requiring fiber. Box bases feature fiber storage posts that can store one meter fiber cable after termination.

Color	4-Port Catalog Numbers	6-Port Catalog Numbers
Ivory	ISM4EI	ISM6EI
Office White	ISM4OW	ISM6OW
White	ISM4W	ISM6W

ISM4OW

ISM6OW

ISM Surface Mount Boxes, 12-Port

Ideal for open office MUTOA cabling, large capacity surface mount applications and retrofits to support data, voice, and multimedia installations. Can be mounted with supplied surface mounting screws or double-sided adhesive tape and mounted to NEMA electric boxes or relay racks.

Color	12-Port Catalog Numbers
Ivory	ISM12EI
Office White	ISM12OW
White	ISM12W

ISM12OW

Dimensions in Inches (mm)   www.hubbell-wiring.com   **HUBBELL** **Wiring Device-Kellems**   P-9

iSTATION™ Audio/Video Modules
Enterprise Grade Commercial Products

IMCR1101W

IMSR1101W

IMSV351101W

IMR1101W

IMAR1101W

110 Audio Video Modules

Description	Housing Color	Catalog Numbers
RCA Component, Video to 110 Termination, 1 Unit, 75 ft. max. HD Cat 5, 5e, 6 UTP	Almond	IMCR1101AL
	Black	IMCR1101BK
	Electric Ivory	IMCR1101EI
	Gray	IMCR1101GY
	Office White	IMCR1101OW
	White	IMCR1101W
S-Video, Stereo RCA Audio to 110 Termination, 1 Unit, 100 ft. max. Cat 5, 5e, 6 UTP	Almond	IMSR1101AL
	Black	IMSR1101BK
	Electric Ivory	IMSR1101EI
	Gray	IMSR1101GY
	Office White	IMSR1101OW
	White	IMSR1101W
S-Video, 3.5mm Stereo Jack to 110 Termination, 1 Unit, 100 ft. max. Cat 5, 5e, 6	Black	IMSV351101BK
	Electric Ivory	IMSV351101EI
	Gray	IMSV351101GY
	Office White	IMSV351101OW
	White	IMSV351101W
RCA Composite, Video, Stereo Audio to 110 Termination, 1 Unit, 100 ft. max. Cat 5, 5e, 6	Almond	IMR1101AL
	Black	IMR1101BK
	Electric Ivory	IMR1101EI
	Gray	IMR1101GY
	Office White	IMR1101OW
	White	IMR1101W
Stereo RCA, Audio 110 Termination, 1 Unit, 100 ft. max. Cat 5, 5e, 6	Almond	IMAR1101AL
	Black	IMAR1101BK
	Electric Ivory	IMAR1101EI
	Gray	IMAR1101GY
	Office White	IMAR1101OW
	White	IMAR1101W

HUBBELL ® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Network Wiring
iSTATION™ Audio/Video Modules
Enterprise Grade Commercial Products

110 Audio Video Modules

Description	Housing Color	Catalog Numbers
RCA Component Video,*	Almond	**IMCRS15AL**
Audio 110 Termination,	Black	**IMCRS15BK**
1.5 Unit	Electric Ivory	**IMCRS15EI**
	Gray	**IMCRS15GY**
	Office White	**IMCRS15OW**
	White	**IMCRS15W**
RCA Component*	Almond	**IMCRS1AL**
Video, Solder,	Black	**IMCRS1BK**
1 Unit	Electric Ivory	**IMCRS1EI**
	Gray	**IMCRS1GY**
	Office White	**IMCRS1OW**
	White	**IMCRS1W**
RCA Composite, Video	Almond	**IM3RS1AL**
Audio, Solder,	Black	**IM3RS1BK**
1 Unit	Electric Ivory	**IM3RS1EI**
	Gray	**IM3RS1GY**
	Office White	**IM3RS1OW**
	White	**IM3RS1W**
RCA Composite, Video,	Almond	**IMRSJ1AL**
3.5mm Stereo Jack, Solder,	Black	**IMRSJ1BK**
1 Unit	Electric Ivory	**IMRSJ1EI**
	Gray	**IMRSJ1GY**
	Office White	**IMRSJ1OW**
	White	**IMRSJ1W**

IMCRS15OW

IMCRS1OW

IM3RS1OW

IMRSJ1OW

Gold Feed-Through Audio Video RCA Couplers

Description	Housing Color	Catalog Numbers
RCA Component*	Almond	**IMCRF1AL**
Video, Gold, Pass-Through,	Black	**IMCRF1BK**
F/F Coupler,	Electric Ivory	**IMCRF1EI**
1 Unit	Gray	**IMCRF1GY**
	Office White	**IMCRF1OW**
	White	**IMCRF1W**
RCA Composite, Video	Almond	**IM3RF1AL**
Audio, Gold,	Black	**IM3RF1BK**
Pass-Through, F/F Coupler,	Electric Ivory	**IM3RF1EI**
1 Unit	Gray	**IM3RF1GY**
	Office White	**IM3RF1OW**
	White	**IM3RF1W**

IMCRF1OW

IM3RF1OW

Gold Speaker Posts and Banana Plugs

Description	Housing Color	Catalog Numbers
Speaker Post,	Almond	**IMSP1AL**
Gold, Black and Red,	Black	**IMSP1BK**
Screw Termination	Electric Ivory	**IMSP1EI**
	Gray	**IMSP1GY**
	Office White	**IMSP1OW**
	White	**IMSP1W**
Speaker Banana Plugs,*	Black	**SPPBK10**
Gold, Screw Termination, 10-Packs	Red	**SPPR10**

* Not UL Listed

IMSP1OW

SPPBK10

SPPR10

Fiber Keystone Adapters
Enterprise Grade Commercial Products

SFLC

LC Duplex Keystone Adapter

Description	Color	Catalog Numbers
Delivery: Sold in packages of 25 pieces.	Black	SFLCBK
	Ivory	SFLCEI
	Gray	SFLCG
	Office White	SFLC
	Telco Ivory	SFLCI
	White	SFLCW

SFFLC

LC Duplex Flush Mount Keystone Adapter

Description	Color	Catalog Numbers
Delivery: Sold in packages of 25 pieces.	Black	SFFLCBK
	Ivory	SFFLCEI
	Gray	SFFLCG
	Office White	SFFLC
	Telco Ivory	SFFLCI
	White	SFFLCW

SFSC

SC Simplex Keystone Adapter

Description	Color	Catalog Numbers
Delivery: Sold in packages of 25 pieces.	Gray	SFSCG
	Office White	SFSC
	Telco Ivory	SFSCI
	White	SFSCW

SFFSC

SC Simplex Flush Mount Keystone Adapter

Description	Color	Catalog Numbers
Delivery: Sold in packages of 25 pieces.	Black	SFFSCBK
	Ivory	SFFSCEI
	Gray	SFFSCG
	Office White	SFFSC
	Telco Ivory	SFFSCI
	White	SFFSCW

SFST

ST-style Keystone Adapter

Description	Color	Catalog Numbers
Delivery: Sold in packages of 25 pieces.	Black	SFSTBK
	Ivory	SFSTEI
	Gray	SFSTG
	Office White	SFST
	Telco Ivory	SFSTI
	White	SFSTW

SFSCST

ST-style to SC Simplex Keystone Adapter

Description	Color	Catalog Numbers
Delivery: Sold in packages of 25 pieces.	Gray	SFSCSTG
	Office White	SFSCST
	Telco Ivory	SFSCSTI
	White	SFSCSTW

Wiring Device-Kellems www.hubbell-wiring.com *Dimensions in Inches (mm)*

Network Wiring
Fiber Adapters
Enterprise Grade Commercial Products

ST-style Adapter

Description	Finish	Catalog Numbers
Recommended Double D cut-out: Diameter = 0.38 in. (9.68mm). Delivery: Package of 12 includes adapter with phosphor bronze alignment sleeve, nuts, and washers.	Black Oxide	**FASTMPB12**

FASTMPB12

LC Duplex Adapter

Description	Screw Mount	Snap Mount	Catalog Numbers
SC Simplex style outer housing. Recommended cut-out: 0.525 in. x 0.390 in. Delivery: Package of 6.	–	Blue	**FALCMPB6**

FALCMPB6

SC Duplex Adapter

Description	Screw Mount	Snap Mount	Catalog Numbers
Recommended cut-out: 1.024 in. x 0.375 in.	Blue	–	**FASCMPB6**
Delivery: Package of 6 includes SC duplex	Green	–	**FASCMPBG6**
adapter, with phosphor bronze sleeves	Red	–	**FASCMPBR6**
and mounting screws.	–	Blue	**FASCEMPB6**

FASCMPB6

FASCEMPB6

SC Simplex Adapter

Description	Screw Mount	Snap Mount	Catalog Numbers
Recommended cut-out: 0.525 in. x 0.390 in. Delivery: Package of 12 includes adapters with phosphor bronze sleeves.	–	Blue	**FASCSMPB12**

FASCSMPB12

LC Quad Adapter

Description	Screw Mount	Snap Mount	Catalog Numbers
SC Duplex style outer housing. Recommended cut-out: 1.024 in. x 0.375 in. Delivery: Package of 6.	Blue	–	**FAQLCMPB6**

FAQLCMPB6

SC to ST-style Duplex Adapter

Description	Screw Mount	Snap Mount	Catalog Numbers
Recommended SC Duplex cut-out:	Blue	–	**FASTSCMPB6**
1.024 in. x 0.375 in. Delivery: Package of 6 includes adapters with phosphor bronze sleeves.	–	Blue	**FASTSCEMPB6**

FASTSCMPB6

FASTSCEMPB6

SC to ST-style Simplex Adapter

Description	Screw Mount	Snap Mount	Catalog Numbers
Recommended SC Simplex cut-out: 0.525 in. x 0.390 in. Delivery: Package of 12 includes adapters with phosphor bronze alignment sleeves and nuts.	–	Blue	**FASCSTSEMPB12**

FASCSTSEMPB12

Network Wiring
Universal Patch Panels
Enterprise Grade Commercial Products

Consolidation Point Block, Category 6 and Category 5e

Description	Catalog Numbers
Category 6, 12-Port, Universal, 89D	**P612U**
Category 5e, 12-Port, Universal, 89D	**P5E12U**

P5E12U

Universal Patch Panel, Category 5e

Description	Catalog Numbers
24-Port, 1.75" H	**P5E24UE**
48-Port, 3.50" H	**P5E48UE**
96-Port, 7.0" H	**P5E96UE**

P5E24UE

Universal Patch Panel, Category 6

Description	Catalog Numbers
24-Port, 1.75" H	**P6E24U**
48-Port, 3.50" H	**P6E48U**
96-Port, 7.0" H	**P6E96U**

P6E48U

Keystone Jack Panel, Unloaded*

Description	Catalog Numbers
Wall Mount, 12-Port, Black	**UDX1289**
Rack Mount, 24-Port, 1.75" H, Black	**UDX24E**
Rack Mount, 48-Port, 3.5" H, Black	**UDX48E**

UDX24E

Rear Cable Management Bar*

Description	Catalog Numbers
Screws to the rear flange of a 19-inch rack	**CMBR**

CMBR

* Not UI Listed

HUBBELL Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Network Wiring
Patch Cords and Modular Plugs
Enterprise Grade Commercial Products

Patch Cords, Universal, Category 6 and Category 5e

Description	Color	1-Foot	3-Foot	5-Foot	10-Foot	15-Foot	20-Foot	25-Foot
Patch Cord, Cat. 5e	Blue	SC5EB01	SC5EB03	SC5EB05	SC5EB10	SC5EB15	SC5EB20	SC5EB25
	Gray	SC5EGY01	SC5EGY03	SC5EGY05	SC5EGY10	SC5EGY15	SC5EGY20	SC5EGY25
	Red	SC5ER01	SC5ER03	SC5ER05	SC5ER10	SC5ER15	SC5ER20	SC5ER25
	Yellow	SC5EY01	SC5EY03	SC5EY05	SC5EY10	SC5EY15	SC5EY20	SC5EY25
Patch Cord, Cat. 6	Blue	SC6B01	SC6B03	SC6B05	SC6B10	SC6B15	SC6B20	SC6B25
	Gray	SC6GY01	SC6GY03	SC6GY05	SC6GY10	SC6GY15	SC6GY20	SC6GY25
	Red	SC6R01	SC6R03	SC6R05	SC6R10	SC6R15	SC6R20	SC6R25
	Yellow	SC6Y01	SC6Y03	SC6Y05	SC6Y10	SC6Y15	SC6Y20	SC6Y25

SC5EB01

SC6GY01

Modular Plugs

Specifications

Snap-On Plugs
- UL Listed File #E129878.
- cUL Certified File #LR80837.
- All plug contacts 50 micro-inch Gold-plated.
- IDC wire contacts.
- Plastic: 94V-0 rated.
- For voice applications.
- For solid cable.

Modular Plugs
- UL Listed File #E129878.
- All plug contacts 50 micro-inch Gold-plated.
- UL 94V-0 rated.
- Terminates solid and stranded conductors.

Snap-On Modular Plug

Description	AWG	Catalog Numbers
Snap-on, 8-position modular plug	24 to 26	BRFTP4P

BRFTP4P

Network Wiring
Fiber Adapter Panels
Enterprise Grade Commercial Products

SC Adapter Panels

SC Simplex or Duplex – Loaded.

# Fibers	# Adapters	Type	Color	Version	Catalog Numbers
6	6	SC Simplex	Blue	Standard	**FSPSC6**
6	3	SC Duplex	Blue	Standard	**FSPSCD3**
6	3	SC Duplex	Orange	Standard	**FSPSCDO3**
6	3	SC Duplex	Yellow	Standard	**FSPSCDY3**
6	3	SC Duplex	Beige	Standard	**FSPSCDBE3**
12	6	SC Duplex	Beige	High-Density	**FSPSCDBE6**
12	6	SC to ST Duplex	Blue	High-Density	**FSPSCST6**

FSPSC6   **FSPSCDO3**

ST-style Adapter Panels

ST-style – Loaded.

# Fibers	# Adapters	Type	Version	Catalog Numbers
6	6	ST-style	Standard	**FSPST6**

SC to ST-style Duplex – Loaded.
Field installable snap-in adapters can be inserted in either direction.

# Fibers	# Adapters	Type	Version	Catalog Numbers
6	3	SC to ST-style	Standard	**FSPSCST3**

FSPST6   **FSPSCST3**

LC Adapter Panels

LC Duplex or Quad – Loaded.

# Fibers	# Adapters	Type	Adapter Color	Version	Catalog Numbers
12	6	LC Duplex	Blue	Standard	**FSPLC6**
12	3	LC Quad	Blue	Standard	**FSPLCQ3**
24	6	LC Quad	Blue	High-Density	**FSPLCQ6**
24	6	LC Quad	Orange	High-Density	**FSPLCQO6**
24	6	LC Quad	Yellow	High-Density	**FSPLCQY6**
12	6	LC Duplex	Orange	Standard	**FSPLCO6**
12	6	LC Duplex	Yellow	Standard	**FSPLCY6**
12	3	LC Quad	Orange	Standard	**FSPLCQO3**
12	3	LC Quad	Yellow	Standard	**FSPLCQY3**

FSPLC6   **FSPLCQ3**

HXJ Jack/Keystone Adapter Panels

JACK-PACK® Adapter Panels (U.S. Patent Number 6273752)
Accepts multimedia connections including Hubbell XCELERATOR™ jacks and OptiChannel™ keystone adapters.

Capacity	Accepts	Version	Catalog Numbers
4	HXJ Jacks, Keystone adapters	Standard	**FSPHD4X**
6	HXJ Jacks, Keystone adapters	Standard	**FSPHD6X**

FSPHD4X

Network Wiring
Fiber Enclosures and Panels
Enterprise Grade Commercial Products

FCW Wall Mount Cabinets, Double-Door

Accepts	Height	Width	Depth	Catalog Numbers
4 FSP series adapter panels	12.0" (305)	14.0" (356)	3.25" (83)	**FCW4SP**
12 FSP series adapter panels	16.0" (406)	14.0" (356)	6.50" (165)	**FCW12SP**

*Note: Supplied with Lock Kit **FLOCK1** only on technician side.*

Lock Kit
Description	Catalog Numbers
Keyed the same as the FCW technician side	**FLOCK1**
Keyed differently than the FCW technician side	**FLOCK2**

FCW12SP

FTU Wall Mount Cabinets, Single-Door

Accepts	Height	Width	Depth	Catalog Numbers
2 FSP series adapter panels	8.5" (216)	10.6" (269)	2.5" (64)	**FTU2SP**
4 FSP series adapter panels	11.0" (279)	13.6" (345)	2.5" (64)	**FTU4SP**

*Note: Can use either Lock Kit catalog numbers **FLOCK1** or **FLOCK2** — order separately.*

FTU4SP

FPR – Hinged Rack Mount Panels for FSP Adapter Panels

Capacity	Format	Catalog Numbers
3	FSP series adapter panels* (not included)	**FPR3SP**

*Note: *For FSP adapter panels, see page P-16.*

Cable Management Bracket
Description	Catalog Numbers
Protective bracket/cable management bar	**FPRBRKT1**

FPR3SP

2CLICK™ Pre-Polished Connectors (Non-Adhesive)

LC Connectors	Catalog Numbers
Multimode, 50µm, 10G, 10-Pack, Aqua housing	**FCLC50GM10**
Multimode, 50µm, 10-Pack, Black housing	**FCLC50M10**
Multimode, 62.5µm, 10-Pack, Beige housing	**FCLC62M10**
Singlemode, 10-Pack, Blue housing	**FCLCSM10**

SC Connectors	Catalog Numbers
Multimode, 50µm, 10G, 10-Pack, Aqua housing	**FCSC50GM10**
Multimode, 50µm, 10-Pack, Black housing	**FCSC50M10**
Multimode, 62.5µm, 10-Pack, Beige housing	**FCSC62M10**
Singlemode, 10-Pack, Blue housing	**FCSCSM10**

Delivery: One bag of 10 connectors each individually bagged. Each bag includes black boot, connector, dust cap and termination clip.

FCLC50GM10

Wall Mounted Enclosures
Enterprise Grade Commercial Products

RE-BOX® Wall Mount Enclosures

Pre-Configured Version
Delivery: 1 base/rear section with welded 19-inch brackets for 2 hubs, 1 front door with 2 locks (NSQ tool), 1 set 19-inch extension brackets for 2 additional hubs (RE4xx only), 1 set 19-inch bottom hinge brackets for patch panels.

Switch Capacity	Max. Hub Depth	Height	Width	Depth	Color	Catalog Numbers
2U	14.0" (356)	32.0" (818)	24.2" (615)	7.0" (178)	Light gray	RE2
2U	14.0" (356)	32.0" (818)	24.2" (615)	7.0" (178)	Black	RE2B
5U	14.0" (356)	32.0" (818)	24.2" (615)	10.0" (254)	Light gray	RE4
5U	14.0" (356)	32.0" (818)	24.2" (615)	10.0" (254)	Black	RE4B
5U	22.0" (559)	42.0" (1067)	24.2" (615)	10.0" (254)	Light gray	RE4X
5U	22.0" (559)	42.0" (1067)	24.2" (615)	10.0" (254)	Black	RE4XB

User-Configurable Version
Delivery: 1 base/rear section and 1 front door with 2 locks (NSQ tool) (IDF24 has only 1 lock).

RWU	Height	Width	Depth	Color	Catalog Numbers
2U	24.0" (600)	24.2" (615)	7.0" (178)	Light Gray	IDF24L*
2U	24.0" (600)	24.2" (615)	10.0" (254)	Light Gray	IDF24
4U	32.0" (813)	24.2" (615)	10.0" (254)	Light Gray	IDF32
6U	42.0" (1067)	24.2" (615)	10.0" (254)	Light Gray	IDF42

Note: IDF24L and IDF24 do not use the same base section, knock-out patterns are different.
*Front door includes Cat60 key locks.

RE4B

REKF

REKFF

REKSJ20

REKR24

REKH

RE-BOX® Wall Mount Enclosure Accessories

Description		Size	Catalog Numbers
Door Conversion Kit (RE2 to RE4), Light Gray		–	REKU
Door Conversion Kit (RE2 to RE4), Black		–	REKUB
Fan Kit, 57CFM (Order 1 per RE2; 2 per RE4, RE4X, IDF)		–	REKF
Fan Plate, Blank		4.0" fan	H1KB
Fan		125V/7A	REKEF
Fan Filter Kit		–	REKFF
Filler Panel		3.5"H	MCCBP350
Joining Kits	Top-to-bottom		REKTJ
	Side-by-side (IDF24, IDF24L)		REKSJ20
	Side-by-side (RE2, RE4, IDF32)		REKSJ30
	Side-by-side (RE4X, IDF42)		REKSJ40
Padlock Hasp Kit		–	REKH
For mounting NSO modules (see section V, page V-65 to V-66)		–	REKHS
Recessed Mounting Kit		24.0"	REKR24
		32.0"	REKR32
		42.0"	REKR42
Reverse Hinge Kit		–	REKI
Sound Dampening Kit		–	REKS

Note: For more accessories, see page P-19.

REKHS

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Network Wiring
Wall Mounted Enclosures
Enterprise Grade Commercial Products

QUADCAB® Wall Mount Enclosure

Cabinet Depth	Door Style	Color*	Catalog Numbers
20.0"	Window	Black	**HSQXX**
26.0"	Window	Black	**HSQXX26**
36.0"	Window	Black	**HSQXX36**
20.0"	Solid	Black	**HSQXXS**
26.0"	Solid	Black	**HSQXXS26**
36.0"	Solid	Black	**HSQXXS36**

XX = Height in inches. '24' = 24"/12 Rack Units; '36' = 36"/19 Rack Units; '48' = 48"/26 Rack Units
*For Office White, add "**W**" to the end of the catalog numbers.
Delivery: 1 rear section (arrives disassembled, facilitating installation), 1 front door. 2 19-inch mounting angles, 1 center section with 2 CH751 locks, 2 top/bottom cover plates, 2 hinge pins, and 2 security cotter pins.

HSQ2626

RE-BOX® and QUADCAB® Wall Mount Enclosure Accessories

Description		Size	Catalog Numbers
¾ Inch Plywood Backboard		20.0" x 19.0"	**REKBB20**
		30.0" x 19.0"	**REKBB30**
		40.0" x 19.0"	**REKBB40**
110/66 Block Mounting Rails		–	**REK110**
DIN Rail Utility Box		–	**DRUBTVSS15**
DIN Rail Communications Kit		–	**HIDRUBCKIT**
Equipment Mounting Bracket		8.75"	**REKZ**
		5.25"	**REKZL**
Fiber Optic Bracket		–	**REKFP**
Filler Panel		3.5"H	**MCCBP350**
Gasket Kit - Padded grommet		30'	**HWKGT**
Gasket Kit - Adhesive Backed Foam		10'	**REKG**
Ground Kit		–	**REKGB**
Ground Strap Kit, Economy		–	**REKEGS**
Lock Kits	CH751		**CKL751**
	333		**CKL333**
	Bellcore 716		**CKL716**
	Cat60		**CKLCAT60**
	Cat70		**CKLCAT70**
Patch Panel Mounting Bracket		7.0"	**REK19**
		3.5"	**REK19L**
Power Kit, 20A		–	**REKP**
Super Base Trak Adapter		–	**REKMT10**
Thermostat		–	**CTK**

REKZ

REKFP   **HIDRUBCKIT**

REKP

REKGB

REKMT10

CTK

Cable Management Racks
Enterprise Grade Commercial Products

Equipment Racks

Rack Height	Rack Units	Mounting Width	Finish*	Catalog Numbers
48.0" (1219)	24	19.0" (483)	Black	**HPW48RR19**
48.0" (1219)	24	23.0" (584)	Black	**HPW48RR23**
68.5" (1676)	36	19.0" (483)	Black	**HPW66RR19**
84.0" (2134)	45	19.0" (483)	Black	**HPW84RR19**
84.0" (2134)	45	23.0" (584)	Black	**HPW84RR23**
89.7" (2286)	48	19.0" (483)	Black	**HPW90RR19**
89.7" (2286)	48	23.0" (584)	Black	**HPW90RR23**
96.0" (2438)	51	19.0" (483)	Black	**HPW96RR19**
96.0" (2438)	51	23.0" (584)	Black	**HPW96RR23**

Notes: Shipped unassembled.
For aluminum mill finish rack, add "ML**" to end of Catalog Numbers.*

HPW84RR19 **HPW84RR19ML**

19-Inch Equipment Racks with 6-Inch Wide 'Z' Channels

Rack Height	Rack Units	Finish	Cover Style	Catalog Numbers
7.0' (2134)	45	Black	Hinged	**CS1976H**
7.0' (2134)	45	Black	Clip on	**CS1976**
7.0' (2134)	45	Aluminum	Clip on	**CS1976A**

Delivery: 1 Rack, 7'H (HPW84RR19); 2 Vertical Organizers (VS76/VS76A – see P-21).

19-Inch Equipment Racks with 3.25-Inch Wide 'C' Channels

Rack Height	Rack Units	Finish	Cover Style	Catalog Numbers
7.0' (2134)	45	Black	Hinged	**CS1973H**
7.0' (2134)	45	Black	Clip on	**CS1973**
7.0' (2134)	45	Aluminum	Clip on	**CS1973A**

Delivery: 1 Rack, 7'H (HPW84RR19); 2 Vertical Organizers (VS73/VS73A – see P-21);
4 Covers (VCC3/VCC3A).

Network Wiring
Cable Management Racks
Enterprise Grade Commercial Products

Vertical Channels for 7-Foot Rack

Hinged Cover Color	Rack Height	6"W Catalog Numbers	3.25"W Catalog Numbers
Black	7' (2134)	**VS76H**	**VS73H**

6-Inch Z Channel with Cover	Rack Height	Black Catalog Numbers	Aluminum Catalog Numbers
	7' (2134) or 7.5' (2286)	**VS76**	**VS76A**
	8' (2438)	**VS86**	**VS86A**

¾-Inch C Channel	Rack Height	Black Catalog Numbers	Aluminum Catalog Numbers
	7' (2134)	**VS73**	**VS73A**

VS76H

Metal Organizers, 19-Inch Wide

Rack Units	Panel Height	Front Ring Depth	Rear Ring Depth	Catalog Numbers
1U	1.75"	3.5"	6.0"	**HC119GC36**[1]
1U	1.75"	3.5"	–	**HC119MS3N**
2U	3.5"	3.5"	–	**HC219CE3N**
2U	3.5"	6.0"	–	**HC219CE6N**
2U	3.5"	3.5"	4.6"	**HC219CC3N**
2U	3.5"	3.5"	–	**HC219MS3N**
3U	5.25"	6.0"	–	**HC319CE6N**

Note: [1]Includes rear wire frame and rear cover—no pass-through holes.

HC219CC3N

Plastic Finger Duct Organizers

Rack Units	Panel Height	Front Duct Depth	Rear Duct Depth	Catalog Numbers
2U	3.5"	3.0"	5.0"	**HC219CC3P**
2U	3.5"	3.0"	–	**HC219CE3P**
1U	1.75"	3.0"	5.0"	**HC119CC3P**
1U	1.75"	3.0"	–	**HC119CE3P**

HC119CC3P

Power Strips
Enterprise Grade Commercial Products

HPWPWR

MCCPSS19TS

Power Strips, 19-Inch Rack Mount

All units utilize 1U of rack space and include circuit breakers (except PR10720). 15A units feature 10-foot cable with NEMA 5-15P plug; 20A units feature 10-foot cable with NEMA 5-20P plug. Delivery: 1 strip, 1 kit mounting hardware.

Electrical Specification	Receptacle Type	Outlets Front	Outlets Rear	Mounting Style	Surge Protected	Transformer Spaced	Switch	Current Monitor	Catalog Numbers
15A/120V	NEMA 5-15R	0	10	Flush	No	No	Yes	No	**HPWPWR**
15A/120V	NEMA 5-15R	0	10	Flush	Yes*	No	Yes	No	**MCCPSS19**
15A/120V	NEMA 5-15R	4	4	Recess	Yes*	Yes	No	No	**MCCPSS19TS**
20A/120V	NEMA 5-20R	0	10	Flush	No	No	No	No	**PR10120**
20/16A, 120/250V	IEC 320-C13	10	0	Flush	No	No	Yes	No	**PR10720** **
15A/120V	NEMA 5-15R	0	6	Flush	No	No	No	No	**PR0615**
20A/120V	NEMA 5-20R	0	10	Flush	No	No	Yes	Yes	**PR1020**
60A/250V	IEC 320-C19	0	3	Adjustable	No	N/A	CB/Switch	No	**PR0360** ***

*Notes: *Joule rating = 720J.*
**PR10720 includes an IEC 320 (C-20) inlet for power input. Vertical mount brackets are also included.
***PR0360 features 10' cable with IEC 60A 2P/3W plug.

Power Strips, Vertical Mount

All units include circuit breakers and full length mounting bracket. All units feature 10-foot cable (except **PR208201**). Delivery: 1 strip, 1 kit mounting hardware, universal mounting brackets.

Electrical Specification	Receptacle Type	Outlets Front	Type	Plug Circuits	Number of Protected	Surge Switch	Current Monitor	Catalog Numbers
15A/120V	NEMA 5-15R	10	NEMA 5-15P	1	No	No	No	**PR104**
20A/120V	NEMA 5-20R	10	NEMA 5-20P	1	No	No	No	**PR10420**
15A/120V	NEMA 5-15R	20	NEMA 5-15P	1	No	No	No	**PR206**
20A/120V	NEMA 5-20R	20	NEMA 5-20P	1	No	No	No	**PR20620**
20A/120V	NEMA 5-20R	20	NEMA 5-20P	1	No	Yes	Yes	**PR20820DRTL**
30A/120V	NEMA 5-20R	20	NEMA L5-30P	1	No	No	No	**PR20830**
20/16A/circuit 120V	NEMA 5-20R	20	NEMA 5-20P	2	No	No	No	**PR20820A** *
20/16A-120/250V	IEC 320C-13	20	IEC 320 C20	1	No	No	No	**PR20820I** **
30/24A-250V	IEC 320C-13	24	NEMA L6-30P	1	No	No	No	**PR24**

*Notes: *PR20820A features (2) 20A circuits each fed by 10-foot cable with NEMA 5-20 plug.*
**PR20820I includes an IEC 320 (C-20) inlet for power input.

PR20620

Mounting Brackets for Power Strips

Power Strip Style	Description	Catalog Numbers
19" Rack Mount	Adjustable mounting brackets; allows numerous recess or flush mount options.	**PRAMB**
19" Rack Mount	Panel mount brackets; ideal for zero 'U' mounting applications by effectively allowing the unit to be hung from a cross beam or flat surface.	**PRPMB**
Vertical Mount	'L' brackets – turned 'in', these are ideal for rack/rail mounting. Turned 'out' they extend your mounting options an additional 8 inches.	**PRSLB4**
Vertical Mount	Provides left, right, front or back rail mounting. May be installed in conjunction with other equipment mounted in the same 'U' space.	**PREZB**

PRAMB

PRSLB4

Mounting Brackets Options

Type	Catalog Numbers	Integral Fixed Brackets	Pre-Assembled Brackets Included	Optional Brackets Available	Type	Catalog Numbers	Integral Fixed Brackets	Pre-Assembled Brackets Included	Optional Brackets Available
19" Rack Mount	HPWPWR MCCPSS19 PR10120 PR0615 PR1020	Flush Mount	N/A	N/A	Vertical Mount	PR104 PR10420 PR206 PR20620 PR20820A PR20820I PR20820DRTL PR24 PR20830	N/A	Full Length	**PRSLB4** **PREZB**
	MCCPSS19TS	N/A	Recess Mount	**PRAMB** **PRPMB**					
	PR10720	N/A	Flush Mount and **PRSLB4**	**PREZB**					
	PR0360	N/A	**PRAMB**	**PRPMB**					

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Network Wiring
Ladder Racks
Enterprise Grade Commercial Products

- Modular system — easily configured for new and existing cable routing.
- Mounts to floors, walls, ceilings, equipment racks, and cabinets.
- Tip: Secure Ladder to Cabinet tops using J-bolt kit and drilling holes as required.
- Material: 16-guage tubular steel.
- Durable powder coat finish.
- Stringer dimensions: 0.375" W x 1.5" H (9.5 x 38.1).
- Rung spacing: 9.0".

Ladder Rack

Straight Section

Width	Catalog No. Black 6' (1829) Length	Catalog No. Gray 6' (1829) Length	Catalog No. Black 10' (3048) Length	Catalog No. Gray 10' (3048) Length
6.0" (152)	HLS0606B	HLS0606G	HLS1006B	HLS1006G
12.0" (305)	HLS0612B	HLS0612G	HLS1012B	HLS1012G
18.0" (457)	HLS0618B	HLS0618G	HLS1018B	HLS1018G
24.0" (610)	HLS0624B	HLS0624G	HLS1024B	HLS1024G

Notes: Please order straight sections in multiples of 10 pieces.
Width = outside to outside dimensions.

90° Turns

Color: Black Width	Inside Radius 90° Catalog Numbers	Flat Turns 90° Catalog Numbers	Outside Radius 90° Catalog Numbers
6.0" (152)	HLI0690X	HLF0690X	HLO0690X
12.0" (305)	HLI1290X	HLF1290X	HLO1290X
18.0" (457)	HLI1890X	HLF1890X	HLO1890X
24.0" (610)	HLI2490X	HLF2490X	HLO2490X

Note: X = Color: "B" = Black; "G" = Gray.

Ladder Rack Accessories

Description		Catalog Numbers
Butt Splice Kit		HLBSK
Cable Radius Drop	6.0" (152) (can also be mounted on stringer)	HLCD06
	12.0" (305)	HLCD12
	18.0" (457)	HLCD18
	Stringer	HLCDS
Cable Retaining Fence Posts	6.0" (8.3" actual height)	HLP06X
	8.0" (10.4" actual height)	HLP08X
	10.0" (12.4" actual height)	HLP10X
Ceiling Mounting Kit		HLCMK
Brackets only		HLCF
Foot Kit		HLRF
J-Bolt Kit		HLJB
Protective End Caps (Qty. = 2)		HLECPK2
Relay Rack Mounting Kit, 5.4"D		HLMPK19
Swivel Splice Kit		HLSSK
T-Junction Splice Kit		HLTK
Triangle Wall Support	6.0" (152)	HLTSB06X
	12.0" (305)	HLTSB12X
	18.0" (457)	HLTSB18X
	24.0" (610)	HLTSB24X
Vertical Wall Bracket		HLVWBK
Wall Angle Support	6.0" to 12.0" (152 to 305)	HLX0612
	18.0" (457)	HLX1518
	24.0" (610)	HLX24
Wall/Rack Mounting Kit		HLWRK

Note: X = Color: "B" = Black; "G" = Gray.

HLO1290B

HLF0690B

HLI1290B

HLS1006B

HLCD06   HLTSB06G

HLCF

HLMPK19

HLTK   HLVWBK

Tools and Accessories
Enterprise Grade Commercial Products

TX4P

1-Punch Jack Termination Tool

The "1-Punch" XJ Tool and XCELERATOR™ Jacks are made for each other. This tool should be used exclusively with XCELERATOR™ jacks. Additionally, it is necessary to use this with the HXTA termination aid.

Description	Catalog Numbers
1-Punch XJ tool with head, blades and HXTA termination aid	**TX4P**
1-Punch XJ replacement head (includes blades)	**TX4PH**
1-Punch XJ replacement blades	**TX4PHBL**
Hand Termination Aid "Jack Knuckles"	**HXTA**
Snap-X Termination Puck (Bag of 25)	**HXTP25**

TX4PP

1-Punch Panel Termination Tool

Description	For use with	Catalog Numbers
1-Punch panel tool with head and blades	P6EXXU panel	**TX4PP**
1-Punch panel replacement head	P6EXXU panel	**TX4PPH**
1-Punch panel replacement blades	P6EXXU panel	**TX4PPBL**

110 Punch-Down Tool

Comfortable, ergonomic grip with insulated, rubber-embedded handle. Terminated 28-22AWG solid/stranded wire. High visibility colors. Lanyard holes in the handle end. Latching blade storage cover. Adjustable high- and low-impact settings. Twist and lock blades.

TPD110

Description	Catalog Numbers
Standard 110 punch-down tool	**TPD110**
1-pair XJ 110 blade	**TBLH**
Punch-down tool, 1-pair	**TPDH**
Replacement 110 blade	**TBL110**
Replacement 66 Blade	**TBL66**

TBLH

Tool Kits

- Punch-down tool with 110 and 66 blades; and rubber-embedded handle
- Durable, black, nylon belt pouch
- Belt pouch fits up to 2½ inch belt (slide on style)

Description	Catalog Numbers
3-Piece Tool Kit	**TK3**
Delivery: 1 punch-down tool with 110 and 66 blades, 1 pair of snips, and 1 belt pouch	

Description	Catalog Numbers
8-Piece Tool Kit	**TK8**
Delivery: 1 punch-down tool with 110 and 66 blades, 1 pair of snips, 4-bit screwdriver, UTP/STP cable stripper/cutter, Maglite™, 1 belt pouch, and 1 Snap-X termination aid	

Maglite™ is a trademark of Mag Instruments, Inc.

TK3

TK8

Network Wiring
Tools and Accessories
Enterprise Grade Commercial Products

Crimp Tools

- Universal frame accepts interchangeable dies to crimp different plugs.
- Color-coded die-sets for different plug sizes.
- Complete ratchet cycle release assures no-fault crimps.

Description	Catalog Numbers
Crimp Tool Frame (die-sets sold separately).	UCT
Complete tool kit in hard, plastic case includes: crimp tool, UTP cable stripper and 3 die-sets (RJ45, RJ22 and RJ11).	UCTKIT
RG6 Compression Connector (optional die-set not included in tool kit).	FRG6C25
RG59 Compression Connector (optional die-set not included in tool kit).	FRG5925
RJ11 die-set.	CDTSR11
RJ22 die-set.	CDTSR22
RJ45 die-set, non-snagless.	CDTSR45
RJ45 die-set, snagless.	CDTSR45S
RG6 and RG59 Hex Crimp die-set.	CDTSRG659
Economy Crimp Tool – includes non-replaceable RJ11, RJ22 and RJ45 die-sets.	ECT

UCT

ECT

RG6 or RG59 Compression Tool

Use to terminate onto 75 ohm RG6 or RG59 coaxial cable.
(Order 1 to receive a bag of 10 connectors.)

Termination Type	Cable Type	Number of Pieces	Catalog Numbers
Compression	RG6/RG6 Quad Shield	1	FRG625
Compression	RG59	1	FRG5925
Crimp	RG6	1	FRG6C25

Description	Catalog Numbers
RG6 and RG59 Compression Tool	COMPTRG659
Coaxial Stripping Tool	CSTRPR

FRG625

COMPTRG659

Communications Cable Stripper/Cutter

- Strips round Cat. 5e and 6 UTP/STP
- Cuts cable
- Strips flat cables
- Compact size
- High-visibility for quick locating

Description	Catalog Numbers
Communications Cable Stripper/Cutter; strips round Cat. 5e and Cat. 6 UTP/STP with diameters of 0.145 to 0.275 in. (3.7 to 7.0) ; cuts round UTP/STP cables up to 0.350 in. (8.9); adjusting screw for varied cable diameters to avoid scoring interior conductor insulation; high-visibility for quick locating; strips flat cables; non-metallic body	TCS3

TCS3

Hand Held 110 Termination Tool

Description	Catalog Numbers
Designed as an economical alternative for low volume use where the installer press fits the conductors	NS4

NS4

Hubbell Labeling Solutions

Enterprise Grade Commercial Products

- Meets TIA/EIA-606-A labeling administration standards.

- Labor savings. Installer can produce and print labels before installation.

- Saving job files reduces potential for error and eliminates the time to re-enter information when changes and additions are required.

- Makes closets and workstations look professional with clearly marked connections and leaves an impression of quality workmanship.

- In ever-changing work environments, clearly marked connections will make moves, adds, and changes easier by eliminating mistakes and wasted time.

Hubbell Labeling Solutions Software

Delivery: Package of 10, 8.5 x 11 inch (215.9 x 279.4) paper sheets.

Description	Catalog Number
To purchase, please visit www.hubbell-wiring.com.	XPSOFT

Patch Panel and Rack Labels

Delivery: Package of 10, 8.5 x 11 inch (215.9 x 279.4) paper sheets.

Description	Labels per sheet	Label Sheets Catalog Numbers	Extra Label Holders Catalog Numbers
Adhesive 8-Port front label strips.	20	XPLPPA10W	–
Paper 8-Port front label strips (use with label holders supplied with panel).	18	XPLPP10W	XPHPP50
Paper ID labels for all panel sizes (use with vertical ID label holders on panels).	18	XPLPPID10W	XPHPPID1U10 (for 1U) XPHPPID2U10 (for 2U)
Rack and cabinet labels (use with XPHRC10).		XPLRC10W	XPHRC10

Multimedia Panel Labels

Delivery: Package of 10, 8.5 x 11 inch (215.9 x 279.4) paper sheets.

Description	Labels per sheet	Label Sheets Catalog Numbers	Extra Label Holders Catalog Numbers
Paper 8-Port front label strips (use with label holders supplied with panel).	18	XPLUDX2410W	XPHUDX2410

Note: Use XPLFOSEPAW labels for the UDX36 multimedia panel.

Network Wiring
Hubbell Labeling Solutions
Enterprise Grade Commercial Products

Cross Connect, 110 and 6-110 Labels

Delivery: Package of 10, 8.5 x 11 inch (215.9 x 279.4) paper sheets.

Description	Labels Per Sheet	Label Sheets Catalog Numbers	Extra Label Holders Catalog Numbers
Paper index strip, white.	18	**XPL11010W**	XPH11010
Paper index strip, blue.	18	**XPL11010B**	XPH11010
Paper index strip, yellow.	18	**XPL11010Y**	XPH11010

Face Plate and Port Labels

Delivery: Package of 10, 8.5 x 11 inch (215.9 x 279.4) paper sheets.

Description	Labels Per Sheet	Label Sheets Catalog Numbers	Extra Label Holders Catalog Numbers
Paper face plate labels, white.	63	**XPLFP10W**	–
Adhesive face plate labels, white.	120	**XPLFPA10W**	–
Adhesive face plate labels, clear.	120	**XPLFPA10C**	–
Adhesive port icon labels, white.	325	**XPLIPA10W**	–
Adhesive port icon labels, clear.	325	**XPLIPA10C**	–

Fiber Adapter Panel Labels

Delivery: Package of 10, 8.5 x 11 inch (215.9 x 279.4) paper sheets.

Description	Labels Per Sheet	Label Sheets Catalog Number	Extra Label Holders Catalog Numbers
White, adhesive labels for FSPST6, FSPSCD3, FSLCQ3, FSPFC6 adapter panels.	38	**XPLFOSEPAW**	–

Cable Labels

Label Description	Labels Per Sheet	Cable OD	Catalog Numbers
For 2–4 strand fiber cables.	63	0.11" to 0.21" (2.8 to 5.3)	**XPLCBLA1**
For 4-pair copper UTP and 2-12 strand fiber cables.	49	0.15" to 0.27" (3.8 to 6.9)	**XPLCBLA2**
For 25-pair copper UTP and 24–132 strand fiber cables.	21	0.31" to 0.70" (7.9 to 17.8)	**XPLCBLA3**

Dimensions in Inches (mm)   www.hubbell-wiring.com   **HUBBELL**® **Wiring Device-Kellems**   P-27

Network Wiring
Standard UTP Wiring Conventions
Enterprise Grade Commercial Products

Horizontal UTP Cable and Patch Cords

- Solid copper 4-pair 24 AWG UTP is specified for distribution cabling. Stranded UTP is specified for patch cords for flexibility. Shielded cable is not commonly used in the U.S. Splices bridge taps are not permitted.
- Cable, connectors and patch cords shall be marked with the performance category. Always match performance categories of cables and components throughout the infrastructure.
- All cable, cords and connecting hardware shall meet performance requirements of ANSI/TIA/EIA-568-B.1 and 568-B.2. Hubbell assures this compliance with all products and cable partners.

COLOR CODING:

white-blue/blue

white-orange/orange

white-green/green

white-brown/brown

Recognized Connector and Wiring Configurations

- 8-position modular jack/plug.
- 8-position modular panel/plug.
- T568A wiring or T568B wiring options.
- Cat. 5e or Cat. 6 recommended.

RJ 45 - TIA/EIA-568 Conventions

Two wiring standards were adopted. Both configurations provide equivalent transmission performance.

- Preferred method
- Directly compatible with 2-pair voice and Token Ring systems utilizing 6-position connectors

- Optional method
- AT&T's standard
- Directly compatible with AT&T phone systems

LAN Wiring Conventions

Local Area Network standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While TIA/EIA-568A and 568B conventions support all of these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.

- 10 Mbps Ethernet over UTP
- 100 Mbps Ethernet

- 4/16 Mbps Token Ring over copper

- 100 Mbps FDDI over copper (pending)

- 1000 Mbps/10Gb Ethernet over UTP
- Uses all four pairs

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Hose and Cable Protection Systems

Index

Benefits

AccessTrak® System

TrukTrak® and TredTrak® Systems

FloorTrak® System

Hose and Cable Protection Systems

Index

Hose and Cable Protection Systems
Features and Benefits

The AccessTrak® ramping system is a modular cable protection product that enables users to be ADAAG (American Disibilities Act Accessibility Guidelines) compliant and limits the exposure of cables and hoses to people and light vehicles passing over those cables and hoses. AccessTrak is an expandable five channel system that will protect cable and hose diameters up to 1.31 inches (33.0mm). For applications requiring more than five channels, AccessTrak can be expanded by width. In addition, AccessTrak is expandable by length to protect cables and hoses of any length. The AccessTrak ramping system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance.

Hubbell TrukTrak® and TredTrak® non-metallic cable protectors are designed to safeguard electrical cables and cords from vehicle and pedestrian traffic. The TrukTrak system comes in two, three and five channel sizes and will protect cables up to 3.25 inches (82.6mm) in diameter. It is ideal for the industrial environment where it is necessary to support heavy trucks and fork lifts. The TredTrak system is a five channel modular cable protection system that will protect cable diameters up to 1.28 inches (32.5mm). It is designed to support pedestrian and light vehicle traffic in public, institutional and commercial applications.

It can also be interconnected to protect cables and cords of any length. The Hubbell modular cable protection line also permits compliance with NEC® requirements (Article 525) for insulating electrical cables and cord at carnivals, amusement parks, convention centers and similar public areas.

FloorTrak® is a flexible, non-metallic cover for cables that run over the floor when portable cords and cables cannot be concealed or routed away from traffic patterns. FloorTrak protects, organizes and reduces trip hazards. Four different sizes mean it will handle cables of up to 1.25 inches (31.8mm) in diameter. FT2, FT3 and FT4 are available in five PVC colors to blend with the various decors. FT10 is available in black and yellow colors only. The F10 Heavy Duty FloorTrak is ideal for applications such as industrial work areas, food processing plants and abusive areas where cable management is necessary.

Hose and Cable Protection Systems
AccessTrak® System
Ordering Information and Specifications

AccessTrak Expanded by Length

AccessTrak Expanded by Width

Description	Catalog Numbers	Length in. (mm)	Height in. (mm)	Width in. (mm)	Weight lbs. (kg)	Channel Width in. (mm)	Channel Height in. (mm)
AccessTrak® System							
5 Channel AccessTrak kit*, blue and gray.	**HBLAT5KITA**	41.06" (1043.0)	4.00" (102.0)	42.90" (1090.0)	59.85 lbs. (27.15 kg)	1.34" (34.0)	1.31" (33.0)
5 Channel AccessTrak trough, blue and gray.	**HBLAT5A**	36.00" (914.0)	1.94" (49.0)	13.34" (339.0)	17.26 lbs. (7.83 kg)	1.34" (34.0)	1.31" (33.0)
AccessTrak trough end rails (set), gray.	**HBLAT5ERA**	2.50" (63.0)	4.00" (102.0)	13.28" (337.0)	5.21 lbs. (2.36 kg)		
AccessTrak ramps (set), blue.	**HBLAT5RAMPA**	36.00" (914.0)	1.94" (49.0)	14.50" (368.0)	24.78 lbs. (11.24 kg)		
AccessTrak ramp end rails (set), gray.	**HBLAT5RAMPERA**	2.50" (63.5)	4.00" (102.0)	14.75" (375.0)	6.30 lbs. (2.86 kg)		

*Consists of (1) HBLAT5A; (1 set) HBLAT5ERA; (1 set) HBLAT5RAMPA; (2 sets) HBLRAMPERA.

Assembled Kit
Accessibility label, blue symbol, white background

Blue Ramp   Color Light Gray   Blue Ramp

41.06" (1043)

Covered Trough 42.90" (1090)

Trough

Cover Color Light Gray   Trough Color Blue

13.34" (339)

36.00" (914)

Trough (side view)

1.94" (49)

Ramp (top view)

Accessibility Label, Blue symbol White Background   Ramp Color Blue

14.50" (368)

36.00" (914)

Trough End Rails (side view)

Color Light Gray

4.00" (102)

13.28" (337)

Ramp End Rails (top view)

2.50" (63.5)

14.75" (375)

Ramp End Rails (side view)

4.00" (102)

Color Light Gray

Ramp (side view)

1.94" (49)

.25" (6.35)

Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3-1991.
ADA Symbols	Per ADAAG "Symbols of Accessibility".

Load Capacity

Test Fixture Footprint in. (mm)	Measured Load lbs. (N) +/- 20% 70°F (21°C)	120°F (49°C)
7" x 7" (178 x 178)	10,000 (44,480)	8,000 (35,584)

Hose and Cable Protection Systems
TrukTrak® System
Ordering Information and Specifications

HBLTT5B

		A	B	C		D	E
						Channel	
Description	**Catalog Numbers**	**Length in. (mm)**	**Width in. (mm)**	**Height in. (mm)**	**Weight lbs. (kg)**	**Width in. (mm)**	**Height in. (mm)**
TrukTrak® System							
5 Channel TrukTrak®, blue and yellow.	**HBLTT5B**	36.0" (914)	20" (508)	2.31" (58.7)	29 lbs. (13.2 kg)	1.25" (31.8)	1.25" (31.8)
5 Channel TrukTrak® end caps (pair only), yellow.	**HBLTT5ECB** (Female) (Male)	7.50" (190) 5.25" (133)	20" (508) 20" (508)	2.31" (58.7) 2.31" (58.7)	4.7 lbs. (2.1 kg) 4.7 lbs. (2.1 kg)	1.25" (31.8) 1.25" (31.8)	1.25" (31.8) 1.25" (31.8)
5 Channel 45° right turn TrukTrak®, blue and yellow.	**HBLTT545RB**	25.0" (635)	20" (508)	2.31" (58.7)	13 lbs. (5.9 kg)	1.25" (31.8)	1.25" (31.8)
5 Channel 45° left turn TrukTrak®, blue and yellow.	**HBLTT545LB**	25.0" (635)	20" (508)	2.31" (58.7)	13 lbs. (5.9 kg)	1.25" (31.8)	1.25" (31.8)
3 Channel TrukTrak®, blue and yellow.	**HBLTT3B**	36.0" (914)	20" (508)	3.05" (77.5)	36 lbs. (16.3 kg)	2.25" (57.2)	2.25" (57.2)
3 Channel TrukTrak® end caps (pair only), yellow.	**HBLTT3ECB** (Female) (Male)	8.25" (209) 6.38" (162)	20" (508) 20" (508)	3.05" (77.5) 3.05" (77.5)	6.5 lbs. (2.9 kg) 6.5 lbs. (2.9 kg)	2.25" (57.2) 2.25" (57.2)	2.25" (57.2) 2.25" (57.2)
2 Channel TrukTrak®, blue and yellow.	**HBLTT2B**	36.0" (914)	22" (559)	4.13" (104.9)	44 lbs. (19.9 kg)	3.25" (82.6)	3.25" (82.6)

Left turn 45   Right turn 45

Female end

Male end

Features	**Benefits**
High density polyurethane construction.	Supports heavy loads and is weather resistant.
Modular interlocking design.	Easy installation, breakdown and storage.
Safety surface pattern.	Reduces slipping and skidding.
Safety blue and yellow colors.	High visibility.

Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

No. of Channels	**Test Fixture Footprint in. (mm)**	**Meaured Load lbs. (N) +/- 20%**	
		70°F (21°C)	**120°F (49°C)**
5 Channel	6.9" x 17.3" (175 X 439)	20,150 (89,627)	9,200 (40,921)
3 Channel	6.9" x 17.3" (175 X 439)	14,210 (63,206)	4,653 (20,696)
2 Channel	6.9" x 17.3" (175 X 439)	10,880 (48,394)	2,095 (9,318)

Hose and Cable Protection Systems
TredTrak® System
Ordering Information and Specifications

HBLTRED5YB

HBLTRED5B

HBLTRED5XB

		A	B	C		D	E
						Channel	
Description	**Catalog Numbers**	**Length in. (mm)**	**Width in. (mm)**	**Height in. (mm)**	**Weight lbs. (kg)**	**Width in. (mm)**	**Height in. (mm)**
TredTrak® System							
5 Channel TredTrak®, blue and yellow.	**HBLTRED5B**	36.0" (914)	17.5" (445)	1.95" (50)	18 lbs. (8.2 kg)	1.30" (33)	1.30" (33)
5 Channel TredTrak® end caps (pair only), yellow.	**HBLTRED5ECB** (Female) (Male)	5.5" (139) 5.5" (139)	17.5" (445) 17.5" (445)	1.95" (50) 1.95" (50)	2.5 lbs. (1.13kg) 2.5 lbs. (1.13kg)	1.30" (33) 1.30" (33)	1.30" (33) 1.30" (33)
5 Channel TredTrak female end caps (2 females), yellow.	**HBLTRED5ECFB**	5.5" (139)	17.5" (445)	1.95" (50)	2.5 lbs. (1.13kg)	1.30" (33)	1.30" (33)
5 Channel "X" fitting, blue and yellow.	**HBLTRED5XB**	17.5" (445)	17.5" (445)	1.95" (50)	12 lbs. (5.43kg)	1.30" (33)	1.30" (33)
5 Channel "Y" fitting, blue and yellow.	**HBLTRED5YB**	17.5" (445)	17.5" (445)	1.95" (50)	12 lbs. (5.43kg)	1.30" (33)	1.30" (33)

Female end

Male end

X-Fitting

Y-Fitting

Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

Product	Test Fixture Footprint in. (mm)	Measured Load lbs. (N) +/- 20% 70°F (21°C)	120°F (49°C)
TredTrak	6.9" x 17.3" (175 x 439)	10,500 (46,700)	6,500 (28,900)
"X" Fitting	6.9" x 17.3" (175 x 439)	2,900 (12,900)	2,300 (10,230)
"Y" Fitting	6.9" x 17.3" (175 x 439)	2,900 (12,900)	2,300 (10,230)

Hose and Cable Protection Systems
FloorTrak® Floor Cable Cover

Catalog Numbers	Color	Length Feet	(meters)
FloorTrak 2			
FT2BK10	Black	10.0'	(3.05)
FT2BR10	Brown	10.0'	(3.05)
FT2BG10	Beige	10.0'	(3.05)
FT2GY10	Gray	10.0'	(3.05)
FT2Y10	Yellow	10.0'	(3.05)
FloorTrak 3			
FT3BK5	Black	5.0'	(1.52)
FT3BK25	Black	25.0'	(7.62)
FT3BR5	Brown	5.0'	(1.52)
FT3BR25	Brown	25.0'	(7.62)
FT3BG5	Beige	5.0'	(1.52)
FT3BG25	Beige	25.0'	(7.62)
FT3GY5	Gray	5.0'	(1.52)
FT3GY25	Gray	25.0'	(7.62)
FT3Y5	Yellow	5.0'	(1.52)
FT3Y25	Yellow	25.0'	(7.62)
FloorTrak 4			
FT4BK5	Black	5.0'	(1.52)
FT4BK25	Black	25.0'	(7.62)
FT4GY25	Gray	25.0'	(7.62)
FT4Y5	Yellow	5.0'	(1.52)
FT4Y25	Yellow	25.0'	(7.62)
FloorTrak 10 (Heavy Duty)			
FT10BK3	Black	3.0'	(.914)
FT10BK5	Black	5.0'	(1.52)
FT10Y3	Yellow	3.0'	(.914)
FT10Y5	Yellow	5.0'	(1.52)

Dimensions

FloorTrak	FT2	FT3	FT4	FT10 (Heavy Duty)
Width (A)	2.75" (69.9)	3.00" (76.2)	3.25" (82.6)	5.6" (142.24)
Height (B)	.53" (13.5)	.75" (19.1)	1.10" (27.9)	1.7" (43.18)
Center Hole (CxD)	.60" x .31" (15.2) x (7.9)	.75" x .50" (19.1) x (12.7)	1.21" x .75" (30.7) x (19.1)	1.81" x 1.25" (45.98 x 31.75)

Accessories

Double-Sided Tape	Catalog Numbers
1" Wide, 75' Roll Double-Sided Adhesive Tape.	**FTT1**
2" Wide, 75' Roll Double-Sided Adhesive Tape.	**FTT2**

Specifications

Material	Rigid PVC.
Operating Temperature	0°F to +120°F (-18°C to +49°C).

Section R
Cable, Cord and Hose Reels

Index

Weatherproof and Static Discharge

Industrial

Commercial

Hose Reels

Cable, Cord and Hose Reels
Features and Benefits

Hubbell Wiring Device–Kellems offers a complete line of electric cord, cable, hose and static discharge reels for commercial, industrial and weatherproof applications. Hubbell reels virtually eliminate unmanaged cords, cables and hoses which cause trip hazards or an increased potential of electric shock.

Reels provide safe and effective hose and wire management for any facility or plant floor.

For **Safety, Durability** and **Performance** look to the industry **Leader**… look to **Hubbell.**

Weatherproof Cable Reels

Features	Benefits
Solid steel construction	Superior design for the most demanding enviroments.
UL Type 4X enclosure	Watertight enclosure protects spring motor, junction box, slip ring assembly and cable entrance from hosedown or corrosion.
Polyester baked on powder coat finish	Baked on finsh provides tightly bonded sheild to protect reel from abrasion or corrosion.
Ratchet lock	Can be disengaged in field for constant tension applications, built in product flexibility.
Multi-position roller guide	Adjustable guide with nylon rollers may be mounted in four different positions.
Pivot base	Allows 340° rotation of reel. Increases range of cable to nearly any direction.

Industrial Cord Reels

Features	Benefits
Steel construction with yellow powder coat finish	Durable design and corrosion resistant.
Multi-position guide arm	Mounting on the ceiling, wall, floor or bench.
12 AWG 3 cond. cord standard on power reels	Greater current carrying capacity.
Positive-latch mechanism	Automatically maintains desired cord length.
Plug-in power cord	Requires no electrical wiring.

Commercial Cord Reels

Features	Benefits
Steel construction	Durable design for commercial and general purpose applications.
Automatic shut off switch	Available on flourescent and incandescent versions. The automatic switch turns off power to the electrical attachment when the cord is fully retracted.
Molded on plug for power cord	Requires no electrical wiring.
Compact size/flexible mounting	Takes up little room and can be ceiling, wall or bench mounted.
Automatic ratchet lock	Holds cord at desired length and provides easy, smooth retraction of cord.

Static Discharge Reels

Features	Benefits
Steel construction	High quality durable design.
Compact design	Takes up little space.
Massive grounding jaw clamp	Provides low resistant ground termination.

Note: Static discharge reels provide an improved method of complying with OSHA regulation 29 CFR 1910.107(E)(9).

Commercial, Industrial and Heavy Duty Hose Reels

Features	Benefits
Composite housing (commercial)	Lightweight, eliminates corrosion.
Specially blended PVC hose	Will not kink during use.
Full flow swivel	Maximize air flow and performance.
Adjustable guide arm	Multiple mounting positions.

Cable, Cord and Hose Reels
Weatherproof and Static Discharge Reels

Weatherproof Cable and Static Discharge Reels

Description	Cable Feet (m)	Volts AC	Cable Type	Amps	Weight Lbs. (kg)	Catalog Number
14" weatherproof reel.	50 (15.2)	600	14/3 SOW-A	15	55 (24.9)	HBL501431W*
16" weatherproof reel.	50 (15.2)	600	12/3 SOW-A	20	80 (36.3)	HBL501232W*
16" weatherproof reel.	50 (15.2)	600	12/4 SOW-A	16	86 (39.0)	HBL501242W*
16" weatherproof reel.	50 (15.2)	600	10/3 SOW-A	25	86 (39.0)	HBL501032W*
16" weatherproof reel.	50 (15.2)	600	10/4 SOW-A	20	92 (41.7)	HBL501042W*
Static discharge reel.	50 (15.2)	–	Single ³⁄₃₂" Steel	–	12 (5.4)	HBL50SD
Static discharge reel.	50 (15.2)	–	Single ³⁄₃₂" Steel Nylon Coated	–	13 (5.9)	HBL50SDN
Static discharge reel.	50 (15.2)**	–	Dual (Y) ³⁄₃₂" Steel	–	13 (5.9)	HBL50YSD
14" pivot base.	–	–	–	–	5 (2.3)	HBL14PB
16" pivot base.	–	–	–	–	13 (5.9)	HBL16PB
Replacement stop.	–	–	–	–	.2 (.09)	HBLWPBS

Notes: * All weatherproof cable reels are supplied with wire leads and ¾" N.P.T. hub feed.
    ** 35 ft./10.6m + Dual 15 ft./4.5m for "Y".
      Power supply cable not supplied.

HBL501431W

Weatherproof Cable Reels

Listings/ Certifications	UL 355 and CSA, C22.2 No. 21.
Environment	Type 4X enclosure, CAN/CSA - C22.2 No. 21. Dry indoor and wet and damp outdoor non-hazardous location.

HBL50SD

Specifications

Weatherproof Reel Inch (mm)	A	B	C	D	E	F	G	H	I	J
14" reel	6.50" (165)	8.12" (206)	16.25" (413)	13.75" (349)	3.00" (76)	12.19" (310)	3.00" (76)	3.00" (76)	3.00" (76)	6.50" (165)
16" reel	6.50" (165)	9.12" (232)	18.25" (464)	15.75" (400)	3.00" (76)	14.19" (360)	6.00" (152)	6.00" (152)	4.94" (125)	6.50" (165)

Line Entrance ¾" NPT

HBL14PB

Static Discharge Reel

8.81" (224)
7.88" (200)
8.62" (219)
1.50" (38)
3.35" (85)

Pivot Base

340 Pivot Base (Optional)

Mounting Surface 4 Holes
14" 0.44 (11) diameter
16" 0.53 (13) diameter

Reel Base 4 Holes
14" 0.47 (12) diameter
16" 0.53 (13) diameter

Pivot base for use only with Weatherproof Cable Reel.

Cable, Cord and Hose Reels
Industrial Cord Reels

HBL45123TL20

HBL45123C

HBL45123TL20

HBL45123R

HBL45123GF15

HBL50163IN

HBL50162FL

HBL340PB

Industrial Power Cord Reels

Cord End	NEMA Style	Cable Feet (m)	Volts AC	Cable Type	Amps	Weight Lbs. (kg)	Catalog Number
HBL5269C Connector.	5-15R	45 (13.7)	125	12/3 SJEO	15	23 (10.4)	**HBL45123C**
HBL5369C Connector.	5-20R	45 (13.7)	125	12/3 SJEO	20	23 (10.4)	**HBL45123C20**
HBL2313 Connector.	L5-20R	45 (13.7)	125	12/3 SJEO	20	28 (12.7)	**HBL45123TL20**
HBL2313 Connector (white reel housing).	L5-20R	45 (13.7)	125	12/3 SJEO	20	28 (12.7)	**HBL45123TL20W**
Portable Outlet Box with (1) gray duplex	5-15R	45 (13.7)	125	12/3 SJEO	15	29 (13.2)	**HBL45123R**
receptacle.	5-20R	45 (13.7)	125	12/3 SJEO	20	29 (13.2)	**HBL45123R20**
Portable Outlet Box with (1) ground fault	5-15R	45 (13.7)	125	12/3 SJEO	15	29 (13.2)	**HBL45123GF15**
protected gray duplex receptacle.	5-20R	45 (13.7)	125	12/3 SJEO	20	29 (13.2)	**HBL45123GF20**
Pivot Base 330° Rotation fits all industrial models.	—	—	—	—	—	5 (2.3)	**HBL340PB**
Replacement stop.	—	—	—	—	—	.2 (.09)	**HBL12BS**

*Notes: 15 Amp: Supplied with 5 ft. power supply cord with **HBL5266C**, 15A straight blade plug.*
*20 Amp: Supplied with 5 ft. power supply cord with **HBL5366C**, 20A straight blade plug.*
*Ground fault protected reels supplied with (1) **GFM20** and (1) **HBLP26FS**.*

Industrial Light Cord Reels

Cord End	Watts (Max)	Cable Feet (m)	Volts AC	Cable Type	Amps	Weight Lbs. (kg)	Catalog Number
Incandescent Hand Lamp.	100	50 (15.2)	125	16/3	0.8	21 (9.5)	**HBL50163IN**
Fluorescent Hand Lamp.	13	50 (15.2)	120	16/2	0.3	21 (9.5)	**HBL50162FL**
Pivot Base 330° Rotation fits all industrial models.	—	—	—	—	—	5 (2.3)	**HBL340PB**
Replacement stop.	—	—	—	—	—	.2 (.09)	**HBL16BS**

*Note: Supplied with 5 ft. power supply cord with **HBL5266C**, 15A straight blade plug.*

Three Mounting Positions

Wall mount　　Ceiling mount　　Bench mount

Dimensions

Inch (mm)	A	B	C	D	E	F
	13.00" (330)	12.38" (314)	8.00" (203)	2.50" (64)	9.75" (248)	1.25" (32)

All models have four ⁵⁄₁₆" diameter mounting holes.

Listings/Certifications
UL 355
CSA C22.2 No. 21.

Environment
Dry, indoor, non-hazardous locations.

Cable, Cord and Hose Reels
Commercial Cord Reels

Commercial Cord Reels

Description	Watts (Max)	Cable Feet (m)	Volts AC	Cable Type	Amps	Weight lbs. (kg)	Catalog Number
Reel with triple tap outlet, black.	1875	40 (12.2)	125	12/3 SJTW	15	9.0 (4.1)	**HBLC40123TT**
Reel with wire leads, black.	1875	40 (12.2)	125	12/3 SJTW	15	9.0 (4.1)	**HBLC40123**
Reel with wire leads, yellow.	1250	25 (7.6)	125	16/3 SJT	10	8.5 (3.9)	**HBLC25163**
Reel with a Hubbell HBL5969VBLK connector, yellow.	1250	25 (7.6)	125	16/3 SJT	10	8.5 (3.9)	**HBLC25163C**
Reel with non-metallic incandescent hand lamp and automatic shut off switch, yellow.	75	25 (7.6)	125	16/3 SJT	0.6	9.0 (4.1)	**HBLC25163AIN**
Reel with metallic incandescent hand lamp with receptacle, yellow.	1625	25 (7.6)	125	14/3 SJT	13	9.5 (4.3)	**HBLC25143IN**
Reel with fluorescent hand lamp and inline receptacle, white.	1200	40 (12.2)	120	16/3 SJT	10	9.0 (4.1)	**HBLC40163FL**
Reel with fluorescent hand lamp and automatic shut off switch, white.	13	40 (12.2)	120	18/2 SJTOW	0.3	8.2 (3.7)	**HBLC40182AFL**

Note: Reels supplied with 2 ft. power supply cord and molded on straight blade 15A plug.

HBLC40123TT

HBLC25163C

HBLC25143IN

Specifications

Listings/ Certifications	UL 355.
Environment	Dry, indoor, non-hazardous locations.
Incandescent Lamp	75 watt max., auto switch, no receptacle; 100 watt max. bulb, with receptacle.
Fluorescent Lamp	10A/1200W max with in-line receptacle; 13 watt without receptacle.

HBLC40163FL

Dimensions

Triple Tap

All Other Commercial Reels excluding Triple Tap

5.26" (133.84)

30.0" (762.0)

15.51" (394.6)

3.75" (95.4)

4.19" (106.6)

1.44" (36.6)

2.83" (72)

11.38" (289)

9.50" (241)

4.11" (104)

HBLC40182AFL

Cable, Cord and Hose Reels
Commercial, Industrial and Heavy Duty Hose Reels

HBLHR3850C

HBLHR2550I

HBLHR5050HD

Commercial Hose Reels

Air / Water Output Thread	Inside Dia. Inch (mm)	Inlet Thread	Length Feet (m)	Weight Lbs. (kg)	Catalog Number
¼" NPTF	0.25 (6.4)	⅝" NPTF	50 (15.2)	25 (11.3)	**HBLHR2550C**
¼" NPTF	0.38 (9.7)	⅜" NPTF	35 (10.7)	23 (10.4)	**HBLHR3835C**
¼" NPTF	0.38 (9.7)	½" NPTF	50 (15.2)	29 (13.2)	**HBLHR3850C**

Industrial Hose Reels

Air / Water Output Thread	Inside Dia. Inch (mm)	Inlet Thread	Length Feet (m)	Weight Lbs. (kg)	Catalog Number
¼" NPTF	0.25 (6.4)	⅜" NPTF	50 (15.2)	26 (11.8)	**HBLHR2550I**
¼" NPTF	0.38 (9.7)	⅜" NPTF	25 (7.6)	22 (10.0)	**HBLHR3825I**
¼" NPTF	0.38 (9.7)	⅜" NPTF	50 (15.2)	36 (16.3)	**HBLHR3850I**

Heavy Duty Hose Reels

Air / Water Output Thread	Inside Dia. Inch (mm)	Inlet Thread	Length Feet (m)	Weight Lbs. (kg)	Catalog Number
¼" NPTF	0.38 (9.7)	½" NPTF	50 (15.2)	47 (21.3)	**HBLHR3850HD**
¼" NPTF	0.38 (9.7)	½" NPTF	70 (21.3)	50 (22.6)	**HBLHR3870HD**
⅜" NPTF	0.50 (12.7)	½" NPTF	50 (15.2)	51 (23.1)	**HBLHR5050HD**

Dimensions

Inch (mm)	A	B	C	D	E
Commercial					
2550C, 3835C	17.87" (454)	16.5" (419)	6" (152)	2.25" (57)	5.75" (146)
3850C	17.87" (454)	16.5" (419)	6" (152)	2.25" (57)	6.25" (159)
Industrial					
2550I	14.5" (368)	13.5 (343)	9.75" (248)	2.5" (64)	6" (152)
3825I	12.87" (327)	12.63" (321)	8" (203)	2.5" (64)	5.37" (136)
3850I	17.5" (445)	16.5" (419)	9.75" (248)	2.5" (64)	6" (152)
Heavy Duty	20.5" (521)	19" (483)	7.88" (200)	3.88" (99)	7" (178)

Male Output Thread

Female Inlet Thread

A

B

C

D

E

Three Guide Arm Positions

Top Wind	Side Wind	Bottom Wind
Ceiling and Under Floor	Wall or Column and Floor or Pit	

Section S
Temporary Power and Lighting Systems

Index

Spider® II

60A Military Spider® II

Cord Sets

Accessories

Spider® II
Temporary Power and Lighting Systems
Features and Benefits

Temporary Power Distribution Systems
Spider® II Temporary Power Boxes
Features and Benefits

Individual GFCI modules.

Gasketed latching receptacle lift covers.

Available with flush 50A Twist-Lock® inlet or 60A IEC reversed service Pin and Sleeve receptacle.

Replaceable legs.

6-20 Amp straight blade or Twist-Lock® watertight receptacles.

Standard stab termination circuit breakers with gasketed lift cover.

- Compact electronic supervisory circuit.
- Detailed wiring diagram.
- TYPE 3R metallic enclosure and heavy duty, abuse resistant legs.

Hubbell's Spider II temporary power distribution system sets the safety and performance standard for temporary power needs. Construction sites and outdoor events place more demands on electrical power than ever before. Hubbell's Spider box steps up to the challenge by offering advanced electrical and safety features. The Spider II box incorporates the most advanced ground fault module technology available in the industry today, ensuring safe and reliable distribution of electrical power for a wide variety of temporary power applications.

Breadth of Line and Innovation
Hubbell manufactures a variety of Spider II Boxes and temporary power products for both indoor and outdoor power and lighting applications. Hubbell's next generation Spider products incorporate the most innovative

wiring devices in 75 years, the Hubbell Safety Shroud Twist–Lock® system. The three shrouded Twist-Lock® receptacle design extends the life of the plug by protecting the blades from abuse and, more importantly, the shroud protects the user from arcing. The Spider II temporary power system incorporates Watertight Safety Shroud Twist-Lock receptacles to provide a UL Type 3R rating when the receptacles are used with Watertight Safety Shroud Twist-Lock plugs. Standard Twist-Lock and Safety Shroud Twist-Lock plugs may be used with these receptacles when water ingress during use is not a concern. To ensure an overall 3R rating when all receptacles are in use, Hubbell has also designed a weatherproof boot. This weatherproof boot for straight blade plugs maintains a 3R rating when it is used with the Spider II straight blade receptacles.

Environmental Protection
All Pin and Sleeve, Twist-Lock and straight blade receptacles on each Spider box are protected when not in use by a gasketed, spring loaded flip lid. Hubbell has taken multiple steps to ensure that the Spider II boxes can withstand today's harsh environmental requirements and as a result, the Spider II boxes have earned a 3R enclosure rating for outdoor rainproof applications. In addition to the added safety and water resistant features, Hubbell makes the boxes user friendly by offering a full line of replacement parts for field repairability.

Certifications
Hubbell's Spider II Boxes meet NEC requirements for personal protection against electrical shock on job sites and are listed to the latest UL 1640 standard for Portable Power Distribution Equipment.

Temporary Power Distribution Systems
Spider® II Temporary Power Boxes Ordering Information

50A Spider® II

60A Spider® II

60A Military Spider® II

Spider® II Boxes

Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection Overload	GFI	Catalog Numbers
30A, 120/240V	Straight Blade	7	20A, 125V	HBL52R61	Yes	Yes	SDSB1A
AC (Max.)	Twist-Lock® (inlet)	1	30A, 120/240V	HBL2715SWR	No	No	
	Twist-Lock® (outlet)	1	30A, 120/240V	HBL2710	No	No	
50A, 120/240V	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	SBSB1A
AC (Max.)	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	SBSB2
AC (Max.)	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V	Twist-Lock®	7	20A, 125V	HBL2310SW	Yes	Yes	SBTL1A
AC (Max.)	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	SBTL2
AC (Max.)	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
60A, 3Ø 120/208V	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	SCSB0
AC (Max.)	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	
60A, 3Ø 120/208V	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	SCTL0
AC (Max.)	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	

Note: 60A units are UL and cUL only.

Military Spider® II Boxes

Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection Overload	GFI	Catalog Numbers
60A, 3Ø 120/208V	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes*	SCSB0M2
AC (Max.)	Class "L" (inlet)	1	60A, 3ØY, 120/208V	—	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	—	No	No	
60A, 3Ø 120/208V	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes*	SCTL0M2
AC (Max.)	Class "L" (inlet)	1	60A, 3ØY, 120/208V	—	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	—	No	No	

GFCI protection on 4 devices only.

Temporary Power Distribution Systems

Cable Sets and Receptacles
Replacement Parts and Specifications

Cable Sets and Receptacles

Cable Sets and Receptacles

Description	Catalog Numbers
50A pre-wired wall mounted receptacle, with 2 ft. wire leads.	**SR50**
50A cord set- 50 ft. cable (input/output).	**SCB50**
60A cord set- 6 ft. cable (input/output).	**SCC06**
60A cord set- 50 ft. cable (input/output).	**SCC50**
60A, 3Ø 120/208V Pin and Sleeve wall mounted receptacle.	**HBL560R9W**
1¼" hub 15 deg. non-metallic angle back box for 60A receptacle.	**BB601W**
1½" hub 15 deg. metallic 4-way angle back box for 60A receptacle.	**FW60100**

Note: Consult factory for alternate cable lengths.

HBL2310SW

Replacement Parts

Description	Catalog Numbers
20A, 125V straight blade receptacle.	**HBL53R61**
20A, 125V Safety-Shroud Twist-Lock® receptacle.	**HBL2310SW**
30A, 250V Safety-Shroud Twist-Lock® receptacle.	**HBL2620SW**
30A, Reverse Service Safety-Shroud connector.	**HBL2713SR**
30A, Reverse Service inlet.	**HBL2715SWR**
50A, 125/250V Twist-Lock® receptacle.	**CS6369**
50A, 125/250V Twist-Lock® inlet.	**HBL6375S**
60A, 3Ø 120/208V Pin and Sleeve reversed service receptacle (inlet).	**HBL560B9R**
60A, 3Ø 120/208V Pin and Sleeve receptacle (outlet).	**HBL560R9W**
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	**HBL560P9WR**
60A, 3Ø 120/208V Pin and Sleeve plug (male).	**HBL560P9W**
GFCI module.	**GFM20**
50A Spider supervisory kit.	**SSK**
60A Spider supervisory kit.	**SSK60**
Spider circuit breaker cover.	**SCBC**
Spider leg kit.	**SLK**
Spider leg kit, green.	**SLKG**
50A receptacle cover plate.	**HBL77CM74WO**

GFM20

SSK

Specifications

Spider® II

Listing Certification	UL 1640 cUL and CSA, UL 943.
Environment	Indoor and outdoor wet and dry locations.
Enclosure Type	3R, rainproof, suitable for use in damp locations.
Code Compliance	NEC®, ANSI/NFPA 70.

SCBC

SCB50   **SR50**   **HBL2713SR**   **HBL77CM74WO**

Temporary Power Distribution Systems
Portable Outlet Boxes and Plates

HBLPOB1

Cover Plates

**Deluxe Cord Grips
(purchased separately)**

**Gray Nylon
Cord Connector**

Portable Outlet Boxes and Plates

Description	Catalog Numbers
Box with cord strain relief, with one blank cover plate.	HBLPOB1
Box with cord strain relief, with two duplex (indoor) cover plates.	HBLPOB1D
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	HBLPOB1DY
Blank, non-metallic FS cover plate with foam gasket, gray.	HBLP14FS
Duplex, non-metallic FS cover plate, gray.	HBLP8FS
Duplex, non-metallic FS cover plate, yellow.	HBLP8FSY
Single receptacle (1.39"), non-metallic FS cover plate, gray.	HBLP7FS
Single receptacle (1.56"), non-metallic FS cover plate, gray.	HBLP720FS
Rectangular opening, non-metallic FS cover plate, gray.	HBLP26FS

Note: Standard product gray, CM yellow.

Other cover plates and devices which may be used with Portable Outlet Box

Duplex cover plate, weatherproof.	HBL5221, HBL52CM21
Single receptacle (1.39") cover plate, weatherproof.	HBL7423WO, HBL74CM23WO
Single receptacle (1.56") cover plate, weatherproof.	HBL7425WOA, HBL74CM25WOA
Safety-Shroud Twist-Lock® surface receptacles.	HBL2310SR series, HBL2410SR series

Note: Standard product gray, CM yellow.

Deluxe Cord Grips Straight Male Thread
Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Inches	Range (cm.)	Thread Size N.P.T. (inches)	Form Size	Catalog Numbers
.375"-.500"	(.95-1.27)	¾"	F3	074011335
.500"-.625"	(1.27-1.59)	¾"	F3	074011336
.625"-.750"	(1.59-1.90)	¾"	F3	074011337

Nylon Cord Connector Straight Male Thread

Grip Diameter Inches	Range (cm.)	Thread Size N.P.T. (inches)	Form Size	Catalog Numbers
.375"-.500"	(.95-1.27)	¾"	F3	SHC1035CR
.500"-.625"	(1.27-1.59)	¾"	F3	SHC1036CR
.625"-.750"	(1.59-1.90)	¾"	F3	SHC1037CR

Specifications

UL Listed	UL 514C, UL467 and UL50 Enclosures Types 1, 3R,
CSA Certified	C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance).
Box Specifications:	
Moisture Resistance	Wet and damp locations, Enclosure Type 3R when used with weatherproof cover plates. Dry, indoors locations, Enclosure Type 1 with all other cover plates.
Flammability	UL 94V-0, 94-5VA classification.
Operating Temperature	80°C maximum; -35°C minimum.
UV Resistance	All materials are UV stabilized.
Impact and Crush Resistance	in accordance with UL 514C, UL50, C22.2 No. 18 and C22.2 No. 94.
Material	Valox®.
Cord Connector Materials	Nylon nut; Nylon Gotcha® ring; Neoprene grommet
Cord Diameter Range	.38" to .75" diameter.
Bonding Strap Material	Brass.
Threaded Inserts	Brass.
Grounding Screw Material	Brass.
Indoor Cover Plate Screws Material	Zinc Plated Steel.
Outdoor Cover Plate Screws Material	Stainless Steel.
Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant).

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions

3.18" (80.8)

4.82" (122.4)

2.84" (72.1)

4.20" (106.7)

4.56" (115.8)

5.38" (136.7)

HBLPOB1

Temporary Power Distribution Systems
Pre-Wired Portable Outlet Boxes, Worklights and Accessories
Ordering Information and Specifications

Pre-Wired Portable Outlet Boxes

Description	Catalog Numbers
25 ft. with 2-15A, 125V, straight blade single receptacles and 1- 15A, 125V straight blade plug and boot.	SPB1
25 ft. with 2-20A, 125V, Twist-Lock® single receptacles and 1-20A, 125V Twist-Lock plug and boot.	SPB2

SPB1

SPB2

Worklights and Accessories

Description	Catalog Numbers
Temporary worklight with 15A, 125V straight blade plug, 25 ft. cord.	TW25F1
Temporary worklight with 20A, 125V Twist-Lock plug, 25 ft. cord.	TW25F2
Temporary low voltage worklight with cigarette lighter plug, 20 ft. cord.	TWLV20F
Portable battery pack and charger for TWLV20F worklight.	TWBP
Non-metallic temporary worklight hook.	TWH

TW25F1

TW25F2

Specifications

Temporary Worklights	
Listings/Certifications	UL298 and cUL Portable Electric Hand Lamps.
Environment	Dry, indoor locations.
Fluorescent Lamp	13 watt twin tube only.

Battery Pack and Charger	
Environment	Indoor and outdoor dry locations.
Fluorescent Lamp Life	Fully charged-5 hour approx.
Charge Time	Fully charged-16 hours approx.
Battery Rating	12 volt.

TWLV20F

TWBP

TWH

Temporary Power Distribution Systems
Dimensional Specifications

Spider® II Temporary Power Box

13.70"
(348.0)

6.13"
(155.7)

22.84"
(580.1)

18.90"
(480.1)

Light Fixture

11.20"
(284.5)

2.30"
(58.4)

Worklight Hook

2.94"
(76.7)

2.03"
(51.6)

4.78"
(121.4)

Battery Pack and Charger

5.0"
(127.0)

3.40"
(83.4)

7.8"
(198.1)

3.70"
(94.0)

5.9"
(149.9)

5.9"
(149.9)

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Section T
Kellems® Wire Management Products

Index

Pulling Grips

Support Grips

Strain Relief Grips

Cord Connectors

Support
Grip

Seal-Tite®
Conduit
Grip

Support
Grip

Deluxe
Cord Grip

Seal-Tite®
Conduit
Grip

Strain
Relief
Grip

Pulling
Grip

Support
Grip

Overhead Pulling Grip

Conduit Riser Grip

Deluxe Cord Grip

Strain Relief Grip

Bus Drop Grip

Deluxe Cord Grip

Hose Containment Grip

Cord Connector

Support Grip

Underground Pulling Grip

HUBBELL

Kellems® Wire Management Products
Quick Reference Selection Guide for Grip Applications

Pulling Grips

Heavy-Duty Rotating Eye
For underground wiring and over-head heavy-duty pulling of service lines and new construction cable. See pages T-7 and T-8.

Heavy-Duty Flexible Eye
For overhead transmission and distribution line stringing. See pages T-6, T-7, and T-9.

Slack Grips
For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available. See pages T-10 and T-11.

Light-Duty Flexible Eye
For light industrial pulling of electri-cal cable and for underground and industrial plant wiring and re-wiring. See page T-12.

Support Grips

Single Eye
For single hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty, and service drop grips. See pages T-30, T-34, and T-36.

Double Eye
For double hook attachment of permanent indoor/outdoor cable. Available on heavy-duty and standard duty grips. See pages T-31 and T-35.

Single Offset Eye
For offset hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty and light-duty support grips. See page T-32.

Universal Eye
Used to fasten around a structure or closed loop. Available on standard duty support and light or heavy duty service drop grips. See pages T-33 and T-37.

Support Grips

Wide Range Bus Drop
Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support air hose and water hose. See page T-38.

Strain Relief Grips

Dust-Tight Strain Relief
Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems. See page T-65.

Deluxe Cord
Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are enclosures, crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. Available in straight, 90°, or 45° configurations. See pages T-60 to T64.

Liquid-Tight, Flexible Metal Conduit
Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Available in straight, 90°, or 45° configurations. See pages T-68 to T-70.

Other Specialty Grips

Splicing Grips
Used as temporary splice for cable and wire rope, or as reinforcement to protect cables and hoses. See pages T-13 and T-14.

Conduit Riser Grips
Ideal for supporting electrical wires inside rigid conduit via a supporting ring. See pages T-39 to T-41.

Hose Containment Grips
Used on flexible hose lines to prevent violent whipping of hose in the event of failure at the fitting. See page T-58.

Specifications are subject to change without notice.

Kellems® Wire Management Products
Pulling Grips
Overhead, Underground, Commercial Construction, Specialty

Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines. They have great strength for trouble free pulling jobs.

Shoulder protectors contain the cable inside the grip and smooth the passage of the grip over line stringing blocks or conduit bends. They protect the leading edge of the grip from abrasion.

The galvanized steel mesh grip provides strength for secure pulling jobs and a slim profile with little build-up. It has flexibility to follow cable path.

The multiweave styles available add strength for big pulling jobs and provide positive gripping power.

Endless weave allows easy installation onto cable. It has a snag-free low profile. Designed to be a reusable tool.

Kellems® Wire Management Products
Overhead DUA-PULL® Pulling Grips
Flexible Eye, Double Weave Mesh, Galvanized Steel

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.

DUA-PULL Grips

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function, not provided by any other grip, of working with both bare and insulated conductors and synthetic rope.

DUA-PULL Grips

Diameter Range Conductor Diameter Inches (cm)	Rope* Diameter Inches (cm)	Approx. Breaking Strength Lbs. (N)	E In. (cm)	M In. (cm)	Eye B Diameter In. (cm)	Diameter Over Cable & Grip** In. (cm)	Color Code	Catalog Numbers
.19"-.37" (.48-.94)	.25"-.65" (.63-1.65)	6,500 (28,912)	10" (25.40)	24" (60.96)	.220" (.56)	.200" (.51)	Black	**033271037**
.38"-.62" (.97-1.57)	.50"-.90" (1.27-2.29)	14,000 (62,272)	12" (30.48)	36" (91.44)	.375" (.95)	.280" (.71)	Dk Green	**033271038**
.63"-.87" (1.60-2.21)	.75"-1.10" (1.90-2.79)	20,000 (88,960)	13" (33.02)	48" (121.92)	.437" (1.11)	.360" (.91)	Red	**033271039**
.88"-1.12" (2.24-2.84)	1.00"-1.50" (2.54-3.81)	30,600 (136,109)	15" (38.10)	60" (152.40)	.500" (1.27)	.500" (1.27)	Dk Blue	**033271040**
1.13"-1.37" (2.87-3.48)	1.25"-1.70" (3.17-4.32)	46,800 (208,166)	18" (45.72)	76" (193.04)	.625" (1.59)	.625" (1.59)	Yellow	**033271041**
1.38"-1.90" (3.51-4.38)	1.50"-2.10" (3.81-5.33)	66,500 (295,792)	24" (60.96)	89" (226.06)	.750" (1.90)	.750" (1.90)	Alum.	**033271042**

E- Eye length   M-Mesh length at nominal diameter
  *For rope, select smallest size grip which meets required work load.
  **Add to cable or rope diameter.

DUA-PULL Feed Tube

For Use With DUA-PULL Grip	Rope Diameter Inches (cm)	Feed Tube Length Inches (cm)	Catalog Numbers
033271037	.25"-.65" (.63-1.65)	28" (71.12)	**091061043**
033271038	.50"-.90" (1.27-2.29)	40" (101.60)	**091061044**
033271039	.75"-1.10" (1.90-2.79)	52" (132.08)	**091061045**
033271040	1.00"-1.50" (2.54-3.81)	67" (170.18)	**091061046**
033271041	1.25"-1.70" (3.17-4.32)	83" (210.82)	**091061047**
033271042	1.50"-2.10" (3.81-5.33)	96" (243.84)	**091061048**

Overhead Multiple Strength Pulling Grips
Flexible or Rotating Eye, Triple, Double, Single Weave, Galvanized Steel

Multiple Strength Style Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables.

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.

Multiple Strength Grip-Rotating Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Color Code	Catalog Numbers
.25"-.49" (.63-1.24)	6,800 (20,567)	5" (12.70)	26" (66.04)	⅞" (2.22)	Dark Green	**03302016**
.50"-.74" (1.27-1.88)	10,000 (44,480)	6" (15.24)	32" (81.28)	1" (2.54)	Brown	**03302018**
.75"-.99" (1.90-2.51)	14,400 (64,051)	6" (15.24)	41" (104.14)	1" (2.54)	Light Blue	**03302020**
1.00"-1.24" (2.54-3.15)	24,600 (109,420)	8" (20.32)	52" (132.08)	1⅜" (3.49)	Gold	**03302022**
1.25"-1.49" (3.17-3.78)	30,600 (136,109)	8" (20.32)	56" (142.24)	1⅝" (4.13)	Black	**03302024**
1.50"-1.74" (3.81-4.42)	30,600 (136,109)	9" (22.86)	60" (152.40)	1⅞" (4.76)	Red	**03302026**
1.75"-2.24" (4.44-5.69)	48,000 (213,504)	10" (25.40)	70" (177.80)	1⅞" (4.76)	Dark Blue	**03302028**
2.00"-2.49" (5.08-6.32)	48,000 (213,504)	10" (25.40)	50" (127.00)	1⅞" (4.76)	Yellow	**03302066**
2.50"-2.99" (6.35-7.59)	48,000 (213,504)	10" (25.40)	52" (132.08)	1⅞" (4.76)	Orange	**03302097**
3.00"-3.49" (7.62-8.86)	48,000 (213,504)	10" (25.40)	54" (137.16)	1⅞" (4.76)	Aluminum	**033021030**
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	10" (25.40)	58" (142.24)	1⅞" (4.76)	Light Green	**033021031**

E-Eye length   M-Mesh length at nominal diameter

Multiple Strength Grip-Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	A-Eye Dia Inches (cm)	Color Code	Catalog Numbers
.25"-.49" (.63-1.24)	6,800 (20,567)	9" (22.86)	26" (66.04)	¼" (.63)	Dark Green	**03302044**
.50"-.74" (1.27-1.88)	10,000 (44,480)	9" (22.86)	32" (81.28)	⁵⁄₁₆" (.79)	Brown	**03302046**
.75"-.99" (1.90-2.51)	14,400 (64,051)	11" (27.94)	41" (104.14)	⅜" (.95)	Light Blue	**03302048**
1.00"-1.24" (2.54-3.15)	24,600 (109,420)	12" (30.48)	52" (132.08)	½" (1.27)	Gold	**03302050**
1.25"-1.49" (3.17-3.78)	30,600 (136,109)	12" (30.48)	56" (142.24)	½" (1.27)	Black	**03302052**
1.50"-1.74" (3.81-4.42)	30,600 (136,109)	12" (30.48)	60" (152.40)	½" (1.27)	Red	**03302054**
1.75"-2.24" (4.44-5.69)	48,000 (213,504)	18" (45.72)	70" (177.80)	⅝" (1.59)	Dark Blue	**03302056**
2.00"-2.49" (5.08-6.32)	48,000 (213,504)	18" (45.72)	50" (127.00)	⅝" (1.59)	Yellow	**033021078**
2.50"-2.99" (6.35-7.59)	48,000 (213,504)	18" (45.72)	52" (132.08)	⅝" (1.59)	Orange	**033021079**
3.00"-3.49" (7.62-8.86)	48,000 (213,504)	18" (45.72)	54" (137.16)	⅝" (1.59)	Aluminum	**033021080**
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	18" (45.72)	58" (142.24)	⅝" (1.59)	Light Green	**033021081**

E-Eye length   M-Mesh length at nominal diameter

Underground K-Type Pulling Grips

Rotating Eye, Double Weave, Galvanized Steel

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.

K-Type Grips

Kellems® Rotating Eye, K-Type Pulling Grips are made of high strength galvanized steel strand. All Grips feature double weave mesh for greater strength and added mesh contact on the table, to handle longer or heavier pulling jobs. The forged eye mates easily with a swivel or shackle.

K-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E In. (cm)	M In. (cm)	Rotating Eye Diameter Inches (cm)	Catalog Numbers
Short					
.50"-.61" (1.27-1.55)	5,600 (24,909)	5" (12.70)	11" (27.94)	⅞" (2.22)	03301001
.62"-.74" (1.57-1.88)	6,800 (30,246)	5" (12.70)	11" (27.94)	⅞" (2.22)	03301002
.75"-.99" (1.90-2.51)	6,800 (30,246)	6" (15.24)	20" (50.80)	1" (2.54)	03301013
1.00"-1.24" (2.54-3.15)	12,800 (56,934)	7" (17.78)	20" (50.80)	1⅜" (3.49)	03301014
1.25"-1.49" (3.17-3.78)	12,800 (56,934)	7" (17.78)	21" (53.34)	1⅜" (3.49)	03301016
1.50"-1.99" (3.81-5.05)	16,400 (72,941)	7" (17.78)	25" (63.50)	1⅜" (3.49)	03301017
2.00"-2.49" (5.08-6.32)	27,200 (120,986)	8" (20.32)	26" (66.04)	1⅝" (4.13)	03301018
2.50"-2.99" (6.35-7.59)	33,000 (146,784)	10" (25.40)	28" (71.12)	1⅞" (4.76)	03301019
3.00"-3.49" (7.62-8.86)	41,000 (182,368)	10" (25.40)	30" (76.20)	1⅞" (4.76)	03301020
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	10" (25.40)	32" (81.28)	1⅞" (4.76)	03301021
4.00"-4.49" (10.16-11.40)	48,000 (213,504)	10" (25.40)	33" (83.82)	1⅞" (4.76)	033011017
Standard					
.50"-.61" (1.27-1.55)	5,600 (24,909)	5" (12.70)	16" (40.64)	⅞" (2.22)	03301011
.62"-.74" (1.57-1.88)	6,800 (30,246)	5" (12.70)	16" (40.64)	⅞" (2.22)	03301012
.75"-.99" (1.90-2.51)	9,600 (42,701)	6" (15.24)	32" (81.28)	1" (2.54)	03301024
1.00"-1.49" (2.54-3.78)	16,400 (72,947)	7" (17.78)	33" (83.82)	1⅜" (3.49)	03301025
1.50"-1.99" (3.81-5.05)	16,400 (72,947)	7" (17.78)	34" (86.36)	1⅜" (3.49)	03301026
2.00"-2.49" (5.08-6.32)	27,200 (120,986)	9" (22.86)	36" (91.44)	1⅝" (4.13)	03301027
2.50"-2.99" (6.35-7.59)	33,000 (146,784)	10" (25.40)	38" (96.52)	1⅞" (4.76)	03301028
3.00"-3.49" (7.62-8.86)	41,000 (182,368)	10" (25.40)	39" (99.06)	1⅞" (4.76)	03301029
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	10" (25.40)	41" (104.14)	1⅞" (4.76)	03301030
4.00"-4.49" (10.16-11.40)	48,000 (213,504)	10" (25.40)	42" (106.68)	1⅞" (4.76)	03301031
4.50"-4.99" (11.43-12.67)	48,000 (213,504)	10" (25.40)	58" (147.32)	1⅞" (4.76)	03301039
5.00"-5.99" (12.70-15.21)	48,000 (213,504)	10" (25.40)	60" (152.40)	1⅞" (4.76)	03301047
6.00"-6.99" (15.24-17.75)	48,000 (213,504)	10" (25.40)	66" (167.64)	1⅞" (4.76)	03301045

E-Eye length   M-Mesh length at nominal diameter

Note: Refer to page T-26 for multiple cables in a single pulling grip.

Kellems® Wire Management Products

Underground K-Type Pulling Grips

Kellems® Wire Management Products
Underground T-Type Pulling Grips
Flexible Eye, Double Weave, Galvanized Steel

T-Type Grips

Kellems® Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.

T-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
Short				
.50"-.61" (1.27-1.55)	4,500 (20,016)	8" (20.32)	21" (53.34)	**033041082**
.62"-.74" (1.57-1.88)	5,600 (24,909)	8" (20.32)	24" (60.96)	**033041083**
.75"-.99" (1.90-2.51)	6,800 (30,246)	9" (22.86)	24" (60.96)	**033041084**
1.00"-1.49" (2.54-3.78)	9,600 (42,701)	9" (22.86)	24" (60.96)	**033041085**
1.50"-1.99" (3.81-5.05)	16,400 (72,947)	11" (27.94)	24" (60.96)	**033041086**
2.00"-2.49" (5.08-6.32)	18,500 (82,288)	12" (30.48)	24" (60.96)	**033041087**
2.50"-2.99" (6.35-7.59)	24,500 (108,976)	12" (30.48)	24" (60.96)	**033041088**
3.00"-3.49" (7.62-8.86)	24,500 (108,976)	14" (35.56)	24" (60.96)	**033041089**
3.50"-3.99" (8.89-10.13)	31,000 (137,888)	14" (35.56)	26" (66.04)	**033041090**
Standard				
.75"-.99" (1.90-2.51)	6,800 (30,246)	9" (22.86)	36" (91.44)	**033041091**
1.00"-1.49" (2.54-3.78)	9,600 (42,701)	9" (22.86)	36" (91.44)	**033041092**
1.50"-1.99" (3.81-5.05)	16,400 (72,947)	11" (27.94)	36" (91.44)	**033041093**
2.00"-2.49" (5.08-6.32)	18,500 (82,288)	12" (30.48)	36" (91.44)	**033041094**
2.50"-2.99" (6.35-7.59)	24,500 (108,976)	12" (30.48)	36" (91.44)	**033041095**
3.00"-3.49" (7.62-8.86)	24,500 (108,976)	14" (35.56)	36" (91.44)	**033041096**
3.50"-3.99" (8.89-10.13)	31,000 (137,888)	14" (35.56)	40" (101.60)	**033041097**

E-Eye length   M-Mesh length at nominal diameter

Note: Refer to page T-26 for multiple cables in a single pulling grip.

Special Purpose Pulling Grips

Non-Conductive and Slack Pulling

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.

Kellems® Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

Non-Conductive Grips, Single Eye, Double Weave, Non-Metallic

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E In. (cm)	M In. (cm)	A In. (cm)	Color Code	Catalog Numbers
.50"-.62" (1.27-1.57)	4,000 (17,792)	5.5" (13.97)	24" (60.96)	.44" (1.12)	Green	03628001
.63"-.74" (1.60-1.88)	5,000 (22,240)	5.5" (13.97)	26" (66.04)	.44" (1.12)	Yellow	03628002
.75"-.99" (1.90-2.51)	6,000 (26,688)	6.0" (15.24)	31" (78.74)	.63" (1.60)	Red	03628003
1.00"-1.24" (2.54-3.15)	6,000 (26,688)	6.5" (16.51)	36" (91.44)	.63" (1.60)	Blue	03628004
1.25"-1.49" (3.17-3.78)	6,000 (26,688)	6.7" (17.02)	41.5" (105.41)	.63" (1.60)	White	03628005
1.50"-1.99" (3.815.05)	6,500 (28,912)	8.0" (20.32)	44.0" (121.76)	.63" (1.60)	Pink	03628006

E-Eye length   M-Mesh length at nominal diameter

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

Slack Grip-Closed Mesh,
Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
Standard				
.75"-.99" (1.90-2.51)	2,600 (11,565)	7" (17.78)	12" (30.48)	03308003
1.00"-1.24" (2.54-3.15)	4,000 (17,792)	8" (20.32)	15" (38.10)	03308004
1.25"-1.49" (3.17-3.78)	5,400 (24,019)	8" (20.32)	16" (40.64)	03308005
1.50"-1.74" (3.81-4.42)	6,600 (29,357)	8" (20.32)	20" (50.80)	03308006
1.75"-1.99" (4.44-5.05)	10,000 (44,480)	10" (25.40)	18" (45.72)	03308007
2.00"-2.49" (5.08-6.32)	11,000 (48,928)	10" (25.40)	19" (48.26)	03308008
2.50"-2.99" (6.35-7.59)	11,000 (48,928)	10" (25.40)	20" (50.80)	03308009
3.00"-3.49" (7.62-8.86)	14,500 (64,496)	12" (30.48)	21" (53.34)	03308010
3.50"-3.99" (8.89-10.13)	14,500 (64,496)	12" (30.48)	22" (55.88)	03308011

E-Eye length   M-Mesh length at nominal diameter
Note: Refer to page T-26 for multiple cables in a single pulling grip.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Special Purpose Pulling Grips
Slack Pulling

Slack Grip-Split Mesh, Rawhide Lace Closing,
Offset Eye, Double Weave, Galvanized Steel

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature single offset eye for easy attachment to a pulling line.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
Standard				
.75"-.99" (1.90-2.51)	2,500 (11,120)	7" (17.78)	12" (30.48)	03309003
1.00"-1.24" (2.54-3.15)	3,500 (15,568)	8" (20.32)	15" (38.10)	03309004
1.25"-1.49" (3.17-3.78)	4,000 (17,792)	8" (20.32)	16" (40.64)	03309005
1.50"-1.74" (3.81-4.42)	4,000 (17,792)	9" (22.86)	17" (43.18)	03309006
1.75"-1.99" (4.44-5.05)	4,000 (17,792)	10" (25.40)	18" (45.72)	03309007
2.00"-2.49" (5.08-6.32)	4,000 (17,792)	10" (25.40)	19" (48.26)	03309008
2.50"-2.99" (6.35-7.59)	4,000 (17,792)	10" (25.40)	20" (50.80)	03309009
Long				
1.50"-1.99" (3.81-5.05)	4,000 (17,792)	9" (22.86)	25" (63.50)	03309015
2.00"-2.49" (5.08-6.32)	4,000 (17,792)	10" (25.40)	26" (66.04)	03309016
2.50"-2.99" (6.35-7.59)	4,000 (17,792)	10" (25.40)	29" (73.66)	03309017
3.00"-3.49" (7.62-8.86)	4,000 (17,792)	12" (30.48)	32" (81.28)	03309018
3.50"-3.99" (8.89-10.13)	4,000 (17,792)	12" (30.48)	35" (88.90)	03309019

Slack Grip-Split Mesh, Rod Closing,
Offset Eye, Single Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.61" (1.27-1.55)	1,500 (6,672)	7" (17.78)	6" (15.24)	03310001
.62"-.74" (1.57-1.88)	1,800 (8,006)	7" (17.78)	8" (20.32)	03310002
.75"-.99" (1.90-2.51)	2,200 (9,786)	7" (17.78)	10" (25.40)	03310003
1.00"-1.24" (2.54-3.15)	3,400 (15,123)	8" (20.32)	12" (30.48)	03310004
1.25"-1.49" (3.17-3.78)	4,500 (20,016)	8" (20.32)	14" (35.56)	03310005
1.50"-1.74" (3.81-4.42)	5,800 (25,798)	9" (22.86)	15" (38.10)	03310006
1.75" -1.99" (4.44-5.05)	7,600 (33,805)	10" (25.40)	16" (40.64)	03310007
2.00"-2.49" (5.08-6.32)	9,000 (40,032)	10" (25.40)	19" (48.26)	03310008
2.50"-2.99" (6.35-7.59)	11,000 (48,928)	10" (25.40)	20" (50.80)	03310009
3.00"-3.49" (7.62-8.86)	12,000 (53,376)	12" (30.48)	21" (53.34)	03310010
3.50"-3.99" (8.89-10.13)	12,000 (53,376)	12" (30.48)	24" (60.96)	03310011

E-Eye length   M-Mesh length at nominal diameter
Note: Refer to page T-26 for multiple cables in a single pulling grip.

Low Tension Pulling Grips
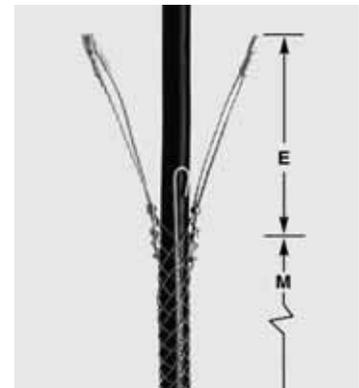
Flexible Eye, Single Weave, Galvanized Steel

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.

Light Duty Pulling Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.

Light Duty Grips

Cable Diameter Range Inches (cm.)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
Short				
.50"-.61" (1.27-1.55)	2,800 (12,454)	5" (12.70)	11" (27.94)	**03303001**
.62"-.74" (1.57-1.88)	2,800 (12,454)	5" (12.70)	11" (27.94)	**03303002**
.75"-.99" (1.90-2.51)	4,000 (17,792)	6" (15.24)	12" (30.48)	**03303003**
1.00"-1.24" (2.54-3.15)	5,300 (23,574)	7" (17.78)	13" (33.02)	**03303004**
1.25"-1.49" (3.17-3.78)	5,300 (23,574)	7" (17.78)	14" (35.56)	**03303005**
1.50"-1.74" (3.81-4.42)	6,800 (30,246)	8" (20.32)	15" (38.10)	**03303006**
1.75"-1.99" (4.44-5.05)	8,500 (37,808)	9" (22.86)	17" (43.18)	**03303007**
2.00"-2.49" (5.08-6.32)	8,500 (37,808)	9" (22.86)	18" (45.72)	**03303008**
Standard				
.50"-.61" (1.27-1.55)	2,800 (12,454)	5" (12.70)	16" (40.64)	**03303010**
.62"-.74" (1.57-1.88)	2,800 (12,454)	5" (12.70)	16" (40.64)	**03303011**
.75"-.99" (1.90-2.51)	4,000 (17,792)	6" (15.24)	20" (50.80)	**03303012**
1.00"-1.24" (2.54-3.15)	6,800 (30,246)	7" (17.78)	20" (50.80)	**03303013**
1.25"-1.49" (3.17-3.78)	6,800 (30,246)	7" (17.78)	21" (53.34)	**03303015**
1.50"-1.99" (3.81-5.05)	6,800 (30,246)	8" (20.32)	23" (58.42)	**03303016**
2.00"-2.49" (5.08-6.32)	8,500 (37,808)	9" (22.86)	25" (63.50)	**03303017**
2.50"-2.99" (6.35-7.59)	10,600 (47,149)	9" (22.86)	27" (68.58)	**03303018**
3.00"-3.49" (7.62-8.86)	14,700 (65,386)	10" (25.40)	30" (76.20)	**03303019**
3.50"-3.99" (8.89-10.13)	14,700 (65,386)	10" (25.40)	32" (81.28)	**03303029**

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.

Junior Grip Kit
Junior Grip Kit contains 6 grips, one of each size. Catalog number **033051114**.

Note: Refer to page T-27 for building wire selection chart.

Note: Refer to page T-26 for multiple cables in a single pulling grip.

Junior Pulling Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Model	Catalog Numbers
.19"-.24" (.48-.61)	400 (1,779)	3¼" (8.25)	4¼" (10.79)	J19	**03305011***
.25"-.36" (.63-.91)	450 (2,002)	3¼" (8.25)	4¼" (10.79)	J25	**03305001**
.37"-.49" (.94-1.24)	900 (4,003)	3¾" (9.52)	7" (17.78)	J37	**03305002**
.50"-.61" (1.27-1.55)	1,300 (5,782)	4¼" (10.79)	8½" (21.59)	J50	**03305003**
.62"-.74" (1.57-1.88)	1,950 (8,674)	5" (12.70)	10" (25.40)	J62	**03305004**
.75"-.99" (1.90-2.51)	2,800 (12,454)	5¾" (14.60)	10" (25.40)	J75	**03305005**
1.00"-1.24" (2.54-3.15)	3,900 (17,347)	6½" (16.51)	11½" (29.21)	J100	**03305006**

E-Eye length   M-Mesh length at nominal diameter.
*Not included in Junior Grip Kit, 033051114.

Wire Rope Splicing Grips

Triple, Double, Single Weave, Galvanized Steel

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.

Kellems® Wire Rope Grips are made of high strength galvanized steel strand in a construction of triple, double and single weave for superior gripping ability. They are available with or without a rotating barrel which will help eliminate twist in the old rope from being transferred to the new rope.

Regular Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Approx. Length Of Grip Feet (m)	Catalog Numbers
⁹⁄₁₆"- ⅝" (1.43-1.59)	7,500 (33,360)	5.75 (1.75)	**03316001**
¾"- ⅞" (1.90-2.22)	12,500 (55,600)	6.75 (1.90)	**03316002**
1"-1⅛" (2.54-2.86)	16,000 (71,168)	7.00 (2.13)	**03316003**
1¼"- 1⅜" (3.17-3.49)	20,000 (88,960)	8.00 (2.44)	**03316004**
1⅜"- 1½" (3.49-3.81)	20,000 (88,960)	8.00 (2.44)	**03316006**

Rotating Wire Rope Grips

Cable Diameter Range (cm)	Approx. Breaking Strength Lbs. (N)	Approx. Length Of Grip Feet (m)	Barrel Dimensions Lgth. x O.D. In. (cm)	Catalog Numbers
⁷⁄₁₆"- ½" (1.11-1.27)	5,000 (22,240)	5.33 (1.63)	3.00" (7.62) x .87" (2.21)	**03317001**
⁹⁄₁₆"- ⅝" (1.43-1.59)	7,500 (33,360)	5.83 (1.78)	4.25" (10.79) x 1.00" (2.54)	**03317002**
¾"- ⅞" (1.90-2.22)	12,500 (55,600)	6.50 (1.98)	4.25" (10.79) x 1.00" (2.54)	**03317003**
1"- 1⅛" (2.54-2.86)	16,000 (71,168)	8.67 (2.64)	5.50" (13.97) x 1.37" (3.48)	**03317004**
1¼"- 1⅜" (3.17-3.49)	20,000 (88,960)	9.00 (2.74)	5.50" (13.97) x 1.37" (3.48)	**03317005**
1½"- 1¾" (3.81-4.44)	20,000 (88,960)	11.00 (3.35)	5.50" (13.97) x 1.37" (3.48)	**03317006**

Cable Splicing Grips

Double Weave, Galvanized Steel / Single Weave, Galvanized Steel

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.

Splicing Grip
Splicing Grips are made of galvanized steel in double weave mesh construction. They are available in various lengths and sizes to suit most applications.

Double Weave Tube

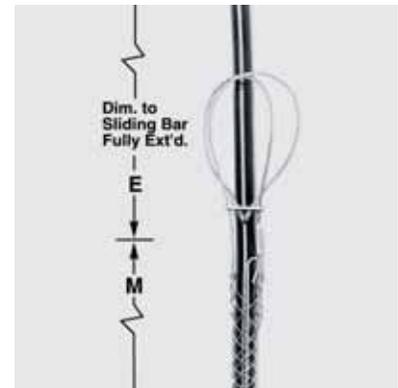| Cable Diameter Range Inches (cm)	.37"-.49" (.94-1.24)	.50"-.61" (1.27-1.55)	.62"-.74" (1.57-1.88)	.75"-.99" (1.90-2.51)	1.00"-1.49" (2.54-3.78)
Approx. Breaking Strength Lbs. (N)	3,500 (15,568)	3,500 (15,568)	4,400 (19,571)	7,500 (33,360)	10,000 (44,480)
Mesh Length Inches (cm)	**Catalog Numbers**				
18" (45.72)	013041330	01304064	01304009	•	•
24" (60.96)	•	01304011	01304013	01304010	01304015
36" (91.44)	•	•	013041234	01304054	01304055
48" (121.92)	•	•	•	01304017	01304029
72" (182.88)	•	•	•	01304037	013041333

Junior Splicing Grips, Single Weave
Junior Splicing Grips are made of galvanized steel and are designed for use in very light duty and small splicing jobs.

Junior Tube

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Length @ Nom Diameter Inches (cm)	Catalog Numbers
.18"-.24" (.46-.61)	400 (1,779)	7" (17.78)	01301008
.25"-.36" (.63-.91)	400 (1,779)	8" (20.32)	01301013

Kellems® Wire Management Products
Tools and Bands
Pulling Grips Accessories

Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.

When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. Bands should be applied to the ends of the grips as illustrated herein. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves.The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action.

Punch-Lok Bands

Grip Banding Range Inches (cm)	Band Width Inches (cm)	Band Inside Diameter Inches (cm)	Model	Catalog Numbers
¼"-1⅛" (.63-2.86)	⅜" (.95)	1⅜" (3.49)	0-311	20320050
1⅛"-1⅝" (2.86-4.13)	⅜" (.95)	2" (5.08)	0-316	20320051
1⅝"-2¼" (4.13-5.71)	⅝" (1.59)	2½" (6.35)	0-10	20320052
2¼"-3½" (5.71-8.89)	⅝" (1.59)	4" (10.16)	0-16	20320053
3½"-5" (8.89-12.70)	⅝" (1.59)	6" (15.24)	0-24	20320054

Accessories

Punch-Lok Tools

Description	Catalog Numbers
P-1000 ⅝" width Banding tool.	20320048
P-38 ⅜" and ⅝" width Banding tool for tight spaces.	20320047

Note: In all cases two Punch-Lok Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release.

Punch-Lok® is a registered trademark of Punch-Lok Inc.

Kellems® Wire Management Products
Swivels
Pulling Grips Accessories

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-17 through T-27.
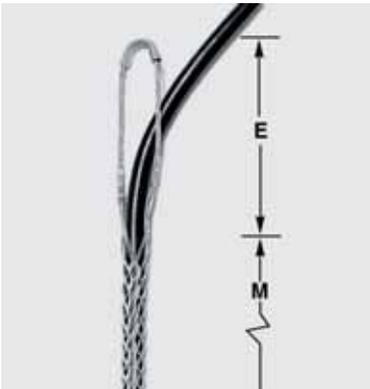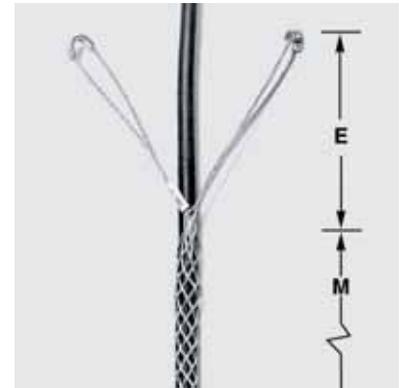

20308001A

Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag. Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines.

Swivels

Maximum Safe Working Load Lbs. (N)	A	B	Dimensions in Inches (cm) C	D	E	F	G	Model	Catalog Numbers
2,250 (10,000)	⅞" (2.22)	2½" (6.35)	3⅜" (8.57)	⁷⁄₁₆" (1.11)	⅜" (0.95)	⁵⁄₁₆" (0.79)	³¹⁄₃₂" (2.46)	A-13L	**20308001A**
5,000 (22,240)	1¼" (3.17)	3¹¹⁄₁₆" (9.37)	4¾" (12.06)	1⁷⁄₃₂" (1.35)	1⁷⁄₃₂" (1.35)	1³⁄₃₂" (1.03)	1⁹⁄₃₂" (3.25)	BB-13L	**20308002A**
9,000 (40,030)	1½" (3.81)	4¼" (10.79)	5⅝" (14.29)	1¹⁄₁₆" (1.75)	1⁹⁄₃₂" (1.51)	½" (1.27)	1⁹⁄₁₆" (3.97)	B-13L	**20308003A**
10,000 (44,480)	1⅝" (4.13)	4½" (11.43)	6" (15.24)	¾" (1.90)	1¹⁄₁₆" (1.75)	⅝" (1.59)	1²³⁄₃₂" (4.36)	C-13L	**20308004A**
30,000 (133,440)	2⅜" (6.03)	7⅝" (19.37)	10" (25.40)	1³⁄₁₆" (3.02)	1¹⁄₃₂" (2.62)	⅞" (2.22)	2²⁵⁄₃₂" (7.06)	D-13L	**20308005A**

HUBBELL® *Wiring Device-Kellems* www.hubbell-wiring.com *Dimensions in Inches (mm)*

Technical Information
Pulling Grips

Kellems Pulling Grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts, conduit, blocks and sheaves. Kellems Pulling Grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

CAUTION: It is very important to comply with all of the following precautions. Failure to do so may result in property damage, personal injury or death.

1. Pulling grips are to be installed by a qualified individual in accordance with all applicable national and local safety, electrical and rigging codes.
2. Ensure that the correct grip is selected for your specific needs.
3. Do not use a pulling grip for any application other than pulling cable.
4. Thoroughly examine the grip for damage. Do not use a damaged grip.
5. Ensure that the recommended work load of the grip is suitable for the application. Never use grips at their approximated rated breaking strength. A safety factor of 5 is recommended for pulling grips.
6. Do not alter grips in any way. For example, do not modify pulling eyes, shoulders, fittings or lugs.
7. Do not attach any type of pulling hardware to any point on the grip other than the pulling eye. The pulling eye is the only acceptable means of attachment to external hardware.
8. Always apply 2 bands at 1" and 2" respectively, from the tail end of the mesh to guard against accidental release of the grip. Accidental release can occur if an object contracts and pushes against the tail end of the mesh, thereby expanding and releasing it's hold.

Select The Correct Pulling Grip

Each Kellems Grip is designed to work on a specific range of cable diameters.

Step 1	Refer to the chart below to determine the style of grip best suited for your application.
Step 2	Determine your cable outside diameter.
Step 3	Find the grip size that encompasses your cable diameter.
Step 4	Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page T-18 for safety and working load factors.

Pulling Grip Selection Chart

Grip Style	Application	Page Numbers
DUA-PULL®, flexible eye	Extra high strength overhead transmission line stringing for bare or insulated conductor and synthetic rope.	T-6
Multiple strength, flexible eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	T-7
Multiple strength, rotating eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	T-7
K-type grip, rotating eye	Underground power cables and communication lines. Service lines into factories.	T-8
T-type grip, flexible eye	Underground power cables and communication lines. Service lines into factories.	T-9
Non-conductive, flexible eye	Pull insulated distribution cable into place.	T-10
Slack pulling, closed mesh	Remove underground cable. For pulling slack in final placement of new cable when end of cable is available.	T-10
Slack pulling, split mesh, rawhide lace closing	Remove underground cable. For pulling slack in final placement of new cable when end of cable is not available.	T-11
Slack pulling, split mesh, rod closing	Remove underground cable. For pulling slack in final placement of new cable when end of cable is not available, with rod closing for quick installation.	T-11
Light duty, flexible eye	Light pulling, underground electrical construction. Industrial plant wiring and rewiring jobs.	T-12
Junior, flexible eye	Connect bundled insulated building wire to a pulling tape. Pull wire through conduit.	T-12
Regular and rotating wire rope	Restring wire rope in cranes and oil rigs.	T-13
Splicing	Temporary splice for cable or wire rope.	T-14
Pulling Grip Accessories	Tools, bands, swivels.	T-15, T-16
Fiber Optic Cable Pulling Grips	Pull fiber optic cable into place overhead, underground or through duct and conduit.	T-50, T-51, T-52

Kellems® Wire Management Products
Technical Information
Pulling Grips

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables

of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized. **Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.** Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Rec. Load Lbs. (N)	Catalog Numbers
Pulling Grips	27,200 (120,986)	5	5,440 (24,197)	**03301027**
Support Grips	1,610 (7,161)	10	161 (716)	**02201018**

The maximum recommended working load then is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable for the application.

The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

Pulling Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Pulling grips • Wire rope grips • Splicing grips
Non-metallic strand	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• Non-conductive pulling grips

Approvals

UL and CSA Certification is indicated on appropriate product catalog pages.

Overhead Pulling DUA-PULL® Grips

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function of working with both bare and insulated conductors and synthetic rope, not provided by any other grip. Kellems' patented two-over, two-under weave design gives exceptional strength and gripping ability by putting more steel mesh in contact with the cable or rope surfaces.

THIS IS THE ONLY PULLING GRIP RECOMMENDED FOR USE ON SYNTHETIC ROPE.

Application

The DUA-PULL Grips are primarily used in overhead transmission line construction where loads and safety considerations require an extra high strength grip. They are most commonly used for attaching pulling lines to conductors, conductors to running boards and "double socking" for conductor-to-conductor connections. The DUA-PULL line accommodates ACSR, ACAR, all aluminum and copper conductors. Also, the grips accommodate ground wires, messenger strands, wire ropes and synthetic ropes.

Benefits

• Made of high strength galvanized steel strand.
• Recommended for pulling bare or insulated conductor, wire rope and synthetic rope.
• DUA-PULL mesh design offers the greatest holding power for all pulling applications.
• Each grip size is color coded for fast and accurate identification and selection.
• Will mate with swivels. See page T-16.

Feed Tubes

The Kellems Feed Tube is used when assembling synthetic rope into the DUA-PULL Grip. It is required on the largest two sizes of DUA-PULL Grips. Feed Tubes are available for use on all size DUA-PULL Grips.

Benefits

• Saves time, allowing fast, easy assembly.
• Can be reused if not damaged.

Notes: 1. Do not run grips or swivels over bullwheels while under tension.
2. Two Punch-Lok® bands should be firmly attached approximately one inch and two inches (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. See page T-15.
3. Double braided rope, as 2-in-1 type, should be back spliced for approximately 2/3 of the mesh length for best gripping results. Grip size should be selected by diameter of back splice.

Technical Information
Pulling Grips

Overhead Pulling Multiple Strength Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are made of high strength galvanized steel strand and feature a multi-weave mesh construction of single, double and triple weave for firm holding power.

Application

Kellems Multiple Strength Grips are ideal for overhead transmission and distribution line stringing where moderate loading is anticipated. They are economical tools for attaching conductors to pulling lines and double socking for conductor-to-conductor connections.

Rotating Eye Feature

Multiple Strength Grips are available with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined and will thread through blocks and sheaves without binding. The rotating eye is not a swivel and will not turn while under tension; it can turn to relieve pulling torque when tension is relaxed. If constant swivel action is required, a swivel should be used. For rotating eye dimensions, see page T-21. For swivels, see page T-16.

Flexible Eye Feature

Multiple Strength Grips are also available with a flexible, patented wire rope eye. This compact eye will mate with a swivel, and pass through blocks and sheaves without binding.

Benefits

• Economical, high strength pulling tool.
• Multi-weave construction provides greater strength and holding power.
• Endless Weave Grip end lies flat on the cable and will not snag.

Notes: 1. Do not run grips or swivels over bullwheels while under tension.

2. Two Punch-Lok® bands should be firmly attached approximately one inch and two inches (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. See page T-15.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Technical Information
Pulling Grips

Underground Pulling- K-Type and T-Type Grips

K-Type Application

Rotating Eye, K-Type Pulling Grips are specially designed for use in the installation of underground power cables, communication lines and service lines into factories, shopping centers, construction projects and general underground electrical construction.

Rotating Eye Feature

K-Type Grips come equipped with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined, and will thread through blocks and sheaves without binding. **The rotating eye is not a swivel and will not turn while under tension;** it can turn to relieve pulling torque when the tension is relaxed. If constant swivel action is required, a swivel should be used. For swivels, see page T-16.

Benefits

- An economical tool for pulling cable.
- Safe, rugged and dependable.
- Equipped with a rotating eye for spin out of pulling torque after load release.
- Easily installed and removed.

Rotating Eye Dimensions

Rotating Eye Dimensions inches (cm)	A	B	C	D	F
⅞" (2.22)	⅞" (2.22)	⁹⁄₃₂" (.71)	½" (1.27)	⅞" (2.22)	2⅝" (6.67)
1" (2.54)	1" (2.54)	½" (1.27)	⁹⁄₁₆" (1.43)	1³⁄₁₆" (2.06)	3½" (8.89)
1⅜" (3.49)	1⅜" (3.49)	½" (1.27)	¹¹⁄₁₆" (1.75)	1" (2.54)	4½" (11.43)
1⅝" (4.13)	1⅝" (4.13)	⅝" (1.59)	⅞" (2.22)	1³⁄₁₆" (3.02)	5⁵⁄₁₆" (13.49)
1⅞" (4.76)	1⅞" (4.76)	²¹⁄₃₂" (1.67)	1" (2.54)	1⅜" (3.49)	6⅛" (15.56)

T-Type

Kellems Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

Application

T-Type Pulling Grips are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls, and standard for general purpose pulling.

Benefits

- Will pull a single cable or cable bundles.
- Patented flexible eye design provides flexibility to follow line of pull.
- A dependable, reusable pulling tool.
- Easily installed and removed.
- Mates easily with a swivel. See page T-16.

Dimensions in Inches (mm)

Special Purpose Grips

Non-Conductive Pulling Grips

Kellems Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

Application

Kellems Non-Conductive Pulling Grips were developed for use by utilities for pulling overhead distribution lines in close proximity to energized lines and hardware.

Benefits

• Color coded for fast on-site selection.
• Extra flexibility for easy installation.
• Non-metallic mesh provides for safe pulls over "hot" areas.
• Pellethane jacketed aramid fiber mesh resists abrasion.
• Grips are corrosion resistant.

Notes: Taping is required to guard against accidental release and to insure maximum reliability. Apply vinyl plastic electrical tape starting 2" to 3" (5.08cm to 7.62cm) from the tail of the grip onto 2" to 3" (5.08cm to 7.62cm) of cable.

Slack Pulling Grips

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not, there are split lace and split rod closing styles. All grips feature single offset eye for easy attachment to a pulling line.

Application

Slack Grips are widely used in pulling slack for final placement of under ground cable after it has been pulled in. They are also used for removing cable. Standard mesh lengths are generally used in restricted space for short pulls. Longer lengths are used for higher pulling loads where space is not restricted.

Benefits

• Easy attachment to pulling lines.
• Reusable rawhide lace for lace closure.
• Galvanized steel for strength.

*Notes: 1. Replacement rawhide lace. Catalog number **20920002**.*
2. See page T-44 for lace and rod closing instructions.

Technical Information
Pulling Grips

Commercial Construction/Light Duty Grips

Light Duty Pulling Grips

Light Duty Pulling Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.

Application

Light Duty Grips are used in general underground electrical construction where pulling tensions are low. They are easy tools to use in wiring industrial plants and commercial buildings.

Benefits

• Perfect tools for light pulling jobs.
• Installs easily on cable.
• Strong, galvanized steel construction.

Junior Duty Pulling Grips

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.

Application

Designed to pull building wire, Junior grips are safe tools to use in pulling wire at low tension through conduit during electrical construction.

Benefits

• Installs easily over building wire.
• Strong secure grip.
• Reusable.
• Pulls single cable or cable bundles.

Junior Grip Kit

Junior Grip Kit contains 6 grips, one of each size. Catalog number **033051114**.

Note: Refer to page T-27 for building wire selection chart.

Kellems® Wire Management Products
Technical Information
Splicing Grips

Splicing Grips

Wire Rope Splicing

Kellems Wire Rope Grips are made of high strength galvanized steel strand in a construction of triple, double and single weave for superior gripping ability. They are available with or without a rotating barrel which will help eliminate twist in the old rope from being transferred to the new rope.

Application

Wire Rope Grips are used for changing wire rope on oil derricks, large cranes, overhead cranes and drag lines. It provides a quick, safe, inexpensive temporary splice. By installing the used wire rope in one end and the new rope in the other, the new wire rope can be pulled in as the old one is pulled out.

Benefits

• High strength for secure pulling.
• Easy installation.
• Flexible to pass through sheaves and blocks.

Notes: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page T-15 for end bands.
2. The rotating barrel is not a swivel and will not turn while under tension. It can turn to relieve pulling torque when tension is relaxed.

Cable Splicing

Splicing Grips are made of galvanized steel in double or single weave mesh construction. They are available in various lengths and sizes to suit most applications.

Application

Splicing Grips are used as a temporary splice for rope, cable or wire rope. They can also be used as cable reinforcement, and can act as a shield to protect cables and hoses from abrasion.

Benefits

• Easily installed or removed.
• Galvanized steel construction for strength.
• Flexible to follow cable path.

Notes   1. During installation, each end of the splicing grip should be banded and taped down securely to the cable to insure smooth passage with the cable and guard against accidental release.
2. See page T-15 for end bands.

Kellems® Wire Management Products
Technical Information
Punch-Lok® Bands and Swivels

Accessories

Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.

When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. Bands should be applied to the ends of the grips as illustrated on page T-15. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves.

The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action. The banding procedure is then followed as illustrated on page T-15.

Note: In all cases two Punch-Lok Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release.

Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag.

Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines as it passes through sheaves, wheels or blocks.

®Punch-Lok is a registered trademark of Punch-Lok Inc.

Technical Information
Pulling Grips

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.
3. Choose a grip offering a range of cable diameters the same as the cable diameter.

For Pulling Grips*

CAUTION: When a grip is used on multiple cables, the tail end of the grip should be banded after positioning on the cables.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

Number of Cables in One Grip

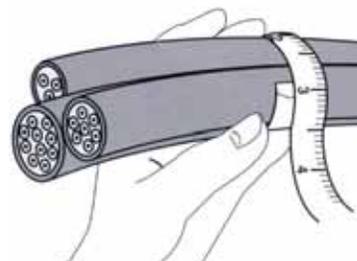| 2	3	4	5	6 and 7	8	9	Grip Dia.Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.60)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is not to be used for Conduit Riser Grips. Refer to the chart for Conduit Riser multiple cable section.*
It is always recommended that, when multiple cables are installed in a pulling grip, the tail end be banded and tightly taped after installation on the cable bundle. See page T-15 for end bands.

Technical Information
Junior Pulling Grips

Junior Pulling Grip Selection Chart

These charts are a general guide to assist in the selection of the correct Junior Pulling Grip for pulling various groupings of building wire. It is not intended to be restrictive inasmuch as the use of "dummy" wires (short pieces of wire used to fill out the Grip) or the tight taping of the wires into a compact bundle may increase or decrease the number of wires per Grip.

T.H.W.N., T.H.H.N. and X.H.H.W. Building Wire

Desc.	Cable Diameter Range In. (cm)	Approx. Breaking Strength Lbs. (N)	#14 19 Strand	#12 19 Strand	#10 19 Strand	#8 19 Strand	#6 19 Strand	#4 19 Strand	#3 19 Strand	#2 19 Strand	#1 37 Strand	#1/0 37 Strand	Catalog Numbers
			Approximate Number Of Wires In One Grip										
J 25	.25-.36 (.63-.91)	450 (2,002)	4-8	3-6	2-3	2	1	1	1	•	•	•	03305001
J 37	.37-.49 (.94-1.24)	900 (4,003)	9-16	6-11	4-6	3	2	•	•	1	1	1	03305002
J 50	.50-.61 (1.27-1.55)	1,300 (5,782)	16-25	11-17	7-10	4-5	3-4	2	2	•	•	•	03305003
J 62	.62-.74 (1.57-1.88)	1,950 (8,674)	26-37	18-25	11-14	6-8	5-6	3	3	2	2	•	03305004
J 75	.75-.99 (1.90-2.51)	2,800 (12,454)	37-66	26-47	15-27	9-16	6-11	4-7	4-5	3-4	3	2-3	03305005
J 100	1.00-1.24 (2.54-3.15)	3,900 (17,347)	66-104	47-74	28-43	16-24	11-17	8-10	6-8	5-7	4-5	4	03305006

R.H.H., R.H., R.W. and R.H.W. Building Wire

Desc.	Cable Diameter Range In. (cm)	Approx. Breaking Strength Lbs. (N)	#14 7 Strand	#12 7 Strand	#10 7 Strand	#8 7 Strand	#6 7 Strand	#4 7 Strand	#2 7 Strand	#1 19 Strand	#1/0 19 Strand	Catalog Numbers
			Approximate Number Of Wires In One Grip									
J 25	.25-.36 (.63-.91)	450 (2,002)	2	2	1	1	•	•	•	•	•	03305001
J 37	.37-.49 (.94-1.24)	900 (4,003)	3	2-3	2	•	1	1	1	•	•	03305002
J 50	.50-.61 (1.27-1.55)	1,300 (5,782)	4-5	4-5	3-4	2	•	•	•	1	•	03305003
J 62	.62-.74 (1.57-1.88)	1,950 (8,674)	6-8	6-7	4-5	3	2	2	•	•	1	03305004
J 75	.75-.99 (1.90-2.51)	2,800 (12,454)	9-16	8-14	6-10	4-6	3-4	3-4	2-3	2	•	03305005
J 100	1.00-1.24 (2.54-3.15)	3,900 (17,347)	16-24	15-22	11-16	7-10	5-7	4-6	4	3	2-3	03305006

T.H.W. Building Wire

Desc.	Cable Diameter Range In. (cm)	Approx. Breaking Strength Lbs. (N)	#14 7 Strand	#12 7 Strand	#10 7 Strand	#8 7 Strand	#6 7 Strand	#4 7 Strand	#2 7 Strand	#1 7 Strand	#1/0 19 Strand	Catalog Numbers
			Approximate Number Of Wires In One Grip									
J 25	.25-.36 (.63-.91)	450 (2,002)	2-4	2-3	2	1	1	1	•	•	•	03305001
J 37	.37-.49 (.94-1.24)	900 (4,003)	5-7	4-5	3-4	2	•	•	1	•	•	03305002
J 50	.50-.61 (1.27-1.55)	1,300 (5,782)	8-11	6-8	5-7	3-4	2	2	•	1	1	03305003
J 62	.62-.74 (1.57-1.88)	1,950 (8,674)	12-16	9-12	8-10	5-6	3-4	3	2	•	•	03305004
J 75	.75-.99 (1.90-2.51)	2,800 (12,454)	17-30	13-24	11-19	7-10	5-7	4-5	3-4	2	2	03305005
J 100	1.00-1.24 (2.54-3.15)	3,900 (17,347)	31-48	25-37	20-30	11-17	8-11	6-8	5-6	3-4	3	03305006

HUBBELL *Wiring Device-Kellems* www.hubbell-wiring.com

Kellems® Wire Management Products
Support Grips - Heavy Duty, Standard Duty, Light Duty
Tin-Coated Bronze/Stainless Steel

Solid eye assemblies provide eye reinforcement at support hardware.

Four eye styles available: single (shown), double, universal, and offset.

Identification tag shows: catalog number, diameter range, agency approval, and bar code.

The strand equalizer positions wires for equal loading throughout the entire grip length.

The positive action mesh grip is designed for light duty up to heavy duty. Closed grips fit over the cable end, split grips wrap around the cable mid-span. The standard material is nonmagnetic, tin-coated bronze. Selected items are available in stainless steel. For exceptional immunity to rust and corrosion with superior strength and flexibility for heavy duty support application in harsh environments. Contact the factory.

The endless weave provides easy installation onto cable and can be easily repositioned.

Kellems® Wire Management Products
Standard Duty Support Grips
Single Eye, Single Weave, Tin-Coated Bronze

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.

Single Eye, Closed Mesh

Single Eye, Split Mesh, Lace Closing

Single Eye, Split Mesh, Rod Closing

Single Eye, Closed Mesh*
For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	530 (2,357)	7" (17.78)	10" (25.40)	**02201013**
.63"-.74" (1.60-1.88)	790 (3,514)	8" (20.32)	10" (25.40)	**02201014**
.75"-.99" (1.90-2.51)	1,020 (4,537)	8" (20.32)	13" (33.02)	**02201015**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	9" (22.86)	14" (35.56)	**02201017**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	10" (25.40)	15" (38.10)	**02201018**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	12" (30.48)	17" (43.18)	**02201019**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	14" (35.56)	19" (48.26)	**02201020**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	16" (40.64)	21" (53.34)	**02201021**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	18" (45.72)	23" (58.42)	**02201022**
3.00"-3.49" (7.62-8.86)	4,900 (21,795)	21" (53.34)	25" (63.50)	**02201023**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	24" (60.96)	27" (68.58)	**02201024**

Single Eye, Split Mesh, Lace Closing*
For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	530 (2,357)	7" (17.78)	10" (25.40)	**02202013**
.63"-.74" (1.60-1.88)	790 (3,514)	8" (20.32)	10" (25.40)	**02202014**
.75"-.99" (1.90-2.51)	1,020 (4,537)	8" (20.32)	13" (33.02)	**02202015**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	9" (22.86)	14" (35.56)	**02202017**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	10" (25.40)	15" (38.10)	**02202018**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	12" (30.48)	17" (43.18)	**02202019**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	14" (35.56)	19" (48.26)	**02202020**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	16" (40.64)	21" (53.34)	**02202021**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	18" (45.72)	23" (58.42)	**02202022**
3.00"-3.49" (7.62-8.86)	4,900 (21,795)	21" (53.34)	25" (63.50)	**02202023**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	24" (60.96)	27" (68.58)	**02202024**

Single Eye, Split Mesh, Rod Closing*
For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	790 (3,514)	7" (17.78)	8.5" (21.59)	**02203013**
.63"-.74" (1.60-1.88)	790 (3,514)	8" (20.32)	8.5" (21.59)	**02203014**
.75"-.99" (1.90-2.51)	1,020 (4,537)	8" (20.32)	10.5" (26.67)	**02203015**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	9" (22.86)	12.5" (31.75)	**02203017**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	10" (25.40)	14.5" (36.83)	**02203018**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	12" (30.48)	15.5" (39.37)	**02203019**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	14" (35.56)	16.5" (41.91)	**02203020**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	16" (40.64)	19.5" (49.53)	**02203021**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	18" (45.72)	21.5" (54.61)	**02203022**
3.00"-3.49" (7.62-8.86)	5,750 (25,576)	21" (53.34)	23.5" (59.69)	**02203023**
3.50"-3.99" (8.89-10.13)	5,750 (25,576)	24" (60.96)	25.5" (64.77)	**02203024**

E-Eye length   M-Mesh length at nominal diameter

* Change catalog number from 022 to 024 for stainless steel. Consult factory for availability.

Standard Duty Support Grips

Double Eye, Single Weave, Tin-Coated Bronze

Double Eye, Closed Mesh*

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	530 (2,357)	4" (10.16)	10" (25.40)	**02201001**
.63"-.74" (1.60-1.88)	790 (3,514)	4" (10.16)	10" (25.40)	**02201002**
.75"-.99" (1.90-2.51)	1,020 (4,537)	4" (10.16)	13" (33.02)	**02201003**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	5" (12.70)	14" (35.56)	**02201005**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	5" (12.70)	15" (38.10)	**02201006**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	5" (12.70)	17" (43.18)	**02201007**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	6" (15.24)	19" (48.26)	**02201008**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	6" (15.24)	21" (53.34)	**02201009**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	6" (15.24)	23" (58.42)	**02201010**
3.00"-3.49" (7.62-8.86)	4,900 (21,795)	8" (20.32)	25" (63.50)	**02201011**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	8" (20.32)	27" (68.58)	**02201012**

Double Eye, Split Mesh, Lace Closing*

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	530 (2,357)	4" (10.16)	10" (25.40)	**02202001**
.63"-.74" (1.60-1.88)	790 (3,514)	4" (10.16)	10" (25.40)	**02202002**
.75"-.99" (1.90-2.51)	1,020 (4,537)	4" (10.16)	13" (33.02)	**02202003**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	5" (12.70)	14" (35.56)	**02202005**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	5" (12.70)	15" (38.10)	**02202006**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	5" (12.70)	17" (43.18)	**02202007**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	6" (15.24)	19" (48.26)	**02202008**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	6" (15.24)	21" (53.34)	**02202009**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	6" (15.24)	23" (58.42)	**02202010**
3.00"-3.49" (7.62-8.86)	4,900 (21,795)	8" (20.32)	25" (63.50)	**02202011**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	8" (20.32)	27" (68.58)	**02202012**

Double Eye, Split Mesh, Rod Closing*

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	790 (3,514)	4" (10.16)	8.5" (21.59)	**02203001**
.63"-.74" (1.60-1.88)	790 (3,514)	4" (10.16)	8.5" (21.59)	**02203002**
.75"-.99" (1.90-2.51)	1,020 (4,537)	4" (10.16)	10.5" (26.67)	**02203003**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	5" (12.70)	12.5" (31.75)	**02203005**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	5" (12.70)	14.5" (36.83)	**02203006**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	5" (12.70)	15.5" (39.37)	**02203007**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	6" (15.24)	16.5" (41.91)	**02203008**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	6" (15.24)	19.5" (49.53)	**02203009**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	6" (15.24)	21.5" (54.61)	**02203010**
3.00"-3.49" (7.62-8.86)	5,750 (25,576)	8" (20.32)	23.5" (59.69)	**02203011**
3.50"-3.99" (8.89-10.13)	5,750 (25,576)	8" (20.32)	25.5" (64.77)	**02203012**

E-Eye length   M-Mesh length at nominal diameter

* Change catalog number from 022 to 024 for stainless steel. Consult factory for availability.

WARNING!
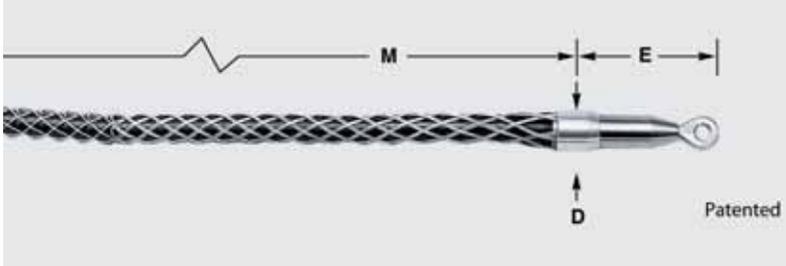
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.
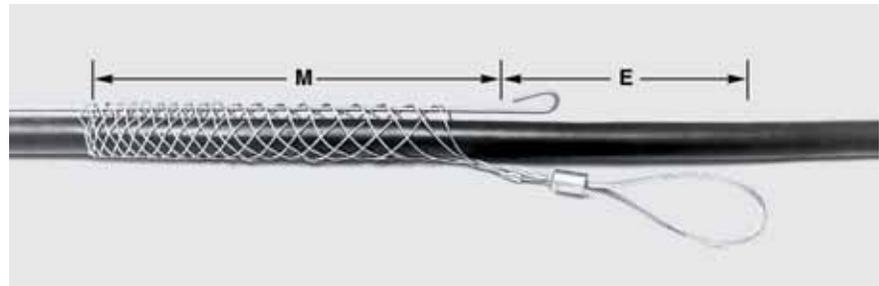

Double Eye, Closed Mesh

Double Eye, Split Mesh, Lace Closing

Double Eye, Split Mesh, Rod Closing

Kellems® Wire Management Products

Standard Duty Support Grips

Standard Duty Support Grips
Offset Eye, Single Weave, Tin-Coated Bronze

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.

Offset Eye, Closed Mesh

Offset Eye, Split Mesh, Lace Closing

Offset Eye, Split Mesh, Rod Closing

Offset Eye, Closed Mesh*
For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	500 (2,224)	4" (10.16)	10" (25.40)	02201037
.63"-.74" (1.60-1.88)	750 (3,336)	4" (10.16)	10" (25.40)	02201038
.75"-.99" (1.90-2.51)	950 (4,226)	4" (10.16)	13" (33.02)	02201039
1.00"-1.24" (2.54-3.15)	1,500 (6,672)	5" (12.70)	14" (35.56)	02201041
1.25"-1.49" (3.17-3.78)	1,500 (6,672)	5" (12.70)	15" (38.10)	02201042
1.50"-1.74" (3.81-4.42)	1,500 (6,672)	5" (12.70)	17" (43.18)	02201043
1.75"-1.99" (4.44-5.05)	2,000 (8,896)	6" (15.24)	19" (48.26)	02201044
2.00"-2.49" (5.08-6.32)	3,100 (13,789)	9" (22.86)	21" (53.34)	02201045
2.50"-2.99" (6.35-7.59)	3,100 (13,789)	9" (22.86)	23" (58.42)	02201046
3.00"-3.49" (7.62-8.86)	3,800 (16,902)	11" (27.94)	25" (63.50)	02201047
3.50"-3.99" (8.89-10.13)	3,800 (16,902)	11" (27.94)	27" (68.58)	02201048

Offset Eye, Split Mesh, Lace Closing*
For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	500 (2,224)	4" (10.16)	10" (25.40)	02202037
.63"-.74" (1.60-1.88)	750 (3,336)	4" (10.16)	10" (25.40)	02202038
.75"-.99" (1.90-2.51)	950 (4,226)	4" (10.16)	13" (33.02)	02202039
1.00"-1.24" (2.54-3.15)	1,500 (6,672)	5" (12.70)	14" (35.56)	02202041
1.25"-1.49" (3.17-3.78)	1,500 (6,672)	5" (12.70)	15" (38.10)	02202042
1.50"-1.74" (3.81-4.42)	1,500 (6,672)	5" (12.70)	17" (43.18)	02202043
1.75"-1.99" (4.44-5.05)	2,000 (8,896)	6" (15.24)	19" (48.26)	02202044
2.00"-2.49" (5.08-6.32)	2,150 (9,563)	9" (22.86)	21" (53.34)	02202045
2.50"-2.99" (6.35-7.59)	2,150 (9,563)	9" (22.86)	23" (58.42)	02202046
3.00"-3.49" (7.62-8.86)	3,800 (16,902)	11" (27.94)	25" (63.50)	02202047
3.50"-3.99" (8.89-10.13)	3,800 (16,902)	11" (27.94)	27" (68.58)	02202048

Offset Eye, Split Mesh, Rod Closing*
For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	500 (2,224)	4" (10.16)	7" (17.78)	02203037
.63"-.74" (1.60-1.88)	750 (3,336)	4" (10.16)	9" (22.86)	02203038
.75"-.99" (1.90-2.51)	950 (4,226)	4" (10.16)	10" (25.40)	02203039
1.00"-1.24" (2.54-3.15)	1,500 (6,672)	5" (12.70)	12" (30.48)	02203041
1.25"-1.49" (3.17-3.78)	1,500 (6,672)	5" (12.70)	14" (35.56)	02203042
1.50"-1.74" (3.81-4.42)	1,500 (6,672)	5" (12.70)	15" (38.10)	02203043
1.75"-1.99" (4.44-5.05)	2,000 (8,896)	6" (15.24)	16" (40.64)	02203044
2.00"-2.49" (5.08-6.32)	3,100 (13,789)	9" (22.86)	19" (48.26)	02203045
2.50"-2.99" (6.35-7.59)	3,100 (13,789)	9" (22.86)	20" (50.80)	02203046
3.00"-3.49" (7.62-8.86)	4,300 (19,126)	11" (27.94)	21" (53.34)	02203047
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	11" (27.94)	21" (53.34)	02203048

E-Eye length   *M-Mesh length at nominal diameter*

* Change catalog number from 022 to 024 for stainless steel. Consult factory for availability.

Standard Duty Support Grips
Universal Eye, Single Weave, Tin-Coated Bronze

Universal Eye, Closed Mesh*
For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	530 (2,357)	18" (45.72)	10" (25.40)	**02201051**
.63"-.74" (1.60-1.88)	790 (3,514)	18" (45.72)	10" (25.40)	**02201052**
.75"-.99" (1.90-2.51)	1,020 (4,537)	18" (45.72)	13" (33.02)	**02201053**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	18" (45.72)	14" (35.56)	**02201050**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	18" (45.72)	15" (38.10)	**02201054**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	18" (45.72)	17" (43.18)	**02201055**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	18" (45.72)	19" (48.26)	**02201056**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	18" (45.72)	21" (53.34)	**02201057**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	18" (45.72)	23" (58.42)	**02201058**

Universal Eye, Split Mesh, Lace Closing*
For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	530 (2,357)	18" (45.72)	10" (25.40)	**02202050**
.63"-.74" (1.60-1.88)	790 (3,514)	18" (45.72)	10" (25.40)	**02202051**
.75"-.99" (1.90-2.51)	1,020 (4,537)	18" (45.72)	13" (33.02)	**02202052**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	18" (45.72)	14" (35.56)	**02202054**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	18" (45.72)	15" (38.10)	**02202055**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	18" (45.72)	17" (43.18)	**02202056**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	18" (45.72)	19" (48.26)	**02202057**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	18" (45.72)	21" (53.34)	**02202058**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	18" (45.72)	23" (58.42)	**02202059**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	18" (45.72)	27" (68.58)	**02202061**

Universal Eye, Split Mesh, Rod Closing*
For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.50"-.62" (1.27-1.57)	790 (3,514)	18" (45.72)	8.5" (21.59)	**02203064**
.63"-.74" (1.60-1.88)	790 (3,514)	18" (45.72)	8.5" (21.59)	**02203065**
.75"-.99" (1.90-2.51)	1,020 (4,537)	18" (45.72)	10.5" (26.67)	**02203066**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	18" (45.72)	12.5" (31.75)	**02203068**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	18" (45.72)	14.5" (36.83)	**02203069**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	18" (45.72)	15.5" (39.37)	**02203070**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	18" (45.72)	16.5" (41.91)	**02203071**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	18" (45.72)	19.5" (49.53)	**02203072**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	18" (45.72)	21.5" (54.61)	**02203073**
3.00"-3.49" (7.62-8.86)	5,750 (25,576)	18" (45.72)	23.5" (59.69)	**02203074**

E-Eye length   M-Mesh length at nominal diameter

* Change catalog number from 022 to 024 for stainless steel. Consult factory for availability.

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.

Universal Eye, Closed Mesh

Universal Eye, Split Mesh, Lace Closing

Universal Eye, Split Mesh, Rod Closing

Heavy Duty Support Grips
Single Eye, Double Weave, Tin-Coated Bronze

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.

Heavy Duty, Single Eye, Closed Mesh

Heavy Duty, Single Eye, Closed Mesh*
For heavy duty permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.75"-.99" (1.90-2.51)	2,820 (12,543)	10" (25.40)	25" (63.50)	**02206010**
1.00"-1.24" (2.54-3.15)	4,280 (19,037)	12" (30.48)	28" (71.12)	**02206011**
1.25"-1.49" (3.17-3.78)	4,280 (19,037)	12" (30.48)	30" (76.20)	**02206012**
1.50"-1.99" (3.81-5.05)	4,280 (19,037)	12" (30.48)	34" (86.36)	**02206013**

Single Eye, Split Mesh, Lace Closing

Single Eye, Split Mesh, Lace Closing*
For permanent support when cable end is not available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.75"-.99" (1.90-2.51)	2,820 (12,543)	10" (25.40)	25" (63.50)	**02207010**
1.00"-1.24" (2.54-3.15)	4,280 (19,037)	12" (30.48)	28" (71.12)	**02207011**
1.25"-1.49" (3.17-3.78)	4,280 (19,037)	12" (30.48)	30" (76.20)	**02207012**
1.50"-1.99" (3.81-5.05)	4,280 (19,037)	12" (30.48)	34" (86.36)	**02207013**

E-Eye length   M-Mesh length at nominal diameter

* Change catalog number from 022 to 024 for stainless steel. Consult factory for availability.

Heavy Duty Support Grips
Double Eye, Double Weave, Tin-Coated Bronze

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.

Double Eye, Closed Mesh*
For permanent support when cable end is not available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.75"- .99"(1.90-2.51)	2,820 (12,543)	10" (25.40)	25" (63.50)	**02206001**
1.00"-1.24" (2.54-3.15)	4,280 (19,037)	10" (25.40)	28" (71.12)	**02206002**
1.25"-1.49" (3.17-3.78)	4,280 (19,037)	10" (25.40)	30" (76.20)	**02206003**
1.50"-1.99" (3.81-5.05)	4,280 (19,037)	10" (25.40)	34" (86.36)	**02206004**
2.00"-2.49" (5.08-6.32)	8,050 (35,806)	12" (30.48)	36" (91.44)	**02206005**
2.50"-2.99" (6.35-7.59)	8,050 (35,806)	12" (30.48)	38" (96.52)	**02206006**
3.00"-3.49" (7.62-8.86)	10,060 (44,747)	12" (30.48)	40" (101.60)	**02206007**
3.50"-3.99" (8.89-10.13)	12,070 (53,687)	12" (30.48)	44" (111.76)	**02206008**
4.00"-4.49" (10.16-11.40)	12,070 (53,687)	12" (30.48)	46" (116.84)	**02206009**
4.50"-4.99" (11.43-12.67)	12,070 (53,687)	12" (30.48)	68" (172.72)	**02208009**

Double Eye, Closed Mesh

Double Eye, Split Mesh, Lace Closing*
For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.75"-.99" (1.90-2.51)	2,820 (12,543)	10" (25.40)	25" (63.50)	**02207001**
1.00"-1.24" (2.54-3.15)	4,280 (19,037)	10" (25.40)	28" (71.12)	**02207002**
1.25"-1.49" (3.17-3.78)	4,280 (19,037)	10" (25.40)	30" (76.20)	**02207003**
1.50"-1.99" (3.81-5.05)	4,280 (19,037)	10" (25.40)	34" (86.36)	**02207004**
2.00"-2.49" (5.08-6.32)	8,050 (35,806)	12" (30.48)	36" (91.44)	**02207005**
2.50"-2.99" (6.35-7.59)	8,050 (35,806)	12" (30.48)	38" (96.52)	**02207006**
3.00"-3.49" (7.62-8.86)	10,060 (44,747)	12" (30.48)	40" (101.60)	**02207007**
3.50"-3.99" (8.89-10.13)	12,070 (53,687)	12" (30.48)	44" (111.76)	**02207008**
4.00"-4.49" (10.16-11.40)	12,070 (53,687)	12" (30.48)	46" (116.84)	**02207009**
4.50"-4.99" (11.43-12.67)	12,070 (53,687)	12" (30.48)	68" (172.72)	**02209009**

Double Eye, Split Mesh, Lace Closing

E-Eye length   M-Mesh length at nominal diameter

* Change catalog number from 022 to 024 for stainless steel. Consult factory for availability.

Service Drop Grips
Single Eye, Tin-Coated Bronze

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.

Light Duty, Single Eye, Closed Mesh, Single Weave

Light Duty, Single Eye, Closed Mesh, Single Weave
For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.23"-.31" (.58-.79)	290 (1,290)	3" (7.62)	3.75" (9.52)	02216001
.29"-.37" (.74-.94)	290 (1,290)	5" (12.70)	4.25" (10.79)	02216002
.35"-.44" (.89-1.12)	500 (2,224)	5.5" (13.97)	4.75" (12.06)	02216003
.41"-.50" (1.04-1.27)	500 (2,224)	5.5" (13.97)	5" (12.70)	02216004
.46"-.56" (1.17-1.42)	660 (2,936)	6" (15.24)	5.25" (13.33)	02216005
.52"-.62" (1.32-1.57)	790 (3,514)	7" (17.78)	6.25" (15.87)	02216006
.58"-.68" (1.47-1.73)	790 (3,514)	7" (17.78)	6½" (16.51)	02216007
.64"-.75" (1.63-1.90)	790 (3,514)	7" (17.78)	6.75" (17.14)	02216008
.70"-.81" (1.78-2.06)	790 (3,514)	7" (17.78)	7.25" (18.41)	02216009
.75"-.87" (1.90-2.21)	1,020 (4,537)	8" (20.32)	8" (20.32)	02216010
.81"-.94" (2.06-2.39)	1,020 (4,537)	8" (20.32)	8.25" (20.95)	02216011
.87"-1.00" (2.21-2.54)	1,020 (4,537)	8" (20.32)	8.75" (22.22)	02216012
.94"-1.06" (2.39-2.69)	1,020 (4,537)	9" (22.86)	9" (22.86)	02216013
1.00"-1.18" (2.54-3.00)	1,020 (4,537)	9" (22.86)	9.5" (24.13)	02216014
1.06"-1.25" (2.69-3.17)	1,020 (4,537)	9" (22.86)	9.5" (24.13)	02216015

Heavy Duty, Single Eye, Closed Mesh, Multi-Weave

Heavy Duty, Single Eye, Closed Mesh, Multi-Weave
For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.23"-.31" (.58-.79)	500 (2,224)	5" (12.70)	4.5" (11.43)	02217001
.29"-.37" (.74-.94)	500 (2,224)	5" (12.70)	5.5" (13.97)	02217002
.35"-.44" (.89-1.12)	870 (3,870)	6" (15.24)	6.5" (16.51)	02217003
.41"-.50" (1.04-1.27)	870 (3,870)	6" (15.24)	7.5" (19.05)	02217004
.46"-.56" (1.17-1.42)	1,050 (4,670)	6" (15.24)	8" (20.32)	02217005
.52"-.62" (1.32-1.57)	1,050 (4,670)	7" (17.78)	8.5" (21.59)	02217006
.58"-.68" (1.47-1.73)	1,050 (4,670)	7" (17.78)	9.5" (24.13)	02217007
.64"-.75" (1.63-1.90)	1,390 (6,183)	7" (17.78)	9.5" (24.13)	02217008
.70"-.81" (1.78-2.06)	1,390 (6,183)	8" (20.32)	10.5" (26.67)	02217009
.75"-.87" (1.90-2.21)	1,390 (6,183)	8" (20.32)	10.5" (26.67)	02217010
.81"-.94" (2.06-2.39)	1,390 (6,183)	8" (20.32)	10.5" (26.67)	02217011
.87"-1.00" (2.21-2.54)	1,790 (7,962)	8" (20.32)	11.5" (29.21)	02217012
.94"-1.06" (2.39-2.69)	1,790 (7,962)	9" (22.86)	12.5" (31.75)	02217013
1.00"-1.18" (2.54-3.00)	1,790 (7,962)	9" (22.86)	13.5" (34.29)	02217014
1.06"-1.25" (2.69-3.17)	1,790 (7,962)	9" (22.86)	14.5" (36.83)	02217015

E-Eye length *M-Mesh length at nominal diameter*

¼'' (.64)

⁵⁄₁₆'' (.80) Dia.

2'' (5.08)

4 ⅞'' (12.38)

Screw Hook No. 20303001 Yield Strength 900 lbs (4003 N)

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Service Drop Grips
Universal Eye, Tin-Coated Bronze

Light Duty, Universal Eye, Closed Mesh, Single Weave
For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.23"-.31" (.58-.79)	290 (1,290)	9" (22.86)	3.75" (9.52)	**02216016**
.29"-.37" (.74-.94)	290 (1,290)	10" (25.40)	4.25" (10.79)	**02216017**
.35"-.44" (.89-1.12)	500 (2,224)	10" (25.40)	4.75" (12.06)	**02216018**
.41"-.50" (1.04-1.27)	500 (2,224)	11" (27.94)	5" (12.70)	**02216019**
.46"-.56" (1.17-1.42)	660 (2,936)	12" (30.48)	5.25" (13.33)	**02216020**
.52"-.62" (1.32-1.57)	790 (3,514)	13" (33.02)	6.25" (15.87)	**02216021**
.58"-.68" (1.47-1.73)	790 (3,514)	13" (33.02)	6.5" (16.51)	**02216022**
.64"-.75" (1.63-1.90)	790 (3,514)	13" (33.02)	6.75" (17.14)	**02216023**
.70"-.81" (1.78-2.06)	790 (3,514)	13" (33.02)	7.25" (18.41)	**02216024**
.75"-.87" (1.90-2.21)	1,020 (4,537)	14" (35.56)	8" (20.32)	**02216025**
.81"-.94" (2.06-2.39)	1,020 (4,537)	14" (35.56)	8.25" (20.95)	**02216026**
.87"-1.00" (2.21-2.54)	1,020 (4,537)	14" (35.56)	8.75" (22.22)	**02216027**
.94"-1.06" (2.39-2.69)	1,020 (4,537)	15" (38.10)	9" (22.86)	**02216028**
1.00"-1.18" (2.54-3.00)	1,020 (4,537)	15" (38.10)	9.5" (24.13)	**02216029**
1.06"-1.25" (2.69-3.17)	1,020 (4,537)	15" (38.10)	9.5" (24.13)	**02216030**

Heavy Duty, Universal Eye, Closed Mesh, Multi-Weave
For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.23"-.31" (.58-.79)	500 (2,224)	11" (27.94)	4.5" (11.43)	**02217016**
.28"-.37" (.74-.94)	500 (2,224)	11" (27.94)	5.5" (13.97)	**02217017**
.35"-.44" (.89-1.12)	870 (3,870)	12" (30.48)	6.5" (16.51)	**02217018**
.41"-.50" (1.04-1.27)	870 (3,870)	12" (30.48)	7.5" (19.05)	**02217019**
.46"-.56" (1.17-1.42)	1,050 (4,670)	12" (30.48)	8" (20.32)	**02217020**
.52"-.62" (1.32-1.57)	1,050 (4,670)	13" (33.02)	8.5" (21.59)	**02217021**
.58"-.68" (1.47-1.73)	1,050 (4,670)	13" (33.02)	9.5" (24.13)	**02217022**
.64"-.75" (1.63-1.90)	1,390 (6,183)	13" (33.02)	9.5" (24.13)	**02217023**
.70"-.81" (1.78-2.06)	1,390 (6,183)	14" (35.56)	10.5" (26.67)	**02217024**
.75"-.87" (1.90-2.21)	1,390 (6,183)	14" (35.56)	10.5" (26.67)	**02217025**
.81"-.94" (2.06-2.39)	1,390 (6,183)	14" (35.56)	10.5" (26.67)	**02217026**
.87"-1.00" (2.21-2.54)	1,790 (7,962)	14" (35.56)	11.5" (29.21)	**02217027**
.94"-1.06" (2.39-2.69)	1,790 (7,962)	15" (38.10)	12.5" (31.75)	**02217028**
1.00"-1.18" (2.54-3.00)	1,790 (7,962)	15" (38.10)	13.5" (34.29)	**02217029**
1.06"-1.25" (2.69-3.17)	1,790 (7,962)	15" (38.10)	14.5" (36.83)	**02217030**

E-Eye length   M-Mesh length at nominal diameter.

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.

Light Duty, Universal Eye, Closed Mesh, Single Weave

Heavy Duty, Universal Eye, Closed Mesh, Multi-Weave

Kellems® Wire Management Products

Service Drop Grips

Kellems® Wire Management Products
Bus Drop Support Grips
Single Eye, Universal Eye, Galvanized Steel

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-46.

Single Eye, Wide Range

Universal Eye, Wide Range

Safety Spring diagram with Strain Relief Grip, Bus Drop Grips, Strain Relief Grip, Motor Box

Safety Spring

Maximum Deflection Inches/Lbs (cm/N)	Approx. Breaking Strength Lbs. (N)	Length* Inches (cm)	Diameter Inches (cm)	Model Lbs. (N)	Catalog Numbers
2¾" at 40 lbs. (6.98 cm at 178 N)	500 (2,224)	8.25" (20.95)	.75" (1.90)	40 lb. spring (178)	**20302001**
3⅛" at 80 lbs. (7.94 cm at 356 N)	850 (3,781)	8.25" (20.95)	1" (2.54)	80 lb. spring (356)	**20302002**

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

*Note: * No load.*

Single Eye, Wide Range

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.24"–.32" (.61–.81)	350 (1,557)	3" (7.62)	3.5" (8.89)	**073041276****
.32"–.43" (.81–1.09)	450 (2,002)	4" (10.16)	4" (10.16)	**073041277**
.43"–.56" (1.09–1.42)	550 (2,446)	6" (15.24)	4.75" (12.06)	**073041278**
.56"–.73" (1.42–1.85)	1,000 (4,448)	7" (17.78)	6" (15.24)	**073041279**
.73"–.85" (1.85–2.16)	1,400 (6,227)	7" (17.78)	6.75" (17.14)	**073041280**
.85"–1.00" (2.16–2.54)	1,400 (6,227)	8" (20.32)	8" (20.32)	**073041281**
1.00"–1.25" (2.54–3.17)	1,500 (6,672)	9" (22.86)	9.5" (24.13)	**073041282**

Universal Eye, Wide Range

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
.32"–.43" (.81–1.09)	450 (2,002)	10" (25.40)	4" (10.16)	**073041284**
.43"–.56" (1.09–1.42)	550 (2,446)	12" (30.48)	4.75" (12.06)	**073041285**
.56"–.73" (1.42–1.85)	1,000 (4,448)	13" (33.02)	6" (15.24)	**073041286**
.73"–.85" (1.85–2.16)	1,400 (6,227)	13" (33.02)	6.75" (17.14)	**073041287**
.85"–1.00" (2.16–2.54)	1,400 (6,227)	14" (35.56)	8" (20.32)	**073041288**
1.00"–1.25" (2.54–3.17)	1,500 (6,672)	15" (38.10)	9.5" (24.13)	**073041289**

E-Eye length   M-Mesh length at nominal diameter

Note: Item indicated with an ** is not UL listed.

Bus Drop Grips and Safety Springs

Kellems Bus Drop Grips are offered with either a single eye or universal bale attachment. The mesh is single weave galvanized steel with the patented wide range construction. They are suitable for indoor use only. Consult Technical Service for Stainless Steel Grips.

Application

Bus Drop Grips provide a safe, easy and economical method to support flexible cord or bus drop cable at bus duct and other industrial areas.

Benefits

- Easily installed.
- Absorb tension, vibration and pull with no cable damage.
- Patented mesh construction.

Safety Spring

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

Wire Management Products
Conduit Riser Grips
Ring Type, Single Weave, Tin-Coated Bronze

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-47 and T-48.

Single Weave, Closed Mesh

Kellems® Conduit Riser Support Grips are available in closed mesh and in split mesh with lace or rod closures, to cover all applications including single cable or multiple wire support. Refer to technical section, T-47 for grip selection assistance for cable bundles. The standard material is tin-coated bronze strand. The grip is permanently fastened to a support ring, resulting in a one piece unit which will allow air ventilation within the conduit. This grip is ideal for supporting electrical cable in standard electrical rigid metal conduit and schedule 40 rigid PVC conduit. See page T-48 for ring dimensions. For permanent support when cable end is available to be installed through the grip.

Suitable For Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes Inches (cm)	.50"–.62" (1.27–1.57)	.63"–.74" (1.60–1–88)	.75"–.99" (1.90–2.51)	1.00"–1.24" (2.54–3.15)	1.25"–1.49" (3.17–3.78)	1.50"–1.74" (3.81–4.42)	1.75"–1.99" (4.44–5.05)	2.00"–2.49" (5.08–6.32)	2.50"–2.99" (6.35–7.59)	3.00"–3.49" (7.62–8.86)	3.50"–3.99" (8.89–10.13)
Model	R050	R062	R075	R100	R125	R150	R175	R200	R250	R300	R350
Length Inches (cm)	8" (20.32)	9" (22.86)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches — **Catalog Numbers / Approx. Breaking Strength Lbs. (N)**											
¾	02211106 530 (2,357)	•	•	•	•	•	•	•	•	•	•
1	02211100 490 (2,179)	02211101 790 (3,514)	•	•	•	•	•	•	•	•	•
1¼	02211001 450 (2,002)	02211002 740 (3,292)	02211003 1,030 (4,581)	•	•	•	•	•	•	•	•
1½	•	02211006 690 (3,069)	02211007 970 (4,315)	02211009 1,610 (7,161)	•	•	•	•	•	•	•
2	•	02211107 640 (2,847)	02211010 920 (4,092)	02211012 1,520 (6,761)	02211013 1,610 (7,161)	•	•	•	•	•	•
2½	•	•	•	•	02211017 1,510 (6,716)	02211018 1,610 (7,161)	02211019 2,150 (9,563)	•	•	•	•
3	•	•	•	02211022 1,340 (5,960)	02211023 1,400 (6,227)	02211024 1,490 (6,627)	02211025 1,990 (8,851)	02211026 3,260 (14,500)	•	•	•
3½	•	•	•	•	•	•	•	02211033 2,970 (13,211)	02211034 3,260 (14,500)	•	•
4	•	•	•	•	•	•	02211040 1,670 (7,248)	02211041 2,680 (11,921)	02211042 2,890 (12,855)	02211043 4,080 (18,148)	•
5	•	•	•	•	•	•	•	•	02211061 2,150 (9,563)	02211062 2,860 (12,721)	02211063 3,130 (13,922)
6	•	•	•	•	•	•	•	•	•	02211072 2,245 (9,986)	02211073 2,245 (9,986)

Note: Refer to page T-47 for multiple cables in a single conduit riser grip.

Conduit Riser Grips

Ring Type, Double Weave, Tin-Coated Bronze

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-47 and T-48.

Double Weave, Split Mesh, Lace Closing

Kellems® Conduit Riser Support Grips will support cable runs in vertical or sloping standard rigid conduit. The grip is fastened to a support ring which seats on the rim of the conduit. The entire grip is supported by the conduit itself and no other hardware is required. See page T-48 for ring dimensions. The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit. For permanent support when cable end is not available.

Suitable For Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes Inches (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	RS075	RS100	RS125	RS150	RS175	RS200	RS250	RS300	RS350
Length Inches (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches — Catalog Numbers / Approx. Breaking Strength Lbs. (N)									
1¼	02212003 1,580 (7,028)	•	•	•	•	•	•	•	•
1½	02212007 1,500 (6,672)	•	•	•	•	•	•	•	•
2	02212010 1,430 (6,361)	02212012 1,930 (8,585)	02212013 2,040 (9,074)	•	•	•	•	•	•
2½	•	•	02212017 1,910 (8,496)	02212018 2,040 (9,074)	•	•	•	•	•
3	•	•	02212023 1,780 (7,917)	02212024 1,890 (8,407)	02212025 2,520 (11,209)	02212026 4,300 (19,126)	•	•	•
3½	•	•	•	•	•	02212033 3,910 (17,392)	02212034 4,300 (19,126)	•	•
4	•	•	•	•	02212040 2,110 (9,385)	02212041 3,530 (15,701)	02212042 3,820 (16,991)	02212043 5,380 (23,930)	•
5	•	•	•	•	•	•	02212061 2,860 (12,721)	•	•
6	•	•	•	•	•	•	•	•	02212073 2,955 (13,144)

Note: Refer to page T-47 for multiple cables in a single conduit riser grip.

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Conduit Riser Grips

Ring Type, Single Weave, Tin-Coated Bronze

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-47 and T-48.

Single Weave, Split Mesh, Rod Closing Benefits

- Easy and fast to install.
- Will not damage electrical cable.
- Allows cable to expand or contract.
- Ideal way to hold cable in vertical conduit.
- Prevents cable creep in conduit.
- Helps prevent cable pullouts.
- The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit.
- For support when cable end is not available.

Suitable For Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes Inches (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"- 1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"-3.49" (7.62-8.86)	3.50"-3.99" (8.89-10.13)
Model	RR075	RR100	RR125	RR150	RR175	RR200	RR250	RR300	RR350
Length Inches (cm)	11" (27.94)	12" (30.48)	13" (33.02)	14" (35.56)	15" (38.10)	16" (40.64)	18" (45.72)	19" (48.26)	21" (53.34)
Conduit Sizes Inches — Catalog Numbers Approx. Breaking Strength Lbs. (N)									
1¼	02213003 1,020 (4,537)	•	•	•	•	•	•	•	•
1½	02213007 970 (4,315)	02213009 1,610 (7,161)	•	•	•	•	•	•	•
2	02213012 1,520 (6,761)	02213013 1,610 (7,161)	•	•	•	•	•	•	•
2½	•	•	02213017 1,510 (6,716)	02213018 1,610 (7,161)	•	•	•	•	•
3	•	•	02213023 1,400 (6,227)	02213024 1,490 (6,627)	02213025 1,990 (8,851)	02213026 3,260 (14,500)	•	•	•
3½	•	•	•	•	•	02213033 2,970 (13,211)	•	•	•
4	•	•	•	•	•	02213041 2,670 (11,876)	02213042 2,890 (12,855)	•	•

Note: Refer to page T-47 for multiple cables in a single conduit riser grip.

Kellems® Wire Management Products
Technical Information
Support Grips

Kellems Support Grips

Kellems Support Grips are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction. Kellems Support Grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 SST for severe service or unusual environmental conditions, are available on request.

Select the Correct Support Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the Kellems chart below to determine the grip style best suited for your application.

Step 2 Determine your cable outside diameter.

Step 3 Find the grip size that encompasses your cable diameter.

Step 4 Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.

Step 5 Where available, select an eye style that suits your needs.

Step 6 Select the proper material—tinned bronze or stainless steel*.

Step 7 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page T-43 for safety and working load considerations.

CAUTION: It is very important to comply with all of the following precautions.

1. Support grips are to be installed by a qualified individual in accordance with all applicable national and local safety, electrical and rigging codes.
2. Ensure that the correct grip is selected for your specific needs.
3. Do not use a support grip for any application other than supporting cable.
4. Thoroughly examine the grip for damage. Do not use a damaged grip.
5. Ensure that the recommended work load of the grip is suitable for the application. Never use grips at their approximated rated breaking strength. A safety factor of 10 is recommended for support grips.
6. Do not alter grips in any way. For example, do not flatten, straighten, bend or otherwise modify eye tubes, hooks, and strand equalizers.
7. Do not attach any type of hook, clamp or other hardware directly to the stranded bale of a "U" eye support grip. The formed eye tube is the only acceptable means of attachment to external hardware.
8. Always apply 2 bands at 1" and 2" respectively, from the tail end of the mesh to guard against accidental release of the grip. Accidental release can occur if an object contracts and pushes against the tail end of the mesh, thereby expanding and releasing it's hold.

Support Grip Selection Chart

Grip Styles	Application	Page
Closed mesh	Standard, permanent support, cable end available.	T-30 to T-38
Split lace closing	Standard, permanent support, cable end unavailable.	T-30 to T-35
Split rod closing	Standard, temporary support, cable end unavailable. Tape or band tail end of wire mesh grip after positioning for permanent support.	T-30 to T-33
Material*	Tin-coated bronze standard or stainless steel by special request.	T-30 to T-41
Standard support grips	Support vertical runs to 99 ft. loads to 600 lbs.	T-30 to T-33
Heavy duty grips	Support vertical runs over 100 ft. loads over 600 lbs.	T-34, T-35
Service drop	Light duty to support service entrance cable.	T-36, T-37
Bus drop	Light duty support, indoors only, on Bus drop cable.	T-38
Conduit riser	Support cable runs in rigid (Schedule 40) conduit.	T-39 to T-41
Fiber optic cable support grips	Support fiber optic cable.	T-53

* Most catalog listed support grips are made of tin-coated bronze strand. To order stainless steel support grips, change the first three catalog number digits from 022-0x-xxx to 024-0x-xxx. Consult Technical Service for details.

Eye Styles

Single   Double   Universal   Offset

Technical Information
Support Grips

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as

appropriate. Where the conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained, and inspected by the user at a frequency appropriate for the use and condition of the grip.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Rec. Load Lbs. (N)	Catalog Numbers
Pulling Grips	27,200 (120,986)	5	5,440 (24,197)	**03301027**
Support	1,610 (7,161)	10	161 (716)	**02202019**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable for the application.

The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

Support Grip Materials

Material	Feature	Grip Type
Tin-coated bronze wire	• Corrosion resistant for normal outside areas	• Support grips
	• Non-magnetic	• Service drop grips
	• Moderate strength	• Conduit riser grips
Stainless steel wire (302-304)	• High strength	• Support grips
	• Corrosion resistant	• Hose containment grips
Galvanized steel wire	• Slightly magnetic	• Bus drop grips
	• Not subject to continuous outside environment	

Approvals

CSA Certifications are indicated on appropriate product catalog pages.

Note: It is always recommended that the tail end of the grip be banded after the installation on the cable to prevent accidental release of the mesh. See page T-15 for end bands.

Kellems® Wire Management Products
Technical Information
Support Grips

Split Support Grip Lace Closing Instructions

Single Weave Grips should be laced with single strand lacing; double weave with double strand. Lacing strands should be the same material as the grip. Kellems supplies the appropriate lacing with each grip.

1. Start the lacing at the lead or anchoring end of the grip. Thread the lacings through the first two loops of the split and pull through until the lacings are centered at this point. Lace as you would your shoe, crossing the lacings before lacing the next two loops.

2. Don't pull lacing too tight. Leave a space between adjoining loops approximately equal to the width of one diamond of the mesh.

3. Twist the lacing strands tightly together at the tail end of the grip.

4. Wrap the ends of the lacings once or twice tightly around the tail of the grip, twisting the ends together securely. Excess lace can be cut off.

Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

1. **Fast to install**
   Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops.

2. The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.

3. To remove, simply pull the rod out.

Technical Information

Bus Drop Grips

Bus Drop Grips and Safety Springs

Kellems Bus Drop Grips are offered with either a single eye or universal bale attachment. The mesh is single weave galvanized steel with the patented wide range construction. They are suitable for indoor use only.

Application

Bus Drop Grips provide a safe, easy and economical method to support flexible cord or bus drop cable at bus duct and other industrial areas.

Benefits

• Easily installed.
• Absorb tension, vibration and pull with no cable damage.
• Patented mesh construction.

Safety Spring

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

Kellems® Wire Management Products
Technical Information
Support Grips

For Support Grips Only*

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.
3. Choose a grip offering a range of cable diameters the same as the cable diameter.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.61)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Support Grip. For Conduit Riser multiple cable selection, see page T-47. It is always recommended that, when multiple cables are installed in a Support Grip, the tail end of the grip be banded after installation on the cable bundle.*

Technical Information
Conduit Riser Support Grips

For Conduit Riser Grips Only*

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.
3. Choose a grip offering a range of cable diameters the same as the cable diameter.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

Number of Equal Diameter Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.29-.36 (.74-.91)	.24-.30 (.61-.76)	.21-.25 (.53-.63)	.18-.22 (.46-.56)	.16-.20 (.41-.51)	.15-.18 (.38-.46)	.14-.17 (.36-.43)	.50-.62 (1.27-1.57)
.37-.43 (.94-1.09)	.31-.36 (.79-.91)	.26-.30 (.66-.76)	.23-.27 (.58-.69)	.21-.24 (.53-.61)	.19-.22 (.48-.56)	.18-.20 (.46-.51)	.63-.74 (1.60-1.88)
.44-.58 (1.12-1.47)	.37-.48 (.94-1.22)	.31-.41 (.79-1.04)	.28-.36 (.71-.91)	.25-.32 (.63-.81)	.23-.29 (.58-.74)	.21-.27 (.53-.69)	.75-.99 (1.90-2.51)
.59-.72 (1.50-1.83)	.49-.60 (1.24-1.52)	.42-.51 (1.07-1.30)	.37-.45 (.94-1.14)	.33-.40 (.84-1.02)	.30-.36 (.76-.91)	.28-.34 (.71-.86)	1.00-1.34 (2.54-3.15)
.73-.87 (1.85-2.21)	.61-.72 (1.55-1.83)	.52-.61 (1.32-1.55)	.46-.54 (1.17-1.37)	.41-.48 (1.04-1.22)	.37-.43 (.94-1.09)	.35-.40 (.89-1.02)	1.25-1.49 (3.17-3.78)
.88-1.01 (2.24-2.57)	.73-.85 (1.85-2.16)	.62-.71 (1.57-1.80)	.55-.63 (1.40-1.60)	.49-.56 (1.24-1.42)	.44-.51 (1.12-1.30)	.41-.47 (1.04-1.19)	1.50-1.74 (3.81-4.42)
1.02-1.16 (2.59-2.95)	.86-.96 (2.18-2.44)	.72-.81 (1.83-2.06)	.64-.72 (1.63-1.83)	.57-.64 (1.45-1.63)	.52-.58 (1.32-1.49)	.48-.54 (1.22-1.37)	1.75-1.99 (4.44-5.05)
1.17-1.44 (2.97-3.66)	.97-1.20 (2.46-3.05)	.82-1.02 (2.08-2.59)	.73-.90 (1.85-2.29)	.65-.80 (1.65-2.03)	.59-.72 (1.50-1.83)	.55-.67 (1.40-1.70)	2.00-2.49 (5.08-6.32)
1.45-1.73 (3.68-4.39)	1.21-1.45 (3.07-3.68)	1.03-1.22 (2.62-3.10)	.91-1.08 (2.31-2.74)	.81-.96 (2.06-2.44)	.73-.87 (1.85-2.21)	.68-.81 (1.73-2.06)	2.50-2.99 (6.35-7.59)
1.74-2.02 (4.42-5.13)	1.46-1.69 (3.71-4.29)	1.23-1.43 (3.12-3.63)	1.09-1.26 (2.77-3.20)	.97-1.11 (2.46-2.82)	.83-1.01 (2.11-2.57)	.82-.94 (2.08-2.39)	3.00-3.49 (7.62-8.86)
2.03-2.31 (5.16-5.87)	1.70-1.93 (4.32-4.90)	1.44-1.63 (3.66-4.14)	1.27-1.44 (3.23-3.66)	1.12-1.27 (2.84-3.23)	1.02-1.15 (2.59-2.92)	.95-1.08 (2.41-2.74)	3.50-3.99 (8.89-10.13)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Conduit Riser Grip. For Support Grip multiple cable selection, see page T-46. It is always recommended that, when multiple cables are installed in a Conduit Riser Grip, the tail end of the grip be banded after installation on the cable bundle.*

Conduit Riser Grips

Conduit Riser Support Grip-Ring Dimensions

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-41 through T-48.

Conduit Ring Dimensions

Ring dimensions are found in the chart below. The ring material is corrosion resistant. These rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only.

Conduit Size Inches	Ring Number	O.D. Inches (cm)	I.D. Inches (cm)	S Inches (cm)	T Inches (cm)
¾	C-¾	.94" (2.39)	.62" (1.57)	•	.19" (.48)
1	C-1	1.17" (2.97)	.80" (2.03)	•	.19" (.48)
1¼	C-1¼	1.50" (3.81)	1.03" (2.62)	1.31" (3.33)	.16" (.41)
1½	C-1½	1.76" (4.47)	1.23" (3.12)	1.52" (3.86)	.16" (.41)
2	C-2	2.23" (5.66)	1.55" (3.94)	1.97" (5.00)	.16" (.41)
2½	C-2½	2.67" (6.78)	2.05" (5.21)	2.40" (6.10)	.16" (.41)
3	C-3	3.20" (8.13)	2.55" (6.48)	2.97" (7.54)	.22" (.56)
3½	C-3½	3.80" (9.65)	3.05" (7.75)	3.47" (8.81)	.22" (.56)
4	C-4	4.30" (10.92)	3.55" (9.02)	3.94" (10.01)	.22" (.56)
4½	C-4½	4.80" (12.19)	4.03" (10.24)	4.45" (11.30)	.22" (.56)
5	C-5	5.30" (13.46)	4.46" (11.33)	4.96" (12.60)	.22" (.56)
6	C-6	6.30" (16.00)	5.36" (13.61)	5.96" (15.14)	.25" (.63)

Kellems® Wire Management Products
Fiber Optic Cable Grips
Pulling and Support Grips

OPTISOK™ Grip is a revolutionary tool to pull preterminated fiber optic cables. They will protect the connectors and guide the bundle through the pulling environment.

Pulling Grips are used for outside plant cable. They are easy to install and remove, reusable, and have a slim profile for small build up.

Grips for cable support are easy to install or position. They come in a closed style when the cable end is available, and a split rod style for mid-span installation. Will support the cable's weight as it hangs in vertical, sloping or horizontal position.

Kellems® Wire Management Products
Fiber Optic Cable Pulling Grips
Special Purpose

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-54 through T-57.

OPTISOK™ Non-metallic Fiber Optic Pulling Tool For Preterminated, Inside Plant Fiber Optic Cables and Bundles of Twisted Pair

Patented

OPTISOK™ Non-Metallic Fiber Optic Pulling Tool

Bundle/Size Range Inches (cm)	Approx. O/A Length Inches (cm)	Ring O.D. Inches (cm)	Ring Thickness Inches (cm)	Maximum Work Load lbs. (N)	Catalog Numbers
.125"-.562" (.318-1.427)	28" (71.12)	.71" (1.803)	.10" (.254)	30 (133)	**CCPS1**
.250"-.750" (.635-1.905)	31" (78.74)	.71" (1.803)	.10" (.254)	40 (178)	**CCPS2**
.750"-1.750" (1.905-4.445)	33" (83.82)	1.57" (3.988)	.16" (.406)	50 (222)	**CCPS3**

Pulling Grip For Loose Tube Fiber Optic Cable, Galvanized Steel

Patented

Pulling Grip For Loose Tube Fiber Optic Cable, Galvanized Steel

Diameter Range Inches (cm)	Mesh Length Inches (cm)	Eye Length Inches (cm)	Eye Diameter Inches (cm)	Lug Diameter Inches (cm)	Maximum Breaking Strength lbs. (N)	Catalog Number
.312"-.625" (.79-1.59)	22.5" (57.15)	6.3" (16.00)	.20" (.51)	.51" (1.30)	3,000 (13,344)	**PFOLT312**

Fiber Optic Cable Pulling Grips

Double/Single Weave Mesh, Galvanized Steel, for Outside Plant Cable

Patented

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-54 through T-57.

F-O Pulling Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Numbers
.10"-.22" (.25-.56)	1,000 (4,448)	5.5" (14)	9" (23)	0.8" (2)	**033291000**
.21"-.35" (.53-.89)	1,500 (6,672)	5.5" (14)	14" (36)	0.8" (2)	**033291001**
.32"-.48" (.81-1.22)	2,200 (9,786)	6.0" (15)	18" (46)	0.9" (2.29)	**033291002**
.42"-.61" (1.07-1.55)	2,800 (12,454)	6.0" (15)	21" (53)	0.9" (2.29)	**033291003**
.53"-.74" (1.35-1.88)	3,300 (14,678)	6.5" (17)	24" (61)	1.3" (3.30)	**033291004**
.64"-.87" (1.63-2.21)	4,700 (20,906)	6.5" (17)	27" (69)	1.3" (3.30)	**033291005**

E-Eye length   M-Mesh length at nominal diameter

Patented

F-O Pulling Grip, Swivel Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Numbers
.21"-.35" (.53-.89)	1,500 (6,672)	4.0" (10.16)	14" (35.56)	0.9" (2.29)	**033291008**
.32"-.48" (.81-1.22)	2,200 (9,786)	4.0" (10.16)	18" (45.72)	0.9" (2.29)	**033291009**
.42"-.61" (1.07-1.55)	2,800 (12,454)	4.0" (10.16)	21" (53.34)	0.9" (2.29)	**033291010**
.53"-.74" (1.35-1.88)	3,300 (14,678)	4.5" (11.43)	24" (60.96)	1.3" (3.30)	**033291011**
.64"-.87" (1.63-2.21)	4,700 (20,906)	4.5" (11.43)	27" (68.58)	1.3" (3.30)	**033291012**

E-Eye length   M-Mesh length at nominal diameter

Kellems® Wire Management Products
Fiber Optic Cable Pulling Grips
Galvanized Steel for Outside Plant Cable

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-54 through T-57.

F-O Pulling Grip, Flexible Eye, Low Profile, Double/Single Weave Mesh

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Numbers
.10"-.22 (.25-.56)	900 (4,003)	7.5" (19)	10" (25)	**033291193**
.21"-.35" (.53-.89)	1,400 (6,227)	7.5" (19)	14" (36)	**033291194**
.32"-.48" (.81-1.22)	2,000 (8,896)	8.5" (22)	19" (48)	**033291195**
.42"-.61" (1.07-1.55)	2,500 (11,120)	8.5" (22)	21" (53)	**033291196**
.53"-.74" (1.35-1.88)	3,000 (13,344)	8.5" (22)	23" (58)	**033291197**
.64"-.87" (1.63-2.21)	4,200 (18,682)	8.5" (22)	25" (64)	**033291198**
.75"-1.00" (1.90-2.54)	4,200 (18,682)	8.5" (22)	28" (71)	**033291199**

E-Eye length　　　　*M-Mesh length at nominal diameter*

F-O Slack Pulling Grip, Split Mesh Rod Closing, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Numbers
.25"-.37" (.63-.94)	300 (1,334)	3" (7.6)	4.7" (12)	**033291015**
.38"-.49" (.97-1.24)	800 (3,558)	3" (7.6)	5" (13)	**033291016**
.50"-.61" (1.27-1.55)	800 (3,558)	3" (7.6)	7.5" (19)	**033291017**
.62"-.74" (1.57-1.88)	1,200 (5,338)	3" (7.6)	8" (20)	**033291018**

E-Eye length　　　　*M-Mesh length at nominal diameter*

Fiber Optic Cable Support Grips
Single Weave, Tin-Coated Bronze

Single Eye, Closed Mesh, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Numbers
.18"-.25" (.46-.63)	300 (1,334)	3" (7.6)	1.7" (4.3)	**022291000**
.23"-.32" (.58-.81)	300 (1,334)	3" (7.6)	2.5" (6.4)	**022291001**
.30"-.39" (.76-.99)	300 (1,334)	4" (10)	2.5" (6.4)	**022291002**
.37"-.48" (.94-1.22)	300 (1,334)	5" (13)	4" (10)	**022291003**
.46"-.58" (1.17-1.47)	400 (1,779)	6" (15)	4" (10)	**022291004**
.56"-.71" (1.42-1.80)	600 (2,669)	7" (18)	5.5" (14)	**022291005**
.69"-.88" (1.75-2.24)	800 (3,558)	8" (20)	6" (15)	**022291006**

E-Eye length   M-Mesh length at nominal diameter

Single Eye, Split Mesh, Rod Closing, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Numbers
.18"-.25" (.46-.63)	300 (1,334)	3" (7.6)	2.5" (6.4)	**022291016**
.23"-.32" (.58-.81)	300 (1,334)	3" (7.6)	2.5" (6.4)	**022291017**
.30"-.39" (.76-.99)	300 (1,334)	4" (10)	2.5" (6.4)	**022291018**
.37"-.48" (.94-1.22)	300 (1,334)	5" (13)	4" (10)	**022291019**
.46"-.58" (1.17-1.47)	400 (1,779)	6" (15)	5" (13)	**022291020**
.56"-.71" (1.42-1.80)	600 (2,669)	7" (18)	5" (13)	**022291021**
.69"-.88" (1.75-2.24)	800 (3,558)	8" (20)	6" (15)	**022291022**

E-Eye length   M-Mesh length at nominal diameter

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-54 through T-57.

For permanent support when cable end is available to be installed through grip.

Single Eye, Closed Mesh, Single Weave

For support when cable end not available.

Single Eye, Split Mesh, Rod Closing, Single Weave

Kellems® Wire Management Products
Technical Information
Fiber Optic Pulling and Support Grips

Kellems has wide experience with grips for the new technology of fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK™ an effective tool to place preterminated cables. Also available are grips to support fiber optic cable.

Select the Correct Fiber Optic Grip
Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1 Determine your cable outside diameter.

Step 2 Find the grip size that encompasses your cable diameter.

Step 3 Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.

Step 4 Where available, select an eye style that suits your needs.

Step 5 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough.

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known

or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

For grip applications on materials other than those that the grips have been specifically designed for, consult the factory.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Rec. Load Lbs. (N)	Catalog Numbers
Pulling	2,500 (11,120)	5	500 (2,224)	**033291196**
Support	400 (1,779)	10	40 (178)	**022291004**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable to for the application.

Fiber Optic Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Pulling Grip
Tin-coated bronze wire	• Corrosion resistant for normal outside areas • Non-magnetic • Moderate strength	• Support grips
Non-metallic braid	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• OPTISOK™

Approvals

CSA Certification is indicated on appropriate product catalog pages.

Kellems® Wire Management Products
Technical Information
OPTISOK™ Pulling Grips

Kellems offers a unique and simple to use tool for the installation of preconnectorized fiber optic cables, jumpers and bundles of twisted pair communication cables - the OPTISOK.

The OPTISOK is a highly flexible and expandable nonmetallic sleeve open on one end and with a pulling ring on the other. It will expand to enclose the larger group of fiber optic connectors and grab the cable below the connector bundle by wrapping and taping to provide a gripping tool that will grab the cable(s) below the connectors. The pulling ring can be attached to a pulling line or fish tape and the OPTISOK will act as the pulling tool.

OPTISOK will contain and protect the connector bundle and save time and labor by making the pulling job easier, protecting the connectors from possible damage during the pull and facilitating the passage of the connector bundle through cramped and tight spaces. The OPTISOK can be used to pull cables through plenums, underfloor duct, office partitions, raised access floors and conduits. Three sizes are available for all applications.

How to Select OPTISOK

• Identify connector bundle diameter to be inserted into the OPTISOK.
• Choose appropriate catalog number based on size range.

Installation Information

Step 1. Expand open end of OPTISOK and gently work in fiber optic connector bundle.

Step 2. Still gently, work connector bundle up to the forward section of the Optisok.

Step 3. Starting at approximately 6" (15.2) from tail end of OPTISOK, tightly fold over the Optisok around cables and tape wrapped section 3" (7.62) past tail end onto the bundle.

Step 4. Securely attach pulling line or tape to pulling ring.

Note: To remove OPTISOK carefully unwrap tape and slide out cables and connectors or cut OPTISOK away without damaging connectors or cables.

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Kellems® Wire Management Products
Technical Information
Fiber Optic Pulling Grips

Pulling Grip for Loose Tube Fiber Optic Cable

Kellems offers a wire mesh specifically designed to pull loose tube fiber optic cable and meet the special pulling requirements recommended by fiber optic cable manufacturers.

Many fiber optic cable manufacturers require special cable preparation prior to pulling where a short section of the outer jacket is stripped off exposing the aramid strength member. This creates two cable diameters, one including the jacket and a second smaller diameter at the strength member. Kellems fiber grip with its special weave will accommodate and securely grab both diameters, at the outside jacket and the internal aramid strength member.

Additionally, this galvanized steel mesh grip has longer leads at the pulling eye to facilitate pulling the cable up through the top, a very low profile lug and eye to slip through tight areas, and short shoulders to protect the cable while maintaining the slim profile.

The grip can be used to pull cable overhead as well as underground through conduit and duct. It easily mates with a swivel and has the necessary strength to securely make pulls.

Application Information

- Prior to pulling cable, follow cable manufacturers' cable preparation recommendations.
- Never exceed cable manufacturers' pulling tension recommendations.
- Never use grips to approximate breaking strength safety factor of 5 recommended.

**Pulling Grips for Other Outside Plant Cables,
Swivel Eye, Flexible Eye, Split Style, Low Profile**

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable, and are reusable.

Benefits

- High strength multiweave mesh for positive holding power.
- Highly flexible mesh to follow the pulling path of the cable.
- Steel nose cone reduces snags and hang-ups and protects cable end.
- Easily installed and removed.
- A dependable, reusable pulling tool.

Kellems® Wire Management Products
Technical Information
Fiber Optic Support Grips

Support Grips for Fiber Optic Cable

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

Fast to Install

Step 1. Wrap the grip around the cable and thread the rod through the preformed loops with a corkscrew motion, using the curved end of the rod to engage the loops.

Step 2. The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.

Step 3. To remove, simply pull the rod out.

Kellems® Wire Management Products
Hose Containment Grips

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-42 through T-43.

Types of Attachment
The five attachment methods shown below provide unlimited flexibility of attachment to meet any condition.

Type E
Double Eye Grip, used where fastening is made with eyebolts or similar anchor terminations.

Type A
Single Eye Grip, used where fastening MUST be made from one point.

Type U
Universal Bale Grip, used to fasten around a structure or closed eye.

Type Y
Threaded bolt (⁵⁄₁₆-18 x 1½" long), used to fasten through drilled holes in plate.

Type F
Split fitting to fit AN-818 nuts. Fitting is positioned over nut and located with internal flange. A hose clamp is furnished and required to hold the fitting in correct position.

Note: It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. These grips are custom made. Consult Technical Services for details.

Kellems Hose Containment Grips are used on high pressure, flexible hose lines to prevent the hose from whipping violently in the event of hose failure at the fitting. These grips will prevent serious injury to personnel and damage to equipment by holding the hose in place in the event of hose failure.

Kellems patented Hose Containment Grips are made of stainless steel with double weave mesh construction for high strength and come complete with hose clamps.

Kellems Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact the Wiring Device-Kellems factory for specific information. These grips help meet OSHA Federal Register 1926-302 (b), 1926-603 (9), (10), JIC H-1-1973 (H13.11) and JIC P-1-1975 (P11.34) requirements.

Kellems® Wire Management Products
Strain Relief for Flexible Cords
For Insulated Cables and Flexible, Liquidtight Conduits

Endless weave provides easy cable/flexible conduit installation.

Stainless steel mesh is corrosion resistant. Can be used inside or outside. It eliminates cable or flexible conduit pull out and reduces costly downtime.

Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life. It is the strongest strain relief device available. Meets and exceeds all code requirements. Prevents cable/conduit pull-out.

A liquidtight fitting is available with both cable and conduit fittings. Prevents liquids from running through the fitting into the enclosure.

An N.P.T. and PG threaded body allows easy attachment to either threaded hub or knock-out in box.

Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Kellems® Wire Management Products

Deluxe Cord Grips

WARNING!

It is important that you read all breaking strength, safety and technical data relating to this product on pages T-71 through T-76.

Straight Male

Straight Male Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.250"-.312"	(.63-.79)			**07401001**
.312"-.375"	(.79-.95)	⅜	F1	**07401002**
.375"-.437"	(.95-1.11)			**07401003**
.187"-.250"	(.47-.63)			**07401004**
.250"-.375"	(.63-.95)	½	F2	**07401006**
.375"-.500"	(.95-1.27)			**07401008**
.500"-.625"	(1.27-1.59)			**07401010**
.625"-.750"	(1.59-1.90)	½	F3	**074011247***
.750"-.875"	(1.90-2.22)			**074011248***
.187"-.250"	(.47-.63)			**07401011**
.250"-.375"	(.63-.95)	¾	F2	**07401013**
.375"-.500"	(.95-1.27)			**07401015**
.500"-.625"	(1.27-1.59)			**07401017**
.625"-.750"	(1.59-1.90)	¾	F3	**07401018**
.750"-.875"	(1.90-2.22)			**074011249***
.375"-.500"	(.95-1.27)			**074011195**
.500"-.625"	(1.27-1.59)			**07401019**
.625"-.750"	(1.59-1.90)	1	F4	**07401021**
.750"-.875"	(1.90-2.22)			**07401023**
.875"-1.000"	(2.22-2.54)			**07401025**
1.000"-1.125"	(2.54-2.86)			**074011250***
1.125"-1.250"	(2.86-3.17)	1	F5	**074011028***
1.250"-1.375"	(3.17-3.49)			**074011029***
.750"-.875"	(1.90-2.22)			**074011251**
.875"-1.000"	(2.22-2.54)			**07401026**
1.000"-1.125"	(2.54-2.86)	1¼	F5	**07401027**
1.125"-1.250"	(2.86-3.17)			**07401028**
1.250"-1.375"	(3.17-3.49)			**074011178***
.750"-.875"	(1.90-2.22)			**074011252**
.875"-1.000"	(2.22-2.54)			**07401029**
1.000"-1.125"	(2.54-2.86)	1½	F5	**07401030**
1.125"-1.250"	(2.86-3.17)			**07401031**
1.250"-1.375"	(3.17-3.49)			**07401032**
1.312"-1.437"	(3.33-3.65)			**074011253**
1.437"-1.562"	(3.65-3.97)			**074011254***
1.562"-1.687"	(3.97-4.28)	1½	F6	**074011255***
1.687"- 1.812"	(4.28-4.60)			**074011256***
1.750"-1.875"	(4.44-4.76)			**074011257***
1.250"-1.375"	(3.17-3.49)			**074011258**
1.312"-1.437"	(3.33-3.65)			**074011259**
1.437"-1.562"	(3.65-3.97)	2	F6	**07401033**
1.562"-1.687"	(3.97-4.28)			**07401034**
1.687"-1.812"	(4.28-4.60)			**07401035**
1.750"- 1.875"	(4.44-4.76)			**074011260**
1.812"-1.937"	(4.60-4.92)			**074011261**
1.937"-2.062"	(4.92-5.24)			**074011262***
2.062"-2.187"	(5.24-5.55)	2	F7	**074011263***
2.187"-2.312"	(5.55-5.87)			**074011264***
2.312"-2.437"	(5.87-6.19)			**074011265***
1.688"-1.812"	(4.29-4.60)			**074011030**
1.812"-1.937"	(4.60-4.92)			**074011031**
1.937"-2.062"	(4.92-5.24)	2½	F7	**074011032**
2.062"-2.187"	(5.24-5.55)			**074011033**
2.187"-2.312"	(5.55-5.87)			**074011034**
2.312"-2.437"	(5.87-6.19)			**074011266***
1.937"-2.062"	(4.92-5.24)			**074011036**
2.062"-2.187"	(5.24-5.55)	3	F7	**074011037**
2.187"-2.312"	(5.55-5.87)			**074011038**
2.312"-2.437"	(5.87-6.19)			**074011039**
2.437"-2.625"	(6.19-6.67)			**074011186**
2.625"-2.812"	(6.67-7.14)	3	F8	**074011187**
2.812"-3.000"	(7.14-7.62)			**074011188**
3.000"-3.250"	(7.62-8.25)			**074011189***

*Note: *Cable jacket may have to be stripped to pass through connector body. Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*

Kellems® Wire Management Products
Deluxe Cord Grips
Aluminum Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Straight Female Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.375"-.500"	(.95-1.27)	½	F2	07401043
.500"-.625"	(1.27-1.59)			07401045
.500"-.625"	(1.27-1.59)	¾	F2	07401052
.625"-.750"	(1.59-1.90)	¾	F4	07401053

90° Male Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.250"-.312"	(.63-.79)			07401071
.312"-.375"	(.79-.95)	⅜	F1	07401072
.375"-.437"	(.95-1.11)			07401073
.187"-.250"	(.47-.63)			07401074
.250"-.375"	(.63-.95)			07401076
.375"-.500"	(.95-1.27)	½	F2	07401078
.500"-.625"	(1.27-1.59)			07401080*
.375"-.500"	(.95-1.27)			07401081
.500"-.625"	(1.27-1.59)	¾	F3	07401083
.625"-.750"	(1.59-1.90)			07401084*
.750"-.875"	(1.90-2.22)			074011275*
.500"-.625"	(1.27-1.59)			07401085
.625"-.750"	(1.59-1.90)			07401087
.750"-.875"	(1.90-2.22)	1	F4	07401089
.875"-1.000"	(2.22-2.54)			07401091*
1.000"-1.125"	(2.54-2.86)			074011229*
.750"-.875"	(1.90-2.22)			074011230
.875"-1.000"	(2.22-2.54)			07401137
1.000"-1.125"	(2.54-2.86)	1¼	F5	07401108
1.125"-1.250"	(2.86-3.17)			074011042*
1.000"-1.125"	(2.54-2.86)			074011045
1.125"-1.250"	(2.86-3.17)	1½	F5	074011046
1.250"-1.375"	(3.17-3.49)			074011047
1.312"-1.437"	(3.33-3.65)			074011233
1.437"-1.562"	(3.65-3.97)	2	F6	074011244
1.687"-1.812"	(4.28-4.60)			074011246
1.750"-1.875"	(4.44-4.76)			074011234*

45° Male Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.250"-.375"	(.63-.95)			074011236
.375"-.500"	(.95-1.27)	½	F2	074011021
.500"-.625"	(1.27-1.59)			074011237*
.500"-.625"	(1.27-1.59)			074011049
.625"-.750"	(1.59-1.90)	¾	F3	074011051*
.750"-.875"	(1.90-2.22)			074011239*
.625"-.750"	(1.59-1.90)			074011055
.750"-.875"	(1.90-2.22)	1	F4	074011057
.875"-1.000"	(2.22-2.54)			074011199*
1.000"-1.125"	(2.54-2.86)	1¼	F5	074011059
1.125"-1.250"	(2.86-3.17)			074011060

* Cable jacket may have to be stripped to pass through connector body.

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-71 through T-76.

Straight Female

90º Male

45º Male

*Note: *Cable jacket may have to be stripped to pass through connector body. Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*

Deluxe Cord Grips

Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-71 through T-76.

Straight Male

90° Male

Straight Male Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.187"-.250"	(.47-.63)			**074011331**
.250"-.375"	(.63-.95)	½	F2	**074011332**
.375"-.500"	(.95-1.27)			**074011333**
.500"-.625"	(1.27-1.59)			**074011334***
.375"-.500"	(.95-1.27)			**074011335**
.500"-.625"	(1.27-1.59)	¾	F3	**074011336**
.625"-.750"	(1.59-1.90)			**074011337**
.750"-.875"	(1.90-2.22)			**074011338***
.625"-.750"	(1.59-1.90)			**074011341**
.750"-.875"	(1.90-2.22)	1	F4	**074011342**
.875"-1.000"	(2.22-2.54)			**074011343**
1.000"-1.125"	(2.54-2.86)			**074011344***

90° Male Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.250"-.375"	(.63-.95)			**074011346**
.375"-.500"	(.95-1.27)	½	F2	**074011347**
.500"-.625"	(1.27-1.59)			**074011348***
.375"-.500"	(.95-1.27)			**074011349**
.500"-.625"	(1.27-1.59)	¾	F3	**074011350**
.625"-.750"	(1.59-1.90)			**074011351***

* Cable jacket may have to be stripped to pass through connector body.

Note: *Cable jacket may have to be stripped to pass through connector body. Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

Nylon Compression Nut — Nylon Body — Tapered Threads — Stainless Steel Mesh — Stainless Steel Collar — Neoprene Bushing

Kellems® Wire Management Products
Deluxe Cord Grips
Nylon Fittings, Non-metallic Mesh, Liquidtight, for Insulated Cables and Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-71 through T-76.

Nylon Fittings Non-metallic Mesh, Liquidtight for Insulated Cables
Straight Male Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.187"-.250"	(.47-.63)			CG304NM
.250"-.312"	(.63-.79)	⅜	F1	CG305NM
.312"-.375"	(.79-.95)			CG306NM
.187"-.250"	(.47-.63)			CG404NM
.250"-.375"	(.63-.95)	½	F2	CG406NM
.375"-.500"	(.95-1.27)			CG408NM
.375"-.500"	(.95-1.27)			CG608NM
.500"-.625"	(1.27-1.59)	¾	F3	CG610NM
.625"-.750"	(1.59-1.90)			CG612NM
.500"-.625"	(1.27-1.59)			CG810NM
.625"-.750"	(1.59-1.90)	1	F4	CG812NM
.750"-.875"	(1.90-2.22)			CG814NM
.875"-1.000"	(2.22-2.54)			CG816NM

90° Male Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.250"-.375"	(.63-.95)	½	F2	CG40690NM
.375"-.500"	(.95-1.27)			CG40890NM
.375"-.500"	(.95-1.27)			CG60890NM
.500"-.625"	(1.27-1.59)	¾	F3	CG61090NM
.625"-.750"	(1.59-1.90)			CG61290NM*
.625"-.750"	(1.59-1.90)	1	F4	CG81290NM
.750"-.875"	(1.90-2.22)			CG81490NM

* Cable jacket may have to be stripped to pass through connector body.

Note: Non-metallic locknuts are available upon request. Refer to page T-89.

Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables
Straight Male Thread

Grip Diameter Range Inches	(cm)	Thread Size N.P.T. (Inches)	Form Size	Catalog Numbers
.187"-.250"	(.47-.63)			CG404SST
.250"-.375"	(.63-.95)	½	F2	CG406SST
.375"-.500"	(.95-1.27)			CG408SST
.500"-.625"	(1.27-1.59)			CG410SST
.375"-.500"	(.95-1.27)	¾	F2	CG608SST
.500"-.625"	(1.27-1.59)			CG610SST
.625"-.750"	(1.59-1.90)	¾	F3	CG612SST
.750"-.875"	(1.90-2.22)			CG614SST
.500"-.625"	(1.27-1.59)			CG810SST
.625"-.750"	(1.59-1.90)	1	F4	CG812SST
.750"-.875"	(1.90-2.22)			CG814SST
.875"-1.000"	(2.22-2.54)			CG816SST

Straight Male

90° Male

Straight Male

Note: *Cable jacket may have to be stripped to pass through connector body. Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

PG and Metric Threaded Deluxe Cord Grips
Aluminum Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-71 through T-76.

Straight PG Male

Straight Metric Male

Straight PG* Male Thread

Cord Diameter Range

Inches	(cm)	Hub Size	Catalog Numbers
.500"-.625"	(1.27-1.59)	PG16	**074PG16010**
.500"-.625"	(1.27-1.59)	PG21	**074PG21010**
.625"-.750"	(1.59-1.90)	PG21	**074PG211247**
.750"-.875"	(1.90-2.22)	PG21	**074PG211248**
.625"-.750"	(1.59-1.90)	PG29	**074PG29021**
.750"-.875"	(1.90-2.22)	PG29	**074PG29023**
.875"-1.000"	(2.22-2.54)	PG29	**074PG29025**
1.125"-1.250"	(2.86-3.17)	PG29	**074PG291028****
1.125"-1.250"	(2.86-3.17)	PG36	**074PG36028****

* Panzergewinde

**Cable jacket may have to be stripped to pass through connector body.

Straight Metric Male Thread

Cord Diameter Range

Inches	(cm)	Form Size	Catalog Numbers
.500"-.625"	(1.27-1.59)	F2	**074M20010**
.625"-.750"	(1.59-1.90)	F3	**074M251247**
.750"-.875"	(1.90-2.22)	F3	**074M251248**
.625"-.750"	(1.59-1.90)	F2	**074M25017**
.750"-.875"	(1.90-2.22)	F4	**074M32021**
.875"-1.000"	(2.22-2.54)	F4	**074M32023**
1.125"-1.250"	(2.86-3.17)	F4	**074M32025**
1.125"-1.250"	(2.86-3.17)	F5	**074M321028**
1.125"-1.250"	(2.86-3.17)	F5	**074M321250**

Specifications

Material	Temperature Range
Aluminum	–30°F to +240°F (–34°C to +115°C).
Stainless Steel (Gotcha Rings)	–30°F to +240°F (–34°C to +115°C).
Neoprene (Bushings)	–30°F to +240°F (–34°C to +115°C).

Hazardous Locations	Suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 N.E.C. Reference *501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*

Approvals	
Cord Connectors	UL Listed in accordance with Standard 514B.
Deluxe Cord Grips	UL Control numbers 898D and 899D.

Wet Locations	Suitable for use in wet locations when used with a listed nylon washer between box and fitting.
	When used with a metal clad o-ring, product has UL 4X environmental rating.

*Note: *Cable jacket may have to be stripped to pass through connector body. Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*

Kellems® Wire Management Products
Dust-Tight Strain Relief Grips
Aluminum Fittings, Galvanized Steel Mesh, for Insulated Cables

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-71 through T-76.

Non-Insulated, Wide Range Strain Relief

Cable Diameter Range Inches (cm)		Thread Size	Mesh Length @ Nom. Dia. Inches (cm)	Catalog Numbers
.24"-.32"	(.61-.81)	½ N.P.T.	3.25" (8.25)	**073031200**
.32"-.43"	(.81-1.09)	½ N.P.T.	3.75" (9.52)	**073031201**
.43"-.54"	(1.09-1.37)	½ N.P.T.	4.75" (12.06)	**073031202**
.54"-.73"	(1.37-1.85)	¾ N.P.T.	6.5" (16.51)	**073031203**
.73"-.97"	(1.85-2.46)	1 N.P.T.	7" (17.78)	**073031204**
.97"-1.25"	(2.46-3.17)	1¼ N.P.T.	9" (22.86)	**073031205**
.73"-.97"	(1.85-2.46)	PG29*	7" (17.78)	**073PG291204**

* Panzergewinde

Non-Insulated

Insulated, Wide Range Strain Relief with Insulating Bushing

Cable Diameter Range Inches (cm)		Thread Size	Mesh Length @ Nom. Dia. Inches (cm)	Dim. A In. (cm)	Min. Space Between Grips In. (cm)	Catalog Numbers
.24"-.32"	(.61-.81)	½ N.P.S.	3.25" (8.25)	1" (2.54)	1.25" (3.17)	**073031206**
.32"-.43"	(.81-1.09)	½ N.P.S.	3.75" (9.52)	1" (2.54)	1.25" (3.17)	**073031207**
.43"-.54"	(1.09-1.37)	½ N.P.S.	4.75" (12.06)	1" (2.54)	1.25" (3.17)	**073031208**
.54"-.73"	(1.37-1.85)	¾ N.P.S.	6.5" (16.51)	1" (2.54)	1.5" (3.81)	**073031209**
.73"-.97"	(1.85-2.46)	1 N.P.S.	7" (17.78)	1.313" (3.02)	1.75" (4.44)	**073031210**
.97"-1.25"	(2.46-3.17)	1¼ N.P.S.	9" (22.86)	1.313" (3.02)	2.25" (5.71)	**073031211**
1.25"-1.50"	(3.17-3.81)	1½ N.P.T.	11.75" (29.84)	1.313" (3.02)	2.5" (6.35)	**073031212**
1.50"-1.70"	(3.81-4.32)	2 N.P.T.	13.25" (33.65)	1.375" (3.49)	3.25" (8.25)	**073031213**
1.70"-2.00"	(4.32-5.08)	2½ N.P.T.	13.5" (34.29)	1.5" (3.81)	3.625" (9.21)	**073031214**
2.00"-2.45"	(5.08-6.22)	2½ N.P.T.	13.75" (34.92)	1.5" (3.81)	3.625" (9.21)	**073031215**

Insulated

Kellems® Wire Management Products
I-Grips
Plastic-Coated, Galvanized Steel Mesh for Insulated Cables

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-71 through T-76.

Application

Kellems® I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip® plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place.

These grips are for indoor use only.

Benefits

• Easily attached to Insulgrip plugs and connector bodies.

• Controls cable arc-of-bend.

• Provides heavy-duty strain relief.

• Fits all sizes.

I-Grips

Cable Diameter Range Inches	(cm)	E Inches (cm)	M Inches (cm)	Catalog Numbers
.32"-.43"	(.81-1.09)	1.25" (3.17)	4" (10.16)	**07310001**
.43"-.56"	(1.09-1.42)	1.25" (3.17)	4.75" (12.06)	**07310002**
.56"-.73"	(1.42-1.85)	1.50" (3.81)	6" (15.24)	**07310003**
.73"-.85"	(1.85-2.16)	1.50" (3.81)	6.5" (16.51)	**07310004**
.85"-1.00"	(2.16-2.54)	1.50" (3.81)	8" (20.32)	**07310005**
1.00"-1.25"	(2.54-3.17)	1.50" (3.81)	10" (25.40)	**07310006**

E-Eye length   M-Mesh length at nominal diameter   Eyelet hole diameter .203 (.52)

Note: I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.

Kellems® Wire Management Products
Thread Adapters for Multi-Pin Connectors
Aluminum

Thread Adapters for Multi-Pin Connectors

Kellems® Thread Adapters are devices formating AN-MS connectors and other multi-pin connectors to Kellems grips with N.P.T. threaded fittings. They are made of aluminum with internal threads and replace the connector cord clamp. These adapters permit the installation of Kellems Grips, to prevent cable or conduit pull-out and control arc-of-bend.

Applications

Thread adapters allow the installation of Kellems® Grips on multi-pin connectors at electrical consoles, mobile equipment, control switches, assembly equipment and testing machines.

Benefits

- Easy installation.
- Allows the use of Kellems grips.
- Extends connector and cable life.

Thread Adapters for Multi-Pin Connectors

	Thread Adapters				Deluxe Cord Grips		Strain Relief Grips		Liquidtight Conduit Grips (Insulated Throat)
AN–MS Connector Size**	AN–MS Cable Clamp Number***	Thread Size A in.	N.P.T. Thread Size B in.	Catalog Numbers	Cable Diameter Range Inches (cm)	Catalog Numbers	Cable Diameter Range Inches (cm)	Catalog Numbers	Catalog Numbers
8S, 10S	3057-3	½" x 28"		091041000	.250"-.312" (.63-.79)	07401001			
10SL, 12, 12S	3057-4	⅝" x 24"	⅜	091041001	.312"-.375" (.79-.95)	07401002			
14, 14S	3057-6	¾" x 20"		091041002	.375"-.437" (.95-1.11)	07401003			
14, 14S	3057-6	¾" x 20"		091041003	.187"-.250" (.47-.63)	07401004	.24"-.32" (.61-.81)	073031200	
16, 16S	3057-8	⅞" x 20"	½	091041004	.250"-.375" (.63-.95)	07401006	.32"-.43" (.81-1.09)	073031201	074093512
18	3057-10	1" x 20"		091041006	.375"-.500" (.95-1.27)	07401008	.43"-.54" (1.09-1.37)	073031202	–
					.500"-.625" (1.27-1.59)	07401010*			
16, 16S	3057-8	⅞" x 20"		091041005	.187"-.250" (.47-.63)	07401011			
18	3057-10	1" x 20"	¾	091041007	.250"-.375" (.63-.95)	07401013			074093513
20, 22	3057-12	1³⁄₁₆" x 18"		091041008	.375"-.500" (.95-1.27)	07401015	.54"-.74" (1.37-1.85)	073031203	
					.500"-.625" (1.27-1.59)	07401017			
					.625"-.750" (1.59-1.90)	07401018			
20, 22	3057-12	1³⁄₁₆" x 18"		091041009	.375"-.500" (.95-1.27)	074011195			
24, 28	3057-16	1⁷⁄₁₆" x 18"		091041010	.500"-.625" (1.27-1.59)	07401019	.73"-.97" (1.85-2.46)	073031204	074093514
32	3057-20	1¾" x 18"	1	091041012	.625"-.750" (1.59-1.90)	07401021			
36	3057-24	2" x 18"		091041015	.750"-.875" (1.90-2.22)	07401023			
					.875"-1.000" (2.22-2.54)	07401025			
24, 28	3057-16	1⁷⁄₁₆" x 18"		091041011	.750"-.875" (1.90-2.22)	074011251			
32	3057-20	1¾" x 18"	1¼	091041013	.875"-1.000" (2.22-2.54)	07401026	.97"-1.25" (2.46-3.17)	073031205	074093515
36	3057-24	2" x 18"		091041016	1.000"-1.125" (2.54-2.86)	07401027			
					1.125"-1.375" (2.86-3.17)	07401028			
32	3057-20	1¾" x 18"		091041014	.875"-1.000" (2.22-2.54)	07401029			
36	3057-24	2" x 18"	1½	091041017	1.000"-1.125" (2.54-2.86)	07401030	–		074093516
40	3057-28	2¼" x 16"		091041019	1.125"-1.250" (2.86-3.17)	07401031			
					1.250"-1.375" (3.17-3.49)	07401032			

* Cable jacket may have to be stripped to pass through connector body.
** No. stamped on connector shell.
*** No. stamped on clamp shell.

Example

Thread "A"   N.P.T. Thread Size "B"   Cable Or Conduit
Connector   Thread Adapter   Deluxe Cord Grip

Thread Adapter

091041006

Kellems® Wire Management Products
Strain Relief for Liquidtight Conduit
Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff I Non-Metallic Conduit

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-77, T-79 and T-80.

Straight with Male Fitting

90° Angle with Male Fitting

Benefits

• Helps prevent conduit pull-out and damage at the fitting.
• Reduces equipment downtime.

Straight With Male Fitting

Conduit Trade Size (Inches)	Fitting Size N.P.T. (Inches)	Mesh Length Inches (cm)		Catalog Numbers (Insulated)	Catalog Numbers (Non-insulated)
⅜	½	3"	(7.62)	**074093511**	**074093401**
½	½	3.5"	(8.89)	**074093512**	**074093402**
¾	¾	4"	(10.16)	**074093513**	**074093403**
1	1	5"	(12.70)	**074093514**	**074093404**
1¼	1¼	6"	(15.24)	**074093515**	**074093405**
1½	1½	6.75"	(17.14)	**074093516**	**074093406**
2	2	8"	(20.32)	**074093518**	**074093408**
2½	2½	9.75"	(24.76)	**074093520**	**074093410**
3	3	11"	(27.94)	**074093522**	**074093412**
4	4	14"	(35.56)	**074093526**	•

90° Angle With Male Fitting

Conduit Trade Size (Inches)	Fitting Size N.P.T. (Inches)	Mesh Length Inches (cm)		Catalog Numbers (Insulated)	Catalog Numbers (Non-insulated)
⅜	½	3"	(7.62)	**074093541**	**074093421**
½	½	3.5"	(8.89)	**074093542**	**074093422**
¾	¾	4"	(10.16)	**074093543**	**074093423**
1	1	5"	(12.70)	**074093544**	**074093424**
1¼	1¼	6"	(15.24)	**074093545**	**074093425**
1½	1½	6.75"	(17.14)	**074093546**	**074093426**
2	2	8"	(20.32)	**074093548**	**074093428**
2½	2½	9.75"	(24.76)	**074093550**	•
3	3	11"	(27.94)	**074093552**	•

Note: For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.

Kellems® Wire Management Products
Strain Relief for Liquidtight Conduit
Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff I Non-Metallic Conduit

Straight With Chase Fitting

Conduit Trade Size (Inches)	Fitting Size N.P.T. (Inches)	Mesh Length Inches (cm)		Catalog Numbers
½	½	3.5"	(8.89)	**07406079**
¾	¾	4"	(10.16)	**07406080**
1	1	5"	(12.70)	**07406081**
1¼	1¼	6"	(15.24)	**07406082**
1½	1½	6.75"	(17.14)	**07406083**

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-77, T-79 and T-80.

Straight with Chase Connector

45° Angle With Male Fitting

Conduit Trade Size (Inches)	Fitting Size N.P.T. (Inches)	Mesh Length Inches (cm)		Catalog Numbers (Insulated)	Catalog Numbers (Non-insulated)
⅜	½	3"	(7.62)	**074093561**	**074093441**
½	½	3.5"	(8.89)	**074093562**	**074093442**
¾	¾	4"	(10.16)	**074093563**	**074093443**
1	1	5"	(12.70)	**074093564**	**074093444**
1¼	1¼	6"	(15.24)	**074093565**	**074093445**
1½	1½	6.75"	(17.14)	**074093566**	**074093446**
2	2	8"	(20.32)	**074093568**	**074093448**

Note: For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.

45° Angle with Male Fitting

Strain Relief for Liquidtight Conduit
Steel Fitting, Stainless Steel Mesh for UL Type A Liquidtight Conduit

WARNING!
It is important that you read all breaking strength, safety and technical data relating to this product on pages T-78 through T-80.

Straight Male with Fitting

90° Angle

Straight Male Hubbell Fitting

Conduit Trade Size (Inches)	Fitting Size N.P.T. (Inches)	Mesh Length Inches (cm)	Catalog Numbers
⅜	½	3.75" (9.52)	**H038CNK**
½	½	4.5" (11.43)	**H050CNK**
¾	¾	6.25" (15.87)	**H075CNK**
1	1	7.5" (19.05)	**H100CNK**
1¼	1¼	9" (22.86)	**H125CNK**
1½	1½	13.5" (34.29)	**H150CNK**
2	2	14.5" (36.83)	**H200CNK**

90° Male Hubbell Fitting

Conduit Trade Size (Inches)	Fitting Size N.P.T. (Inches)	Mesh Length Inches (cm)	Catalog Numbers
⅜	½	3.75" (9.52)	**H0389CNK**
½	½	4.5" (11.43)	**H0509CNK**
¾	¾	6.25" (15.87)	**H0759CNK**
1	1	7.5" (19.05)	**H1009CNK**
1¼	1¼	9" (22.86)	**H1259CNK**
1½	1½	13.5" (34.29)	**H1509CNK**
2	2	14.5" (36.83)	**H2009CNK**

Kellems® Wire Management Products

Strain Relief for Liquidtight Conduit

Kellems® Wire Management Products
Technical Information
Strain Relief Grips

Kellems Strain Relief Grips are designed to prevent tension from being transmitted to joints and terminals on electrical cord, cable and conduit. In most applications, a Kellems grip for strain relief is stronger than the cable itself and gives much greater security than the use of a fitting alone. Kellems Grips for strain relief help make electrical systems safer, and save money by minimizing downtime from costly electrical failure due to cable pull-out. Kellems Grips also aid in compliance with the National Electric Code's terminal tension protection requirements.

Select the Correct Grip for Strain Relief

Kellems Grips for strain relief are designed to fit on electrical cord, cable or flexible conduit.

Step 1	Refer to the chart below to determine the grip style best suited for your application.
Step 2	Determine your cable outside diameter or conduit size.
Step 3	Locate environment—indoors or outdoors.
Step 4	Decide if a liquidtight seal is required.
Step 5	Select N.P.T. size and fitting style.

Strain Relief System Selection Chart

Grip Type		Application	Features	Cord or Conduit Range Inches (cm)	Type Fitting or Attachment	Page Number
Deluxe Cord Aluminum Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are crane and hoist pendant drop stations, hand tools, pumps and processing equipment.	Aluminum fittings, stainless steel mesh, neoprene oil-and-watertight bushing. Double-single weave.	.187"-3.250" (.47-8.25)	N.P.T., PG, and metric aluminum, male straight, 45° male, 90° male, female straight. Thread sizes ⅜"-3".	T-60, T-61, T-64
Deluxe Cord Nylon Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are marine and food processing equipment.	Nylon fitting, stainless steel mesh, double-single weave, neoprene oil-and-watertight bushing.	.187"-1.125" (.47-2.86)	N.P.T. nylon, male straight, 90° male. Thread sizes ½"-1".	T-62
Deluxe Cord Nylon Fitting/ Non-metallic Grip		Indoor or outdoors. Provides liquidtight seal, where exposed to moisture. Excellent for oil refining and chemical processing.	Non-metallic grip is corrosion resistant, nonconductive and provides superior gripping and flexing benefits. Neoprene liquidtight bushing. Nylon fitting.	.187"-1.000" (.47-2.54)	N.P.T. nylon, straight male, thread sizes ⅜"-1" 90° male, thread sizes ½"-1".	T-63
Deluxe Cord Stainless Steel Fitting And Grip		Indoor or outdoor use where exposed to moisture. Very strong for heavy abuse areas such as drilling platforms, steel mills and mines.	Stainless steel fitting and grip for strength. Neoprene liquidtight bushing. Double/single weave grip.	.187"-1.000" (.47-2.54)	Straight male Only with N.P.T. Thread sizes ½"-1".	T-63
Dust-Tight Strain Relief		Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems.	Neoprene gasket–seals out cips, dirt, dust. One piece design with galvanized steel mesh. Insulating bushing available. Zinc-plated steel locknut.	.240"-2.450" (.61-6.22)	Straight male N.P.S. or N.P.T.	T-65
Liquidtight Flexible Conduit Grip (Metal and Non-Metallic)		Wiring of machine tools, electrical enclosures, motors and systems where metallic liquidtight flexible conduit is subjected to vibration, flexure, motion or strain.	Stainless steel mesh, liquidtight fittings. Sealing "O" rings (optional). Choice of fittings.	.375"-4.000" trade sizes	N.P.T. ½"-4", Hubbell fittings, Male straight, 45° male, 90° male, female straight.	T-68, T-69
Liquidtight Flexible Conduit Grip (UL Type A)		Wiring or machine tools, electrical enclosures, motors and systems where conduit is subject to vibration and strain.	Stainless steel mesh, liquidtight fittings with "O" ring and locknut.	.375"-2.008" trade size male	N.P.T. steel, Hubbell fittings, straight male, 90° Thread sizes ½"-2".	T-70

Technical Information
Strain Relief Grips

Wire Mesh Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Strain relief grips • I-Grips
Stainless steel wire (302-304)	• High strength • Corrosion resistant • Slightly magnetic	• Deluxe cord grips • Liquidtight, flexible, metal conduit grips • UL type A conduit grips
Non-metallic strand	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• Non-metallic deluxe cord grips

Operating Temperatures

Material	Temperature Range
Aluminum	–40°F to +300°F (–40°C to +149°C).
Aluminum Deluxe Cord Grips	–30°F to +240°F (–34°C to +115°C).
Non-Metallic Deluxe Cord Grips	–30°F to +225°F (–34°C to +107°C).
Nylon	–40°F to +225°F (–40°C to +107°C).
Nylon Fitting with Stainless Steel Mesh	–40°F to +225°F (–40°C to +107°C).
Stainless Steel	–60°F to +1000°F (–51°C to +537°C).
Stainless Steel Deluxe Cord Grips	–30°F to +240°F (–34°C to +115°C).
Neoprene (Bushings)	–30°F to +240°F (–34°C to +115°C).

Hazardous Locations

	Product Categories
The product categories listed to the right are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2.	Deluxe cord grip, aluminum fitting; Deluxe cord grip, nylon fitting; Deluxe cord grip, non-metallic; Sealtite conduit grips; Dustight strain relief grips.

Flammability

Non-metallic deluxe cord grips will not support combustion. Listed below are the ratings.

Component	Rating
Mesh grip	UL 94HB.
Fitting	UL 94V-2.

Approvals

UL Listing and CSA Certification are indicated on appropriate product catalog pages.

Agency	UL Control Numbers
Underwriters Laboratories Inc.	898D and 899D.

Wet Locations

	Product Categories
The products noted to the right are suitable for use in wet locations when a listed sealing ring is used between box and fitting.	Deluxe cord grip, aluminum fitting; Deluxe sealing ring cord grip; Deluxe cord grip, non-metallic; Sealtite conduit grips; Hubbell non-metallic conduit grips; Cord connectors; Hubbell Juniors; PolyTuff® connectors; Hubbell sealtite conduit connectors.

Technical Information
Strain Relief Grips

Form Size Definition

The term "Form Size" refers to the physical mass or overall dimensions of a cord connector. Form 1 is the smallest size, Form 8 is the largest size.

Knockout Holes

N.P.T. Hub Size	Knockout Hole Recommended Min. to Max. Inches (cm)			
¼	.540"	to	.570"	(1.37-1.45)
⅜	.671"	to	.701"	(1.70-1.78)
½	.859"	to	.906"	(2.18-2.30)
¾	1.094"	to	1.141"	(2.78-2.90)
1	1.359"	to	1.406"	(3.45-3.57)
1¼	1.719"	to	1.766"	(4.37-4.49)
1½	1.969"	to	2.016"	(5.00-5.12)
2	2.453"	to	2.500"	(6.23-6.35)
2½	2.953"	to	3.000"	(7.50-7.62)
3	3.578"	to	3.625"	(9.09-9.21)

Product Data

Deluxe Cord Grips, Liquidtight for Insulated Cables

Deluxe Cord Grips helps to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out, and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and N.P.T. thread sizes. Additionally, a completely non-metallic product is offered on page T-63.

Application

Deluxe Cord Grips are used indoors or outdoors to help prevent cord pull-out, and where cables are subjected to moisture, splash or submersion. Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

• Helps to prevent cable pull-out.
• Controls cable arc-of-bend.
• Provides a liquidtight seal.
• Corrosion resistant stainless steel mesh with aluminum collar.

Technical Information
Strain Relief Grips

Deluxe Cord Grips Fitting Dimensions

Straight Hubbell Connectors

F N.P.T. Inches	Form	Aluminum, Inches (cm)						Nylon, Inches (cm)						Stainless Steel, Inches (cm)						
		A Dia.	B Ref.	C	D Throat Dia.	E A/C*	A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	A/F*	A A/C*	A/F	B	C	D Throat Dia.	E A/C*	A/F*
⅜-18	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	1.01" (2.57)	.88" (2.24)	.90" (2.29)	.46" (1.17)	.45" (1.14)	.87" (2.21)	.75" (1.90)
½-14	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	1.00" (2.54)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.46" (1.17)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	•	•	•	•	•	•	•
½-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.11" (2.82)	1.00" (2.54)	1.32" (3.35)	1.50" (3.81)	.53" (1.35)	.58" (1.47)	1.25" (3.17)	1.12" (2.84)	1.30" (3.30)	1.13" (2.87)	1.10" (2.79)	.54" (1.37)	.63" (1.60)	1.16" (2.95)	1.00" (2.54)
½-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.64" (1.63)	1.40" (3.56)	1.25" (3.17)	•	•	•	•	•	•	•	•	•	•	•	•	•
¾-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.29" (3.28)	1.13" (2.87)	•	•	•	•	•	•	•	•	•	•	•	•	•
¾-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.82" (2.08)	1.40" (3.56)	1.25" (3.17)	1.56" (3.96)	1.60" (4.06)	.55" (1.40)	.77" (1.96)	1.44" (3.66)	1.31" (3.33)	1.59" (4.04)	1.38" (3.51)	1.30" (3.30)	.56" (1.42)	.81" (2.06)	1.44" (3.66)	1.25" (3.17)
1-11½	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1-11½	4	1.75" (4.44)	1.60" (4.06)	.71" (1.80)	1.02" (2.59)	1.81" (4.60)	1.62" (4.11)	1.88" (4.78)	1.75" (4.44)	.70" (1.78)	1.01" (2.57)	1.84" (4.67)	1.63" (4.14)	2.02" (5.13)	1.75" (4.44)	1.40" (3.56)	.70" (1.78)	1.03" (2.62)	1.88" (4.78)	1.63" (4.14)
1-11½	5	2.31" (5.87)	1.70" (4.32)	.66" (1.68)	1.01" (2.57)	2.28" (5.79)	2.00" (5.08)	•	•	•	•	•	•	•	•	•	•	•	•	•
1¼-11½	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.26" (3.20)	2.28" (5.79)	2.12" (5.38)	•	•	•	•	•	•	•	•	•	•	•	•	•
1½-11	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.38" (3.51)	2.28" (5.79)	2.12" (5.38)	•	•	•	•	•	•	•	•	•	•	•	•	•
1½-11½	6	3.00" (7.62)	2.20" (5.59)	.75" (1.90)	1.50" (3.81)	2.97" (7.54)	2.75" (6.98)	•	•	•	•	•	•	•	•	•	•	•	•	•
2-11½	6	3.00" (7.62)	2.20" (5.59)	.80" (2.03)	1.92" (4.88)	3.24" (8.24)	3.00" (7.62)	•	•	•	•	•	•	•	•	•	•	•	•	•
2-11½	7	3.85" (9.78)	2.70" (6.86)	.88" (2.24)	1.94" (4.93)	4.05" (10.29)	3.75" (9.52)	•	•	•	•	•	•	•	•	•	•	•	•	•
2½-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.32" (5.89)	4.34" (11.02)	4.02" (10.21)	•	•	•	•	•	•	•	•	•	•	•	•	•
2½-8	8	4.75" (12.06)	2.70" (6.86)	1.25" (3.17)	2.38" (6.05)	4.86" (12.34)	4.50" (11.43)	•	•	•	•	•	•	•	•	•	•	•	•	•
3-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.54" (6.45)	4.34" (11.02)	4.01" (10.21)	•	•	•	•	•	•	•	•	•	•	•	•	•
3-8	8	4.50" (11.43)	2.70" (6.86)	1.38" (3.51)	3.00" (7.62)	4.86" (12.34)	4.50" (11.43)	•	•	•	•	•	•	•	•	•	•	•	•	•

*A/C— Across Corners; A/F—Across Flats

Dimensions shown are approximate and are subject to change without notice.

Kellems® Wire Management Products
Technical Information
Strain Relief Grips

Deluxe Cord Grips Fitting Dimensions

45° Hubbell Connectors

| F | | Aluminum, Inches (cm) | | | | | | |
N.P.T.	Form	A Ref	B Ref	C	D Throat Dia.	E Across Comers	Across Flats	G Dia.
½-14	2	2.00" (5.08)	1.90" (4.83)	.550" (1.40)	.560" (1.42)	1.270" (3.23)	1.110" (2.79)	1.125" (2.86)
¾-14	3	2.30" (5.84)	2.50" (6.53)	.560" (1.42)	.750" (1.90)	1.480" (3.76)	1.281" (3.25)	1.375" (3.49)
1-11½	4	2.60" (6.60)	2.80" (7.11)	.700" (1.78)	1.000" (2.54)	1.690" (4.29)	1.500" (3.81)	1.750" (4.44)
1¼-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.250" (3.17)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)
1½-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.500" (3.81)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)

90° Hubbell Connectors

| F | | Aluminum, Inches (cm) | | | | | | | Nylon, Inches (cm) | | | | | |
N.P.T.	Form	A	B Ref	C	D Throat Dia.	E A/C*	A/F*	G Dia.	A	B Ref	C Dia.	D Throat A/C*	E A/F Dia.	G
⅜-18	1	1.27" (3.23)	2.00" (5.08)	.460" (1.17)	.440" (1.12)	1.15" (2.92)	1.10" (2.79)	.875" (2.22)	•	•	•	•	•	•
½-14	2	1.56" (3.96)	2.30" (5.84)	.500" (1.27)	.546" (1.39)	1.30" (3.30)	1.13" (2.87)	1.125" (2.86)	1.41" (3.58)	2.50" (6.35)	.550" (1.40)	.575" (1.46)	1.23" (3.12) 1.12" (2.82)	1.315" (3.34)
¾-14	3	1.79" (4.55)	2.80" (7.11)	.560" (1.42)	.765" (1.94)	1.49" (3.78)	1.31" (3.33)	1.375" (3.49)	1.65" (4.19)	2.81" (7.14)	.560" (1.42)	.765" (1.94)	1.42" (3.61) 1.29" (3.28)	1.560" (3.96)
1-11½	4	2.08" (5.28)	3.20" (8.13)	.700" (1.78)	1.000" (2.54)	1.70" (4.32)	1.50" (3.81)	1.750" (4.44)	1.99" (5.05)	3.30" (8.38)	.700" (1.78)	1.010" (2.57)	1.82" (4.62) 1.60" (4.06)	1.875" (4.76)
1¼-11½	5	3.18" (8.08)	4.30" (10.92)	.730" (1.85)	1.260" (3.20)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)	•	•	•	•	•	•
1½-11½	5	3.18" (8.08)	4.30" (10.92)	.750" (1.92)	1.500" (3.81)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)	•	•	•	•	•	•
2-11½	6	3.51" (8.92)	5.50" (13.97)	.800" (2.03)	1.920" (4.88)	2.98" (7.57)	2.78" (7.06)	3.000" (7.62)	•	•	•	•	•	•

A/C - Across Corners; A/F - Across Flats

*Dimensions shown are approximate and
are subject to change without notice.*

Technical Information
Strain Relief Grips

A (Overall)

B Ref.

E

D

F   C   (N.P.T. Thread Depth)

Deluxe Cord Grips Fitting Dimensions
Female Hubbell Connectors

Aluminum Inches (cm)

F N.P.T.	Form	A Dia.	B Ref	C	D Throat Dia.	E Across Corners	E Across Flats
⅜-18	1	.88" (2.24)	1.40" (3.56)	.560" (1.42)	.44" (1.12)	.94" (2.39)	.81" (2.06)
½-14	2	1.13" (2.87)	1.80" (4.57)	.560" (1.42)	.63" (1.60)	1.15" (2.92)	1.00" (2.54)
¾-14	2	1.13" (2.87)	2.10" (5.33)	.750" (1.90)	.63" (1.60)	1.44" (3.66)	1.25" (3.17)
1-11½	4	1.75" (4.44)	2.30" (5.84)	.880" (2.24)	1.10" (2.79)	1.88" (4.78)	1.63" (4.14)
1¼-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)
1½-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)

Product Data
Dust-Tight Strain Relief Grips for Insulated Cables

Kellems Strain Relief Grips connect flexible cord or bus drop cable to electrical enclosures. For indoor use only, they are available with either insulated or non-insulated aluminum fittings, and feature single weave, galvanized steel mesh grips with patented wide range mesh construction. They come with a locknut and a neoprene gasket that provides a dust tight seal.

Application

Used to connect electrical cable to power boxes, cabinets, panel boards, power centers, machine tools and with bus drop systems.

Benefits

- Helps prevent cord or cable pull-out.
- Provides a dust tight seal.
- Easy installation.
- Patented mesh construction.
- One piece design.

I-Grips for Insulated Cables

Kellems I-Grips are made of high strength, plastic coated galvanized steel strand. They are offered in six sizes to fit all cable diameters used with Hubbell Insulgrip® Kellems I-Grips will control cable arc-of-bend and reduce high pull tensions from being transmitted to the wiring terminals.

Application

Kellems I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place.

I-Grips can be used on any Insulgrip cord set which requires cable, arc-of-bend control or heavy duty strain relief. Cord sets used at in-door construction sites or for plant maintenance jobs are examples.

These grips are for indoor use only.

Benefits

- Easily attached to Insulgrip plugs and connector bodies.
- Fits all sizes.
- Provides heavy duty strain relief.
- Controls cable arc-of-bend.

Dimensions shown are approximate and are subject to change without notice.

Note: I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.

Kellems® Wire Management Products
Technical Information
Strain Relief for Liquidtight Conduit

Strain Relief Grips for Liquidtight Flexible Metal and PolyTuff I Non-Metallic Conduit

Kellems Liquidtight, Flexible Metal Conduit Grips are offered with high quality Hubbell plated steel fittings in a wide variety of N.P.T. sizes and configurations, either insulated or non-insulated. The addition of a stainless steel mesh to these fittings makes them stronger than the conduit itself. Kellems Conduit Grips helps prevent conduit pull-out from the connecting fitting that is subject to stress, pull tension, vibration, motion or strain. They promote safe electrical systems and reduce equipment downtime.

Application

Kellems Conduit Grips are used in the wiring of machine tools, motors, molding equipment, transformers, weaving and paper machines, fans, lighting, bakeries, breweries, food processing, chemical plants, dairies, mines and any application that requires Liquidtight Conduit.

Benefits

• Helps prevent conduit pull-out and damage at the fitting.

• Reduces equipment downtime.

• Liquidtight fittings.

• Easily installed.

• Stainless steel grip resists corrosion.

Kellems Conduit Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code.

Connectors with insulated throats protect insulation on wires during wire pulling. Yellow color easily seen by inspectors. 2½" - 4" sizes include insulating bushing instead of fixed insulator.

Nylon gland ring is split for ease of installation and greater compression. Reversible design cannot be installed facing the wrong way. Nylon is impervious to liquids, resistant to temperature extremes and resists abrasion.

Hardened Steel Locknut has tangs that dig into box for excellent continuity of ground. Locknut will not slip or spin.

Steel grounding ferrule easily threaded by hand. Fits convolutions to conduit. Eliminates pullouts and insures continuty of ground. Distortion free to remain reusable.

Hexagonal compression nut is screw machined steel through 1" and malleable iron on larger sizes.

Optional Sealing Washer gives better liquidtight protection around knockout of sheet metal box. Neoprene gasket seals out liquids and steel retaining ring protects gasket from distortion. Order separately.

Body is virutally unbreakable. Straight connectors through 1" are screw machine steel; other sizes malleable iron. Threads at left are tapered to insure liquidtight seal in threaded hub. Liquidtight conduit cutaway view shows flexible steel core under plastic jacket.

Wire mesh grip prevents pullout.

Liquidtight conduit cutaway view shows flexible steel core under plastic jacket.

Strain Relief for UL Type A, Flexible, Liquidtight Conduit

Kellems Grips for UL Type A, non-metallic, flexible, liquidtight conduit are available in straight and 90° male and feature a high quality Hubbell plated steel or malleable iron fitting, complete with a sealing O-ring, lock nut and stainless steel mesh. These grips increase the retention of the conduit in the fitting, control its arc-of-bend and provide a liquidtight seal.

Application

These grips are used on UL Type A non-metallic conduit connections at limit switches, motor boxes, panel boards, control stations and on all types of machinery and machine tools.

Benefits

- Provides a liquidtight seal.
- Helps prevent conduit pull-out.
- Reduces conduit cutting, kinking, fraying and splitting at the fitting.
- Easily installed.

Steel Locknut has tangs that dig into box for excellent continuity of ground. Locknut will not slip or spin.

Neoprene O-ring is factory assembled into the body to seal out liquids.

Body is virtually unbreakable. Straight connectors through 1" are screw machine steel; other sizes are malleable iron. Threads are tapered to insure liquidtight seal when used in threaded hub. Octagonal shape inside holds the ferrule to prevent conduit from twisting during installation.

Wire mesh grip prevents pullout.

Insulated throat protects insulation on wires during pulling. Yellow color easily seen by inspectors.

Yellow nylon ferrule fits inside non-metallic conduit to hold the shape. Barb in designed to assure liquidtight seal even with non-square cut. Ferrule is keyed to fit into body to prevent conduit twisting.

Hexagonal compression nut is machine steel through 1" malleable iron on larger sizes. Tapered interior compresses sleeve over conduit sealing out liquids and preventing pullout.

Yellow nylon sleeve installs over conduit. Six slits in sleeve permit tight compression onto conduit as compression nut is tightened.

Kellems® Wire Management Products
Technical Information
Strain Relief for Liquidtight Conduit

Liquidtight Conduit Grip Fitting Dimensions-Inches

Straight with Male Fitting

Trade Size	A Ref.	B	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Numbers
⅜	1.43"	.59"	1.20"	1.06"	.61"	1.07"	.93"	074093401
½	1.43"	.59"	1.34"	1.19"	.61"	1.22"	1.06"	074093402
¾	1.56"	.59"	1.55"	1.37"	.84"	1.43"	1.25"	074093403
1	1.68"	.66"	1.95"	1.69"	1.06"	1.73"	1.56"	074093404
1¼	2.03"	.63"	2.39"	2.06"	1.37"	2.36"	2.08"	074093405
1½	2.21"	.63"	2.72"	2.38"	1.53"	2.79"	2.48"	074093406
2	2.28"	.69"	3.08"	2.87"	2.06"	3.32"	2.90"	074093408

Straight with Male Fitting with Insulated Throat

Trade Size	A Ref.	B	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Numbers
⅜	1.50"	.66"	1.20"	1.06"	.57"	1.07"	.93"	074093511
½	1.50"	.66"	1.34"	1.19"	.57"	1.22"	1.06"	074093512
¾	1.62"	.66"	1.55"	1.38"	.78"	1.43"	1.25"	074093513
1	1.75"	.72"	1.95"	1.69"	.98"	1.73"	1.56"	074093514
1¼	2.09"	.69"	2.39"	2.06"	1.29"	2.36"	2.08"	074093515
1½	2.28"	.69"	2.72"	2.37"	1.53"	2.79"	2.48"	074093516
2	2.34"	.75"	3.08"	2.87"	1.95"	3.32"	2.90"	074093518
2½	3.56"	1.06"	3.92"	3.62"	2.42"	3.85"	3.60"	074093520
3	3.81"	1.06"	4.70"	4.31"	3.01"	4.65"	4.33"	074093522
4	3.81"	1.06"	5.75"	5.31"	3.96"	5.75"	5.39"	074093526

45° Angle with Male Fitting

Trade Size	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Numbers
⅜	1.19"	1.28"	.59"	1.20"	1.06"	.60"	1.16"	1.02"	074093441
½	1.19"	1.28"	.59"	1.34"	1.19"	.61"	1.21"	1.06"	074093442
¾	1.19"	1.43"	.59"	1.55"	1.45"	.84"	1.50"	1.32"	074093443
1	1.38"	1.53"	.66"	1.95"	1.69"	1.05"	1.82"	1.59"	074093444
1¼	1.42"	1.69"	.63"	2.39"	2.06"	1.37"	2.32"	2.03"	074093445
1½	1.66"	2.00"	.66"	2.72"	2.38"	1.60"	2.62"	2.29"	074093446
2	1.69"	2.25"	.66"	3.08"	2.88"	2.05"	3.21"	2.80"	074093448

45° Angle with Male Fitting with Insulated Throat

Trade Size	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Numbers
⅜	1.25"	1.28"	.66"	1.20"	1.06"	.57"	1.16"	1.02"	074093561
½	1.25"	1.28"	.66"	1.34"	1.19"	.57"	1.21"	1.06"	074093562
¾	1.25"	1.44"	.66"	1.55"	1.45"	.78"	1.50"	1.32"	074093563
1	1.44"	1.53"	.72"	1.95"	1.69"	.98"	1.82"	1.59"	074093564
1¼	1.48"	1.69"	.69"	2.39"	2.06"	1.29"	2.32"	2.03"	074093565
1½	1.72"	2.00"	.72"	2.72"	2.38"	1.53"	2.62"	2.29"	074093566
2	1.75"	2.25"	.72"	3.08"	2.87"	1.95"	3.21"	2.80"	074093568

90° Angle with Male Fitting

Trade Size	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Numbers
⅜	1.31"	.59"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	074093421
½	1.31"	.59"	1.34"	1.12"	1.44"	.61"	1.21"	1.00"	074093422
¾	1.44"	.59"	1.55"	1.45"	1.63"	.83"	1.48"	1.29"	074093423
1	1.78"	.66"	1.95"	1.60"	2.19"	1.05"	1.80"	1.57"	074093424
1¼	1.97"	.63"	2.39"	2.06"	2.50"	1.37"	2.32"	2.02"	074093425
1½	2.19"	.66"	2.72"	2.38"	2.69"	1.61"	2.58"	2.25"	074093426
2	2.53"	.66"	3.08"	2.87"	3.25"	2.05"	3.14"	2.75"	074093428

90° Angle with Male Fitting with Insulated Throat

Trade Size	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Numbers
⅜	1.38"	.66"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	074093541
½	1.38"	.66"	1.34"	1.12"	1.44"	.57"	1.21"	1.00"	074093542
¾	1.50"	.66"	1.55"	1.45"	1.63"	.78"	1.48"	1.29"	074093543
1	1.84"	.66"	1.95"	1.60"	2.19"	.98"	1.80"	1.57"	074093544
1¼	2.03"	.69"	2.39"	2.06"	2.50"	1.29"	2.32"	2.02"	074093545
1½	2.25"	.69"	2.72"	2.38"	2.69"	1.53"	2.58"	2.20"	074093546
2	2.59"	.72"	3.08"	2.87"	3.25"	1.95"	3.14"	2.75"	074093548
2½	3.44"	1.00"	3.92"	3.63"	4.25"	2.42"	3.78"	3.50"	074093550
3	3.75"	1.00"	4.70"	4.31"	4.87"	3.01"	4.64"	4.30"	074093552

Dimensions shown are approximate and are subject to change without notice.

Technical Information
Strain Relief for Liquidtight Conduit

Dimensional Charts For UL Type A, Liquidtight Conduit Grip Fittings

Straight with Male Fitting with Insulated Throat

Trade Size N.P.T. Inches	Dimensions Inches (cm)				Catalog Numbers
	A	B	C	D	
⅜	1.922" (4.88)	.594" (1.51)	1.156" (2.94)	3.75" (9.52)	**H038CNK**
½	1.922" (4.88)	.594" (1.51)	1.250" (3.17)	4.50" (11.43)	**H050CNK**
¾	2.016" (5.12)	.594" (1.51)	1.500" (3.81)	6.25" (15.87)	**H075CNK**
1	2.157" (5.48)	.719" (1.83)	1.844" (4.68)	7.50" (19.05)	**H100CNK**
1¼	2.219" (5.64)	.750" (1.91)	2.312" (5.87)	9.00" (22.86)	**H125CNK**
1½	2.344" (5.95)	.750" (1.91)	2.578" (6.55)	13.50" (34.29)	**H150CNK**
2	2.406" (6.11)	.750" (1.91)	3.187" (8.09)	14.50" (36.83)	**H200CNK**

90° Angle with Male Fitting with Insulated Throat

Trade Size N.P.T. Inches	Dimensions Inches (cm)					Catalog Numbers
	E	F	G	H	I	
⅜	1.250" (3.18)	.594" (1.51)	1.156" (2.94)	1.453" (3.69)	3.75" (9.52)	**H0389CNK**
½	1.281" (3.25)	.594" (1.51)	1.250" (3.17)	1.453" (3.69)	4.50" (11.43)	**H0509CNK**
¾	1.438" (3.65)	.594" (1.51)	1.500" (3.81)	1.000" (2.54)	6.25" (15.87)	**H0759CNK**
1	1.750" (4.44)	.719" (1.83)	1.844" (4.68)	2.125" (5.40)	7.50" (19.05)	**H1009CNK**
1¼	1.969" (5.00)	.750" (1.91)	2.312" (5.87)	2.344" (5.95)	9.00" (22.86)	**H1259CNK**
1½	2.250" (5.71)	.750" (1.91)	2.578" (6.55)	2.500" (6.35)	13.50" (34.29)	**H1509CNK**
2	2.531" (6.43)	.750" (1.91)	3.187" (8.09)	2.781" (7.06)	14.50" (36.83)	**H2009CNK**

Dimensions shown are approximate and are subject to change without notice.

Kellems® Wire Management Products
Cord Connectors
Features and Benefits

Machined threads provide a strong positive seal. The tapered interior dome easily drives the bushing into the connector body.

The patented GOTHCA® ring incorporates a split hinge design to prevent friction and provide strain relief, also color-coded for sizing identification.

Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection.

The connector body is a one-piece design with machined threads. A tapered interior seats the bushing evenly for a liquidtight seal.

Hubbell has the broadest line and the widest choice of materials in the industry. N.P.T. hub sizes from ¼" to 3" in straight male end, 90°, 45°, female and underground feed connectors. They are available in your choice of aluminum, plated steel, nylon and stainless steel.

Hubbell offers a full line of machined aluminum cord connectors in N.P.T. hub sizes ¼" through 1" and cast aluminum 1" to 3". They provide durable performance and a clean attractive look without adding unwanted weight. N.P.T. hub sizes ¼" to 1" feature an attractive knurled finish which makes them easy to handle and maintain a U.L. listing by hand tightening.

The zinc-plated steel cord connectors offers the strength of steel and the corrosion resistance of zinc-plating. These heavy-duty connectors hold up to most manufacturing chemicals including acid solutions, solvents and other corrosive materials.

Their machined steel nut and body allows for tightening the compression nut and N.P.T. hub without worrying about stripping the threads. For larger size cord, N.P.T. hub sizes 1" to 2", Hubbell utilizes malleable iron connectors which provide excellent holding and liquidtight performance.

Hubbell's nylon cord connectors resist most common industrial corrosives and provide highly effective pullout protection in a lightweight design. They are ideal for any application where weight, conductivity or corrosion may be an issue. They're available in N.P.T. hub sizes from ¼" to 1".

Stainless steel cord connectors provide superior strength and corrosion resistance for industrial and military applications. They are machined from 300 series stainless steel and come in ¼" to 1", N.P.T. hub sizes.

Straight Male Cord Connectors

Form Size 1-3

UL Listed to Type 4, 4X, 12 and Type 13

IP66*
SUITABILITY

Machined Aluminum

Machined Zinc-Plated Steel

Straight Male

N.P.T. Hub Size	Cord Dia. Inches (mm)	Form Size	Color Code	Machined Aluminum	Machined Zinc-Plated Steel	Stainless Steel	Nylon Gray	Nylon Black
¼	.06"-.13" (1.6-3.2)	F1	Green	•	•	•	SHC1001CR	•
	.13"-.19" (3.2-4.7)		Orange	SHC1002	•	•	SHC1002CR	•
	.19"-.25" (4.7-6.3)		Red	SHC1003	•	SHC1003SS	SHC1003CR	•
	.25"-.31" (6.3-7.9)		Black	SHC1004	•	SHC1004SS	SHC1004CR	•
	.31"-.38" (7.9-9.5)		White	SHC1005**	•	•	SHC1005CR	SHC2005CR
	.38"-.44" (9.5-11)		Blue	•	•	•	SHC1006CR	•
⅜	.06"-.13" (1.6-3.2)	F1	Green	SHC1007	•	•	•	•
	.13"-.19" (3.2-4.7)		Orange	SHC1008	SHC1008ZP	•	SHC1008CR	SHC2008CR
	.19"-.25" (4.7-6.3)		Red	SHC1009	•	SHC1009SS	SHC1009CR	•
	.25"-.31" (6.3-7.9)		Black	SHC1010	SHC1010ZP	•	SHC1010CR	SHC2010CR
	.31"-.38" (7.9-9.5)		White	SHC1011	•	SHC1011SS	SHC1011CR	SHC2011CR
	.38"-.44" (9.5-11.0)		Blue	SHC1012	SHC1012ZP	SHC1012SS	SHC1012CR	SHC2012CR
½	.19"-.25" (4.7-6.3)	F1	Red	SHC1015	•	•	•	•
	.25"-.31" (6.3-7.9)		Black	SHC1016	•	•	•	•
	.31"-.38" (7.9-9.5)		White	SHC1017	•	•	•	•
	.38"-.44" (9.5-11.0)		Blue	SHC1018	•	•	•	•
½	.06"-.13" (1.6-3.2)	F2	Green	SHC1019	•	•	SHC1019CR	•
	.13"-.19" (3.2-.4.7)		Orange	SHC1020	SHC1020ZP	SHC1020SS	SHC1020CR	•
	.19"-.25" (4.7-6.3)		Red	SHC1021	SHC1021ZP	SHC1021SS	SHC1021CR	SHC2021CR
	.25"-.38" (6.3-.9.7)		White	SHC1022	SHC1022ZP	SHC1022SS	SHC1022CR	SHC2022CR
	.38"-.50" (9.7-12.7)		Blue	SHC1023	SHC1023ZP	SHC1023SS	SHC1023CR	SHC2023CR
	.50"-.63" (12.7-15.9)		Brown	SHC1024	SHC1024ZP	SHC1024SS	SHC1024CR**	SHC2024CR**
½	.38"-.50" (9.7-12.7)	F3	Blue	SHC1025	•	•	•	•
	.50"-.63" (12.7-15.9)		Brown	SHC1026	•	•	•	•
	.63"-.75" (15.9-19.0)		Yellow	SHC1027**	SHC1027ZP**	•	•	•
	.75"-.88" (19.0-22.2)		Orchid	SHC1028**	SHC1028ZP**	•	•	•

Notes: See pages T-93 to T-102 for additional technical data and dimensional drawings.
*IP66 Suitability when used with optional metal clad O-ring shown on page T-89.
**Cable jacket may have to be stripped to pass through connector body.

Kellems® Wire Management Products

Straight Male Cord Connectors

Straight Male Cord Connectors

Form Size 2-4

IP66*
SUITABILITY

UL Listed to Type 4, 4X, 12 and Type 13

Straight Male

N.P.T. Hub Size	Cord Dia. Inches (mm)	Form Size	Color Code	Machined Aluminum	Machined Zinc-Plated Steel	Stainless Steel	Nylon Gray	Nylon Black
¾	.06"-.13" (1.6-3.2)	F2	Green	SHC1029	•	•	•	•
	.13"-.19" (3.2-4.7)		Orange	SHC1030	SHC1030ZP	•	•	•
	.19"-.25" (4.7-6.3)		Red	SHC1031	SHC1031ZP	•	•	•
	.25"-.38" (6.3-9.7)		White	SHC1032	SHC1032ZP	•	•	•
	.38"-.50" (9.7-12.7)		Blue	SHC1033	SHC1033ZP	•	•	•
	.50"-.63" (12.7-15.9)		Brown	SHC1034	SHC1034ZP	•	•	•
¾	.38"-.50" (9.5-12.7)	F3	Blue	•	SHC1035ZP	SHC1035SS	SHC1035CR	SHC2035CR
	50"-.63" (12.7-15.9)		Brown	SHC1036	•	SHC1036SS	SHC1036CR	SHC2036CR
	.63"-.75" (15.9-19.0)		Yellow	SHC1037	SHC1037ZP	SHC1037SS	SHC1037CR	SHC2037CR
	.75"-.88" (19.0-22.2)		Orchid	SHC1038**	SHC1038ZP**	SHC1038SS**	SHC1038CR**	SHC2038CR**
1	.50"-.63" (12.7-15.9)	F3	Brown	•	SHC1097ZP	•	•	•
	.63"-.75" (15.9-19.0)		Yellow	•	SHC1098ZP	•	•	•
	.75"-.88" (19.0-22.2)		Orchid	•	SHC1099ZP	•	•	•
1	.38"-.50" (9.7-12.7)	F4	Blue	SHC1039	•	•	SHC1039CR	•
	.50"-.63" (12.7-15.9)		Brown	SHC1040	•	•	SHC1040CR	•
	.63"-.75" (15.9-19.0)		Yellow	SHC1041	•	SHC1041SS	SHC1041CR	SHC2041CR
	.75"-.88" (19.0-22.2)		Orchid	SHC1042	•	SHC1042SS	SHC1042CR	SHC2042CR
	.88"-1.00" (22.2-25.4)		Gray	SHC1043	SHC1043ZP	•	SHC1043CR	SHC2043CR
	1.00"-1.13" (25.4-28.6)		Pink	SHC1044**	•	SHC1044SS**	SHC1044CR**	SHC2044CR**

Stainless Steel

Gray Nylon

Black Nylon

Notes: See pages T-93 to T-102 for additional technical data and dimensional drawings.
*IP66 Suitability when used with optional metal clad O-ring shown on page T-89.
**Cable jacket may have to be stripped to pass through connector body.
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.

Straight Male Cord Connectors
Form Size 5-8

UL Listed to Type 4,
4X, 12 and Type 13

IP66*
SUITABILITY

Cast Aluminum

**Cast Aluminum
Malleable Iron**

Straight Male

N.P.T. Hub Size	Cord Diameter Inches	(mm)	Form Size	Cast Aluminum	Malleable Iron
1	.88"-1.00"	(22.2-25.4)	F5	SHC1046	•
	1.00"-1.13"	(25.4-28.6)		SHC1047**	•
	1.13"-1.25"	(28.6-31.7)		SHC1048**	•
	1.25"-1.38"	(31.7-34.9)		SHC1049**	•
1¼	.75"-.88"	(19.0-22.2)	F5	SHC1050	•
	.88"-1.00"	(22.2-25.4)		SHC1051	•
	1.00"-1.13"	(25.4-28.6)		SHC1052	SHC1052ZP
	1.13"-1.25"	(28.6-31.7)		SHC1053	SHC1053ZP
	1.25"-1.38"	(31.7-34.9)		SHC1054**	SHC1054ZP
1½	.75"-.88"	(19.0-22.2)	F5	SHC1055	•
	.88"-1.00"	(22.2-25.4)		SHC1056	•
	1.00"-1.13"	(25.4-28.6)		SHC1057	SHC1057ZP
	1.13"-1.25"	(28.6-31.7)		SHC1058	SHC1058ZP
	1.25"-1.38"	(31.7-34.9)		SHC1059	SHC1059ZP
1½	1.38"-1.50"	(34.9-38.1)	F6	SHC1061	•
	1.50"-1.63"	(38.1-41.3)		SHC1062**	•
	1.63"-1.75"	(41.3-44.4)		SHC1063**	•
	1.75"-1.88"	(44.4-47.6)		SHC1064**	•
2	1.25"-1.38"	(31.7-34.9)	F6	SHC1065	•
	1.38"-1.50"	(34.9-38.1)		SHC1066	•
	1.50"-1.63"	(38.1-41.3)		SHC1067	•
	1.63"-1.75"	(41.3-44.4)		SHC1068	•
	1.75"-1.88"	(44.4-47.6)		SHC1069	•
2	1.69"-1.81"	(42.9-46.0)	F7	SHC1070	•
	1.81"-1.94"	(46.0-49.2)		SHC1071	•
	1.94"-2.06"	(49.2-52.4)		SHC1072**	•
	2.06"-2.19"	(52.4-55.6)		SHC1073**	•
	2.19"-2.31"	(55.6-58.7)		SHC1074**	•
2½	1.69"-1.81"	(42.9-46.0)	F7	SHC1076	•
	1.81"-1.94"	(46.0-49.2)		SHC1077	•
	1.94"-2.06"	(49.2-52.4)		SHC1078	•
	2.06"-2.19"	(52.4-55.6)		SHC1079	•
	2.19"-2.31"	(55.6-58.7)		SHC1080	•
	2.31"-2.44"	(58.7-61.9)		SHC1081**	•
3	1.69"-1.81"	(42.9-46.0)	F7	SHC1086	•
	1.94"-2.06"	(49.2-52.4)		SHC1088	•
	2.06"-2.19"	(52.4-55.6)		SHC1089	•
	2.19"-2.31"	(55.6-58.7)		SHC1090	•
	2.31"-2.44"	(58.7-61.9)		SHC1091	•
3	2.44"-2.63"	(61.9-66.7)	F8	SHC1092	•
	2.63"-2.81"	(66.7-71.4)		SHC1093	•
	2.81"-3.00"	(71.4-76.2)		SHC1094	•
	3.00"-3.25"	(76.2-82.5)		SHC1095**	•

Notes: See pages T-93 to T-102 for additional technical data and dimensional drawings.
*IP66 Suitability when used with optional metal clad O-ring shown on page T-89.
**Cable jacket may have to be stripped to pass through connector body.
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.
F5 and larger will not be color coded.

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

45° Male Cord Connectors
Form Size 2-5

UL Listed to Type 4,
4X, 12 and Type 13

IP66*
SUITABILITY

45° Male

N.P.T. Hub Size	Cord Diameter Inches	(mm)	Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated Steel∆	Cast Aluminum
	.19"-.25"	(4.7-6.3)	F2	Red	VHC1021	•	•
½	.25"-.38"	(6.3-9.7)		White	VHC1022	VHC1022ZP	•
	.38"-.50"	(9.7-12.7)		Blue	VHC1023	VHC1023ZP	•
	.50"-.63"	(12.7-15.9)		Brown	VHC1024**	VHC1024ZP**	•
	.38"-.50"	(9.7-12.7)		Blue	VHC1035	•	•
¾	.50"-.63"	(12.7-15.9)	F3	Brown	VHC1036	•	•
	.63"-.75"	(15.9-19.0)		Yellow	VHC1037**	•	•
1	.63"-.75"	(15.9-19.0)		Yellow	VHC1041	•	•
	.75"-.88"	(19.0-22.2)	F4	Orchid	VHC1042	•	•
1¼	1.00"-1.13"	(25.4-28.6)			•	•	VHC1052
	1.13"-1.25"	(28.6-31.7)	F5		•	•	VHC1053**

Notes: See pages T-93 to T-102 for additional technical data and dimensional drawings.
*IP66 Suitability when used with optional metal clad O-ring shown on page T-89.
**Cable jacket may have to be stripped to pass through connector body.
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.
† Nuts are machined aluminum and bodies are cast aluminum.
∆ Nuts are machined zinc-plated steel and bodies are malleable iron, cadmium plated.

Machined Aluminum †

Machined Zinc-Plated Steel ∆

Cast Aluminum

90° Male Cord Connectors
Form Size 1-6

UL Listed to Type 4, 4X, 12 and Type 13

IP66*
SUITABILITY

90° Male

N.P.T. Hub Size	Cord Diameter Inches	(mm)	Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated Steel∆	Nylon Gray	Nylon Black	Cast Aluminum
⅜	.25"-.31"	(6.3-7.9)		Black	NHC1010	•	•	•	•
	.31"-.38"	(7.9-9.5)	F1	White	NHC1011	•	•	•	•
	.38"-.44"	(9.5-11.0)		Blue	NHC1012	•	•	•	•
½	.06"-.13"	(1.6-3.2)		Green	•	•	•	•	•
	.13"-.19"	(3.2-4.7)		Orange	NHC1020	•	NHC1020CR	•	•
	.19"-.25"	(4.7-6.3)	F2	Red	NHC1021	NHC1021ZP	NHC1021CR	•	•
	.25"-.38"	(6.3-9.7)		White	NHC1022	NHC1022ZP	NHC1022CR	NHC2022CR	•
	.38"-.50"	(9.7-12.7)		Blue	NHC1023	NHC1023ZP	NHC1023CR	NHC2023CR	•
	.50"-.63"	(12.7-15.9)		Brown	NHC1024**	NHC1024ZP**	NHC1024CR**	NHC2024CR**	•
¾	.38"-.50"	(9.7-12.7)		Blue	NHC1035	NHC1035ZP	NHC1035CR	•	•
	.50"-.63"	(12.7-15.9)	F3	Brown	NHC1036	NHC1036ZP	NHC1036CR	•	•
	.63"-.75"	(15.9-19.0)		Yellow	NHC1037	NHC1037ZP	NHC1037CR	•	•
	.75"-.88"	(19.0-22.2)		Orchid	NHC1038	NHC1038ZP	NHC1038CR	•	•
1	.50"-.63"	(12.7-15.9)		Brown	NHC1040	•	•	•	•
	.63"-.75"	(15.9-19.0)		Yellow	NHC1041	NHC1041ZP	NHC1041CR	NHC2041CR	•
	.75"-.88"	(19.0-22.2)	F4	Orchid	NHC1042	•	NHC1042CR	NHC2042CR**	•
	.88"-1.00"	(22.2-25.4)		Gray	NHC1043**	•	NHC1043CR	NHC2043CR**	•
	1.00"-1.13"	(25.4-28.7)		Pink	NHC1044**	•	•	•	•
1¼	.88"-1.00"	(22.2-25.4)		•	•	•	•	•	NHC1051
	1.00"-1.13"	(25.4-28.6)	F5	•	•	•	•	•	NHC1052
	1.13"-1.25"	(28.6-31.7)		•	•	•	•	•	NHC1053**
	1.25"-1.38"	(31.7-34.9)		•	•	•	•	•	NHC1054**
1½	1.00"-1.13"	(25.4-28.6)		•	•	•	•	•	NHC1057
	1.13"-1.25"	(28.6-31.7)	F5	•	•	•	•	•	•
	1.25"-1.38"	(31.7-34.9)		•	•	•	•	•	NHC1059
2	1.38"-1.50"	(34.9-38.1)	F6	•	•	•	•	•	NHC1066

Notes: See pages T-93 to T-102 for additional technical data and dimensional drawings.
  * IP66 Suitability when used with optional metal clad O-ring shown on page T-89.
  ** Cable jacket may have to be stripped to pass through connector body.
  † Nuts are machined aluminum and bodies are cast aluminum.
  ∆ Compression nuts are machined zinc-plated steel and bodies are zinc-plated malleable iron.

Machined Aluminum †

Machined Zinc-Plated Steel ∆

Gray Nylon

Black Nylon

Cast Aluminum

Straight Female

N.P.T. Hub Size	Cord Diameter Inches	(mm)	Form Size	Color Code	Machined Aluminum
½	.25"-.38"	(6.3-9.7)	F2	White	**FHC1022**
	.38"-.50"	(9.7-12.7)		Blue	**FHC1023**
¾	.38"-.50"	(9.7-12.7)	F2	Blue	**FHC1033**
	.50"-.63"	(12.7-15.9)		Brown	**FHC1034**
1	.75"-.88"	(19.0-22.2)	F4	Orchid	**FHC1042†**
	.88"-1.00"	(22.2-25.4)		Gray	**FHC1043†**

Notes: See pages T-93 to T-102 for additional technical data and dimensional drawings.
*Cable jacket may have to be stripped to pass through connector body.
†Nuts are machined aluminum and bodies are cast aluminum.

IP66*
SUITABILITY

Underground Feeder Connectors

N.P.T. Hub Size	Diameter Inches	(mm)	UF** Wire Size	Machined Aluminum	Machined Zinc-Plated Steel	Nylon Gray	Nylon Black
½	.2"x.4" min .25"-.55" max	(5.1 x 10.2) (6.3 x 14.0)	2 # 14, 2 # 12, 2 # 10.	UFC0001	UFC0001ZP	UFC0001CR	UFC2001CR
¾	.2"x.4" min .25"-.55" max	(5.1x10.2) (6.3x14.0)	2 # 14, 2 # 12, 2 # 10.	UFC0002	•	•	•
¾	.2"x.6" min .26"x.78" max	(5.1x15.2) (6.6x19.8)	3 # 14, 3 # 12, 3 # 10.	UFC0003	•	UFC0003CR	UFC2003CR

Notes: See pages T-93 to T-102 for additional technical data and dimensional drawings.
*IP66 Suitability when used with optional metal clad O-ring shown on page T-89.
**Wire sizes vary among manufacturers.

Metric Aluminum Cord Connectors

Hub Size	Cord Diameter Inches	(mm)	Form Size	Catalog Numbers
M16	.31"-.38"	(7.9-9.7)	F1	**SHCM161011**
M20	.31"-.38"	(7.9-9.7)	F1	**SHCM201017**
M20	.25"-.38"	(6.3-9.7)	F2	**SHCM201022**
M20	.38"-.50"	(9.7-12.7)	F2	**SHCM201023**
M20	.50"-.62"	(12.7-15.8)	F2	**SHCM201024**
M25	.38"-.50"	(9.7-12.7)	F2	**SHCM251033**
M25	.50"-.62"	(12.7-15.8)	F2	**SHCM251034**
M30	.63"-75"	(15.9-19.0)	F3	**SHCM301037**

Machined Aluminum

Machined Aluminum

Machined Zinc-Plated Steel

Gray Nylon

Machined Aluminum

Low Profile N.P.T., PG and Metric Thread Connectors
Non-Metallic Cord Connectors

IP66*
SUITABILITY

Low Profile N.P.T. Cord Connectors

SEC100BA

N.P.T. Hub Size	Cord Diameter Inches	(mm)	Color	Catalog Numbers	Non-metallic Locknuts
⅜	.18"-.31"	(4.6-7.9)	Gray	SEC38GA*	31622002LPK50
⅜	.18"-.31"	(4.6-7.9)	Black	SEC38BA*	31622002LPK50
½	.17"-.45"	(4.3-11.4)	Gray	SEC50GA	31622003LPK50
½	.17"-.45"	(4.3-11.4)	Black	SEC50BA	31622003LPK50
¾	.45"-.71"	(11.4-18.0)	Gray	SEC75GA	31622007LPK50
¾	.45"-.71"	(11.4-18.0)	Black	SEC75BA	31622007LPK50
1	.59"-1.00"	(15-25.4)	Gray	SEC100GA	31622008LPK50
1	.59"-1.00"	(15-25.4)	Black	SEC100BA	31622008LPK50

Notes: See pages T-93 to T-102 for additional technical data and dimensional drawings.
Catalog numbers with "PK50" suffix are bulk packed 50 pieces.

Low Profile PGᐃ Cord Connectors

SECP29GA

Hub Size	Cord Diameter Inches	(mm)	Color	Catalog Numbers	Non-metallic Locknuts
PG7	.11"-.25"	(2.9-6.4)	Gray	SECP7GA*	LNP7BPK100
PG7	.11"-.25"	(2.9-6.4)	Black	SECP7BA*	LNP7BPK100
PG9	.18"-.31"	(4.6-7.9)	Gray	SECP9GA*	LNP9BPK100
PG9	.18"-.31"	(4.6-7.9)	Black	SECP9BA*	LNP9BPK100
PG11	.23"-.40"	(5.8-10.0)	Gray	SECP11GA*	LNP11BPK100
PG11	.23"-.40"	(5.8-10.0)	Black	SECP11BA*	LNP11BPK100
PG13.5	.17"-.47"	(4.3-11.9)	Gray	SECP13GA	LNP13BPK100
PG13.5	.17"-.47"	(4.3-11.9)	Black	SECP13BA	LNP13BPK100
PG16	.23"-.53"	(5.8-13.5)	Gray	SECP16GA	LNP16BPK100
PG16	.23"-.53"	(5.8-13.5)	Black	SECP16BA	LNP16BPK100
PG21	.45"-.71"	(11.4-17.9)	Gray	SECP21GA	LNP21BPK100
PG21	.45"-.71"	(11.4-17.9)	Black	SECP21BA	LNP21BPK100
PG29	.59"-.99"	(15-25.2)	Gray	SECP29GA	LNP29BPK25
PG29	.59"-.99"	(15-25.2)	Black	SECP29BA	LNP29BPK25
PG36	.88"-1.30"	(22.2-32.0)	Gray	SECP36GA	LNP36BPK25
PG36	.88"-1.30"	(22.2-32.0)	Black	SECP36BA	LNP36BPK25

Low Profile Metric Cord Connectors

LNP29BPK25

Hub Size	Cord Diameter Inches	(mm)	Color	Catalog Numbers	Non-metallic Locknuts
M12	.12"-.25"	(2.9-6.4)	Gray	SECM12G	LNM12BPK100
M12	.12"-.25"	(2.9-6.4)	Black	SECM12B	LNM12BPK100
M16	.11"-.31"	(2.7-7.9)	Gray	SECM16G	LNM16BPK100
M16	.11"-.31"	(2.7-7.9)	Black	SECM16B	LNM16BPK100
M20	.17"-.45"	(4.3-11.4)	Gray	SECM20G*	LNM20BPK100
M20	.17"-.45"	(4.3-11.4)	Black	SECM20B*	LNM20BPK100
M25	.49"-.71"	(12.3-18.0)	Gray	SECM25G*	LNM25BPK100
M25	.49"-.71"	(12.3-18.0)	Black	SECM25B*	LNM25BPK100
M32	.59"-1.00"	(15.0-25.4)	Gray	SECM32G*	LNM32BPK100
M32	.59"-1.00"	(15.0-25.4)	Black	SECM32B*	LNM32BPK100
M40	.87"-1.30"	(22.0-32.0)	Gray	SECM40G	LNM40BPK100
M40	.87"-1.30"	(22.0-32.0)	Black	SECM40B	LNM40BPK100

Notes: See pages T-93 to T-102 for additional technical data and dimensional data.
Catalog numbers above with "PK100" suffix, i.e. LNP7BPK100, are bulk packed 100 per carton.
Catalog numbers above with "PK25" suffix, i.e. LNP29BPK25, are bulk packed 25 per carton.
* Items indicated are UL recognized components.
ᐃ Panzergewinde.

Kellems® Wire Management Products
Accessories

Cord Connector Parts

N.P.T. Hub Size	Cord Diameter Inches	(mm)	Form Size	Bushing Catalog Numbers	Color Code	GOTCHA® Ring Catalog Numbers
¼, ⅜, ½	.062"-.125"	(1.58-3.17)	F1	31518101BPK100	Green	31648035GPK100
	.125"-.187"	(3.17-4.76)		31518102BPK100	Orange	31648036GPK100
	.187"-.250"	(4.76-6.35)		31518103BPK100	Red	31648037GPK100
	.250"-.312"	(6.35-7.93)		31518104BPK100	Black	31648038GPK100
	.312"-.375"	(7.93-9.50)		31518105BPK100	White	31605010GPK100
	.375"-.437"	(9.50-11.1)		31518106BPK100	Blue	31648039GPK100
½, ¾	.187"-.250"	(4.76-6.35)	F2	31518110BPK100	Red	31648042GPK100
	.250"-.375"	(6.35-9.50)		31518111BPK100	White	31605015GPK100
	.375"-.500"	(9.50-12.7)		31518112BPK100	Blue	31648043GPK100
	.500"-.625"	(12.7-15.8)		31518113BPK100	Brown	31648044GPK100
½, ¾	.375"-.500"	(9.50-12.7)	F3	31518116BPK100	Blue	31648045GPK100
	.500"-.625"	(12.7-15.8)		31518117BPK100	Brown	31648046GPK100
	.625"-.750"	(15.8-19.0)		31518118BPK100	Yellow	31648047GPK100
	.750"-.875"	(19.0-22.2)		31518119BPK100	Orchid	31648048GPK100
1	.500"-.625"	(12.7-15.8)	F4	31518123BPK100	Brown	31648050GPK100
	.625"-.750"	(15.8-19.0)		31518124BPK100	Yellow	31648051GPK100
	.750"-.875"	(19.0-22.2)		31518125BPK100	Orchid	31648052GPK100
	.875"-1.00"	(22.2-25.4)		31518126BPK100	Gray	31648053GPK100
	1.00"-1.125"	(25.4-28.5)		31518127BPK100	Pink	31648054GPK100

Note: Catalog numbers above with "PK100" suffix, i.e. 31518101BPK100, are bulk packed 100 per carton.

Locknuts — Steel and Non-Metallic

N.P.T. Hub Size	Zinc-Plated Steel	Non-Metallic
¼	•	31622001LPK50
⅜	•	31622002LPK50
½	00322001LPK50	31622003LPK50
¾	00322002LPK50	31622007LPK50
1	00322003LPK50	31622008LPK50
1¼	00322004LPK50	•
1½	00322005LPK50	•

*Notes: Catalog numbers above with "PK50" suffix, i.e. 00322001LPK50, are bulk packed 50 per carton.
See page T-102 for additional technical data and dimensional drawings.*

Zinc-Plated Steel Locknuts

Non-Metallic Locknuts

Metal Clad Sealing O-Rings

N.P.T. Hub Size	Catalog Numbers
½	20509001
¾	20509002
1	20509003
1¼	20509004
1½	20509005
2	20509006
2½	20509007
3	20509008

Note: See page T-102 for additional technical data and dimensional drawings.

Metal Clad Sealing O-Rings

Kellems® Wire Management Products

Hubbell Juniors® Miniature Connectors

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com

Kellems® Wire Management Products
Hubbell Juniors® Miniature Connectors
Features and Benefits

Nylon spiral provides arc-of-bend control for cord protection.

Nylon compression nut has a tapered interior dome to easily drive the bushing into the connector body.

Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief.

Lubricated neoprene bushing compresses evenly for a liquidtight seal and added pull-out protection.

Nylon connector body is a one piece design with a tapered interior that seals the bushing evenly for a positive seal.

Threaded hexagon shaped nylon locknut secures tightly and is also corrosion resistant.

Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors. They feature the same GOTCHA® ring technology and neoprene bushings. They also come with or without a nylon spiral for arc-of-bend control and longer cord life. They are available in ¼", ⅜", and ½" N.P.T. sizes in both gray and black.

Hubbell Juniors® Miniature Nylon Cord Connectors

Gray Cord Connector

Black Cord Connector

Miniature Nylon Cord Connector

N.P.T. Hub Size	Cord Diameter Range Inches	(mm)	Gray	Black
¼	.08"-.14"	(1.9-3.4)	HJ1001GPK25	HJ1001BPK25
	.14"-.20"	(3.4-5.1)	HJ1002GPK25	HJ1002BPK25
	.20"-.27"	(5.1-6.7)	HJ1003GPK25	HJ1003BPK25
⅜	.15"-.21"	(3.7-5.3)	HJ1004GPK25	HJ1004BPK25
	.21"-.28"	(5.3-7.0)	HJ1005GPK25	HJ1005BPK25
	.28"-.34"	(7.0-8.6)	HJ1006GPK25	HJ1006BPK25
½	.06"-.13"	(1.6-3.2)	HJ1055GPK25	HJ1055BPK25
	.13"-.19"	(3.2-4.7)	HJ1056GPK25	HJ1056BPK25
	.19"-.25"	(4.7-6.3)	HJ1057GPK25	HJ1057BPK25
	.25"-.31"	(6.3-7.9)	HJ1058GPK25	HJ1058BPK25
	.31"-.38"	(7.9-9.5)	HJ1059GPK25	HJ1059BPK25
	.38"-.44"	(9.5-11.1)	HJ1060GPK25	HJ1060BPK25

Gray Cord Connector with Spiral

Black Cord Connector with Spiral

Miniature Nylon Cord Connector with Spiral

N.P.T. Hub Size	Cord Diameter Range Inches	(mm)	Gray	Black
¼	.08"-.14"	(1.9-3.4)	HJ1010GPK25	HJ1010BPK25
	.14"-.20"	(3.4-5.1)	HJ1011GPK25	HJ1011BPK25
	.20"-.27"	(5.1-6.7)	HJ1012GPK25	HJ1012BPK25
⅜	.15"-.21"	(3.7-5.3)	HJ1013GPK25	HJ1013BPK25
	.21"-.28"	(5.3-7.0)	HJ1014GPK25	HJ1014BPK25
	.28"-.34"	(7.0-8.6)	HJ1015GPK25	HJ1015BPK25
½	.13"-.19"	(3.2-4.7)	HJ1038GPK25	HJ1038BPK25
	.19"-.25"	(4.7-6.3)	HJ1039GPK25	HJ1039BPK25
	.25"-.31"	(6.3-7.9)	HJ1040GPK25	HJ1040BPK25
	.31"-.38"	(7.9-9.5)	HJ1041GPK25	HJ1041BPK25
	.38"-.44"	(9.5-11.1)	HJ1042GPK25	HJ1042BPK25
¾	.25"-.49"	(6.4-12.3)	HJ1043GPK25	HJ1043BPK25
	.45"-.71"	(11.4-18.0)	HJ1044GPK25	HJ1044BPK25

Gray Snap-In Cord Connector

Miniature Nylon Snap-In Cord Connector with Spiral

Cord Diameter Range Inches	(mm)	For Chassis Thickness	Gray	Black
.22"-.27"	(5.6-6.9)	.10" (2.5) Max	HS1001GPK25	HS1001BPK25
.28"-.32"	(7.1-8.1)	.10" (2.5) Max	HS1002GPK25	HS1002BPK25
.30"-.36"	(7.6-9.1)	.13" (3.2) Max	HS1003GPK25	HS1003BPK25
.32"-.43"	(8.1-10.9)	.13" (3.2) Max	HS1004GPK25	HS1004BPK25

*Notes: Catalog numbers above with "**PK25**" suffix, i.e. **HJ1001GPK25**, are bulk packed 25 per carton. See pages T-103 and T-104 for additonal technical data and dimensional drawings.*

Black Snap-In Cord Connector

Kellems® Wire Management Products
Technical Information
Cord Connectors

Operating Temperatures

Material	Temperature Range	
Aluminum	-40°F to +300°F	(-40°C to +149°C)
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F	(-40°C to +107°C)
Plated steel*	-60°F to +1000°F	(-51°C to +537°C)
Stainless steel*	-60°F to +1000°F	(-51°C to +537°C)
Neoprene (bushings)	-30°F to +240°F	(-34°C to +115°C)

Due to the limiting factors of nylon and neoprene, any complete cord connector with a GOTCHA ring, Form 1-5, will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Cord connectors without GOTCHA rings, Form 6-8, will continuously operate in the range -30°F to +240°F (-34°C to +115°C) due to the limiting factor of neoprene.

Hazardous Locations

Hubbell cord connectors are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 in accordance with the NEC.

Flammability

Hubbell nylon cord connectors have a UL 94-V2 rating.

Approvals

Agency

UL Listed in accordance with Standard 514B.
CSA Certified.
United States Coast Guard Approved, Title 46-Part 111.

Form Size Definition

The term "Form Size" refers to the physical overall size of a cord connector.
Form 1 is the smallest size.
Form 8 is the largest size.

Knockout Holes

N.P.T. Hub Size	Knockout Hole Recommended Min. to Max. Inches	(mm)	PG Hub Size	Knockout Hole Recommended Inches	(mm)	Metric Hub Size	Knockout Hole Recommended Inches	(mm)
¼	.54"-.57"	(13.7-14.5)	PG7	492"	(12.5)	M12	.472"	(12)
⅜	.67"-.70"	(17.0-17.8)	PG9	599"	(15.2)	M16	.629"	(16)
½	.86"-.91"	(21.8-23.0)	PG11	.733"	(18.6)	M20	.787"	(20)
¾	1.04"-1.09"	(26.4-27.8)	PG13.5	.804"	(20.4)	M25	.984"	(25)
1	1.36"-1.41"	(34.5-35.7)	PG16	.888"	(22.5)	M32	1.25"	(32)
1¼	1.72"-1.77"	(43.7-44.9)	PG21	1.15"	(28.3)	M40	1.57"	(40)
1½	1.97"-2.02"	(50.0-51.2)	PG29	1.47"	(34.3)			
2	2.45"-2.50"	(62.3-63.5)	PG36	1.85"	(47.0)			
2½	2.95"-3.00"	(75.0-76.2)						
3	3.58"-3.63"	(90.9-92.1)						

N.P.T., PG and Metric Thread Low Profile Connectors

Specifications

Material	6/6 Nylon.
Gland	Buna N.
Temperature Range	-22°F to 225°F (-30°C to 107°C).
	Cord Connectors are Halogen and Silicon free.
Protection Class	IP66 Suitability.
Flammability	UL 94V-2.
Listings/Certifications	UL Listing File E-41567, UL Recognition File E-41567.
	CSA File LR27378C, VDE Marks Licence #136681.

SECP29G

Kellems® Wire Management Products
Technical Information
Cord Connectors

Straight Hubbell Connectors

F		Aluminum Inches (mm)						Nylon Inches (mm)					
		A	B	C	D	E Throat		A	B	C	D	E Throat	
N.P.T.	Form	Dia.	Ref.		Dia.	A/C*	A/F*	Dia.	Ref.		Dia.	A/C*	A/F*
¼-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.32" (8.1)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.33" (8.4)	.1.00" (25.4)	.93" (23.6)
⅜-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.45" (11.4)	1.00" (25.4)	.93" (23.6)
½-14	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	1.00" (25.4)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.46" (11.7)	.45" (11.4)	1.00" (25.4)	.93" (23.6)
½-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.53" (13.5)	.58" (14.7)	1.25" (31.7)	1.12" (28.4)
½-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	•	•	•	•	•	•
¾-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	•	•	•	•	•	•
¾-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.55" (14.0)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)
1-11½	4	1.75" (44.4)	1.60" (40.6)	.71" (18.0)	1.02" (25.9)	1.81" (46.0)	1.62" (41.1)	1.88" (47.8)	1.75" (44.4)	.70" (17.8)	1.01" (25.7)	1.84" (46.7)	1.63" (41.4)
1-11½	5	2.31" (58.7)	1.70" (43.2)	.66" (16.8)	1.01" (25.7)	2.28" (57.9)	2.00" (50.8)	•	•	•	•	•	•
1¼-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.26" (32.0)	2.28" (57.9)	2.12" (53.8)	•	•	•	•	•	•
1½-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.38" (35.1)	2.28" (57.9)	2.12" (53.8)	•	•	•	•	•	•
1½-11½	6	3.00" (76.2)	2.20" (55.9)	.75" (19.0)	1.50" (38.1)	2.97" (75.4)	2.75" (69.8)	•	•	•	•	•	•
2-11½	6	3.00" (76.2)	2.20" (55.9)	.80" (20.3)	1.92" (48.8)	3.24" (82.4)	3.00" (76.2)	•	•	•	•	•	•
2-11½	7	3.85" (97.8)	2.70" (68.6)	.88" (22.4)	1.94" (49.3)	4.05" (102.9)	3.75" (95.2)	•	•	•	•	•	•
2½-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.32" (58.9)	4.34" (110.2)	4.02" (102.1)	•	•	•	•	•	•
2½-8	8	4.75" (120.6)	2.70" (68.6)	1.25" (31.7)	2.38" (60.5)	4.86" (123.4)	4.50" (114.3)	•	•	•	•	•	•
3-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.54" (64.5)	4.34" (110.2)	4.02" (102.1)	•	•	•	•	•	•
3-8	8	4.50" (114.3)	2.70" (68.6)	1.38" (35.1)	3.00" (76.2)	4.86" (123.4)	4.50" (114.3)	•	•	•	•	•	•

A/C— Across Corners; A/F—Across Flats

Dimensions shown are approximate and are subject to change without notice.

Technical Information
Cord Connectors

Straight Hubbell Connectors

F N.P.T.	Form	Zinc-Plated Steel Inches (mm) A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	Stainless Steel Inches (mm) A A/C*	A A/F*	B	C	D Throat Dia.	E A/C*	E A/F*
¼- 18	1	•	•	•	•	•	•	•	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.38" (9.7)	.87" (22.1)	.75" (19.0)
⅜-18	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.42" (10.7)	.45" (11.4)	.99" (25.1)	.88" (22.4)	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.45" (11.4)	.87" (22.1)	.75" (19.0)
½-14	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.55" (14.0)	.45" (11.4)	1.00" (25.4)	.88" (22.4)	•	•	•	•	•	•	•
½-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.10" (28.2)	1.00" (25.4)	1.30" (33.0)	1.13" (28.7)	1.10" (27.9)	.54" (13.7)	.63" (16.0)	1.16" (29.5)	1.00" (25.4)
½-14	3	1.55" (39.4)	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	•	•	•	•	•	•	•
¾-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	•	•	•	•	•	•	•
¾-14	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.59" (40.4)	1.38" (35.1)	1.30" (33.0)	.56" (14.2)	.81" (20.6)	1.44" (36.6)	1.25" (31.7)
1-11½	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.70" (17.8)	.89" (22.6)	1.54" (39.1)	1.38" (35.1)	•	•	•	•	•	•	•
1-11½	4	1.92" (48.8)	1.69" (42.9)	1.60" (40.6)	.70" (17.8)	1.02" (25.9)	1.95" (49.5)	1.69" (42.9)	2.02" (51.3)	1.75" (44.4)	1.40" (35.6)	.70" (17.8)	1.03" (26.2)	1.88" (47.8)	1.63" (41.4)
1-11½	5	2.40" (61.0)		1.70" (43.2)	.70" (17.8)	1.02" (25.9)	2.46" (62.5)	2.15" (54.6)	•	•	•	•	•	•	•
1¼-11½	5	2.40" (61.0)		1.70" (43.2)	.73" (18.5)	1.27" (32.3)	2.48" (63.0)	2.19" (55.6)	•	•	•	•	•	•	•
1½-11½	5	2.40" (61.0)		1.70" (43.2)	.74" (18.8)	1.39" (35.3)	2.48" (63.0)	2.19" (55.6)	•	•	•	•	•	•	•
1½-11½	6	3.06" (77.7)		2.20" (55.9)	.75" (19.0)	1.52" (38.6)	3.04" (77.2)	2.83" (71.9)	•	•	•	•	•	•	•
2-11½	6	3.06" (77.7)		2.20" (55.9)	.78" (19.8)	1.92" (48.8)	3.32" (84.3)	3.07" (78.0)	•	•	•	•	•	•	•
2-11½	7	3.95" (100.3)		2.70" (68.6)	.78" (19.8)	1.99" (50.5)	4.18" (106.2)	3.89" (98.8)	•	•	•	•	•	•	•
2½-8	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2½-8		•	•	•	•	•	•	•	•	•	•	•	•	•	•
3-8	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3-8	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•

A/C— Across Corners; A/F—Across Flats

Technical Information
Cord Connectors

45° Hubbell Connectors

F N.P.T.	Form	Aluminum Inches (mm)							Zinc Plated Steel Inches (mm)							
		A Ref.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.	A Ref.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Across Corners	G Across Flats
½-14	2	2.00" (50.8)	1.90" (48.3)	.55" (14.0)	.56" (14.2)	1.27" (32.3)	1.10" (27.9)	1.13" (28.6)	1.97" (50.0)	1.90" (48.3)	.55" (14.0)	.57" (14.4)	1.24" (31.5)	1.06" (26.9)	1.27" (32.3)	1.13" (28.6)
¾-14	3	2.30" (58.4)	2.50" (65.3)	.56" (14.2)	.75" (19.0)	1.48" (37.6)	1.28" (32.5)	1.38" (34.9)	•	•	•	•	•	•	•	•
1-11½	4	2.60" (66.0)	2.80" (71.1)	.70" (17.8)	1.00" (25.4)	1.69" (42.9)	1.50" (38.1)	1.75" (44.4)	•	•	•	•	•	•	•	•
1½-11½	5	3.90" (99.1)	3.90" (9.91)	.74" (18.8)	1.25" (31.7)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	•	•	•	•	•	•	•	•
1½-11½	5	3.90" (99.1)	3.90" (99.1)	.74" (18.8)	1.50" (38.1)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	•	•	•	•	•	•	•	•

90° Hubbell Connectors

F N.P.T.	Form	Aluminum Inches (mm)							Zinc Plated Steel Inches (mm)							
		A	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.	A	B	C Ref.	D Throat Dia.	E Across Corners	E Across Flats	G Across Corners	G Across Flats
⅜-18	1	1.27" (32.3)	2.00" (50.8)	.46" (11.7)	.44" (11.2)	1.15" (29.2)	1.10" (27.9)	.88" (22.2)	•	•	•	•	•	•	•	•
½-14	2	1.56" (39.6)	2.30" (58.4)	.50" (12.7)	.55" (13.9)	1.30" (33.0)	1.13" (28.7)	1.13" (28.6)	1.65" (41.9)	2.38" (60.5)	.55" (14.0)	.55" (13.8)	1.29" (32.8)	1.13" (28.7)	1.27" (32.3)	1.13" (28.6)
¾-14	3	1.79" (45.5)	2.80" (71.1)	.56" (14.2)	.77" (19.4)	1.49" (37.8)	1.31" (33.3)	1.38" (34.9)	1.88" (47.8)	2.90" (73.7)	.56" (14.2)	.77" (19.4)	1.52" (38.6)	1.33" (33.8)	1.55" (39.2)	1.38" (34.9)
1-11½	4	2.08" (52.8)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.70" (43.2)	1.50" (38.1)	1.75" (44.4)	2.16" (54.9)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.72" (43.7)	1.50" (38.1)	1.92" (48.8)	1.69" (42.8)
1¼-11½	5	3.18" (80.8)	4.30" (109.2)	.73" (18.5)	1.26" (32.0)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	•	•	•	•	•	•	•	•
1½-11½	5	3.18" (80.8)	4.30" (109.2)	.75" (19.2)	1.50" (38.1)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	•	•	•	•	•	•	•	•
2-11½	6	3.51" (89.2)	5.50" (139.7)	.80" (20.3)	1.92" (48.8)	2.98" (75.7)	2.78" (70.6)	3.00" (76.2)	•	•	•	•	•	•	•	•

90° Hubbell Connectors

F N.P.T.	Form	Nylon Inches (mm)						
		A	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.
⅜-18	1	•	•	•	•	•	•	•
½-14	2	1.41" (35.8)	2.50" (63.5)	.55" (14.0)	.58" (14.6)	1.23" (31.2)	1.12" (28.2)	1.32" (33.4)
¾-14	3	1.65" (41.9)	2.81" (71.4)	.56" (14.2)	.77" (19.4)	1.42" (36.1)	1.29" (32.8)	1.56" (39.6)
1-11½	4	1.99" (50.5)	3.30" (83.8)	.70" (17.8)	1.01" (25.7)	1.82" (46.2)	1.60" (40.6)	1.88" (47.6)

Dimensions shown are approximate and are subject to change without notice.

Technical Information
Cord Connectors

Female Hubbell Connectors

Aluminum		Inches (mm)					
F		**A**	**B**	**C**	**D** Throat Dia.	**E** Across Corners	Across Flats
N.P.T.	**Form**	**Dia.**	**Ref.**				
⅜-18	1	.88" (22.4)	1.40" (35.6)	.56" (14.2)	.44" (11.2)	.94" (23.9)	.81" (20.6)
½-14	2	1.13" (28.7)	1.80" (45.7)	.56" (14.2)	.63" (16.0)	1.15" (29.2)	1.00" (25.4)
¾-14	2	1.13" (28.7)	2.10" (53.3)	.75" (19.0)	.63" (16.0)	1.44" (36.6)	1.25" (31.7)
1-11½	4	1.75" (44.5)	2.30" (58.4)	.88" (22.4)	1.10" (27.9)	1.88" (47.8)	1.63" (41.4)
1¼-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)
1½-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)

A (Overall)
B Ref.
E
D
C (N.P.T. Thread Depth)

A (Overall)
B Ref.
E
F
C
D

Underground Feeder Connectors

	Aluminum Inches (mm)						Nylon Inches (mm)						Zinc-Plated Steel Inches (mm)					
F	**A**	**B**	**C**	**D** Thrt.	**E**		**A**	**B**	**C**	**D** Thrt.	**E**		**A**	**B**	**C**	**D** Thrt.	**E**	
N.P.T.	**Form**	**Dia.**	**Ref.**	**Dia.**	**A/C***	**A/F***	**Dia.**	**Ref.**		**Dia.**	**A/C***	**A/F***	**A/C***	**A/F***	**Ref.**	**Dia.**	**A/C***	**A/F***
½-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.10" (27.9)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.55" (14.0)	.58" (14.7)	1.25" (31.7)	1.13" (28.7)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)
¾-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (25.4)	•	•	•	•	•	•	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)
¾-14	3	1.13" (28.7)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.56" (14.2)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.56" (14.2)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)

*A/C - Across Corners; A/F - Across Flats

Low Profile Non-Metallic N.P.T., PG and Metric Thread Connectors

	Nylon Inches (mm)					
Hub Size	**A**	**B**	**C**	**D**	**E**	**F**
⅜ N.P.T.	0.670" (17.0)	1.41" (35.8)	0.48" (12.4)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
½ N.P.T.	0.875" (22.2)	1.70" (43.2)	0.61" (15.5)	0.21" (5.3)	0.88" (24.8)	0.66" (16.8)
¾ N.P.T.	1.068" (27.1)	2.00" (50.8)	0.62" (15.7)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
1 N.P.T.	1.375" (35.0)	2.41" (61.2)	0.76" (19.3)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG7	0.492" (12.5)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.48" (12.4)
PG9	0.599" (15.2)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
PG11	0.733" (18.6)	1.48" (37.6)	0.38" (9.7)	0.21" (5.3)	0.94" (23.9)	0.70" (17.8)
PG13.5	0.804" (20.4)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
PG16	0.888" (22.5)	1.68" (42.7)	0.44" (11.2)	0.25" (6.4)	1.06" (27.0)	0.76" (19.3)
PG21	1.15" (28.3)	1.89" (48.0)	0.52" (13.2)	0.25" (6.4)	1.30" (33.0)	.085" (21.6)
PG29	1.47" (37.30)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG36	1.85" (47.0)	2.39" (60.7)	0.47" (11.9)	0.31" (7.9)	2.05" (52.7)	1.19" (30.2)
M12	0.473" (12.0)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.49" (12.4)
M16	0.630" (16.0)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
M20	0.787" (20.0)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
M25	0.985" (25.0)	1.89" (48.0)	0.52" (13.2)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
M32	1.260" (32.0)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
M40	1.575" (40.0)	2.39" (60.7)	0.48" (12.2)	0.30" (7.6)	2.05" (52.1)	1.19" (30.2)

B
F
D
C
E
SEALING NUT

A
Recommended knockout size

Kellems® Wire Management Products
Technical Information
Cord Connectors

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#18**	**#18**	**#16**	**#14**	**#18**	**#16**	**#14**	**#12**	**#10**	**#8**
Approximate Diameter		.25" (6.2)	.31" (7.8)	.33" (8.4)	.37" (9.3)	.38" (9.7)	.40" (10.2)	.54" (13.7)	.62" (15.6)	.68" (17.1)	.81" (20.6)
N.P.T.	**Form**	**Catalog Numbers***									
¼	1	HC1004	HC1004	HC1005	HC1005	HC1006	HC1006	•	•	•	•
⅜	1	HC1010	HC1010	HC1011	HC1011	HC1012	HC1012	•	•	•	•
½	1	HC1016	HC1016	HC1017	HC1017	HC1018	HC1018	•	•	•	•
½	2	HC1022	HC1022	HC1022	HC1022	HC1023	HC1023	HC1024	HC1024	•	•
½	3	•	•	•	•	HC1025	HC1025	HC1026	HC1026	HC1027	HC1028
¾	2	HC1032	HC1032	HC1032	HC1032	HC1033	HC1033	HC1034	HC1034	•	•
¾	3	•	•	•	•	HC1035	HC1035	HC1036	HC1036	HC1037	HC1038
1	4	•	•	•	•	HC1039	HC1039	HC1040	HC1040	HC1041	HC1042
1	5	•	•	•	•	•	•	•	•	•	HC1045
1¼	5	•	•	•	•	•	•	•	•	•	HC1050
1½	5	•	•	•	•	•	•	•	•	•	HC1055
1½	6	•	•	•	•	•	•	•	•	•	•
2	6	•	•	•	•	•	•	•	•	•	•
2	7	•	•	•	•	•	•	•	•	•	•
2½	7	•	•	•	•	•	•	•	•	•	•
3	7	•	•	•	•	•	•	•	•	•	•
Color		Black	Black	White	White	Blue	Blue	Brown	Brown	Yellow	Orchid

* Must add prefix, see Note 1; suffix, see Note 2, on page T-101.
‡ F5 and larger will not be color coded.

3 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#18**	**#18**	**#16**	**#14**	**#18**	**#16**	**#14**	**#12**	**#10**	**#8**
Approximate Diameter		.26" (6.5)	.33" (8.3)	.35" (8.9)	.39" (9.8)	.39" (9.9)	.42" (10.7)	.57" (14.4)	.65" (16.4)	.71" (18.0)	.85" (21.5)
N.P.T.	**Form**	**Catalog Numbers***									
¼	1	HC1004	HC1005	HC1005	HC1006	HC1006	HC1006	•	•	•	•
⅜	1	HC1010	HC1011	HC1011	HC1012	HC1012	HC1012	•	•	•	•
½	1	HC1016	HC1017	HC1017	HC1018	HC1018	HC1018	•	•	•	•
½	2	HC1022	HC1022	HC1022	HC1023	HC1023	HC1023	HC1024	•	•	•
½	3	•	•	•	HC1025	HC1025	HC1025	HC1026	HC1027	HC1027	HC1028
¾	2	HC1032	HC1032	HC1032	HC1033	HC1033	HC1033	HC1034	•	•	•
¾	3	•	•	•	HC1035	HC1035	HC1035	HC1036	HC1037	HC1037	HC1038
1	4	•	•	•	HC1039	HC1039	HC1039	HC1040	HC1041	HC1041	HC1042
1	5	•	•	•	•	•	•	•	•	•	HC1045
1¼	5	•	•	•	•	•	•	•	•	•	HC1050
1½	5	•	•	•	•	•	•	•	•	•	HC1055
1½	6	•	•	•	•	•	•	•	•	•	•
2	6	•	•	•	•	•	•	•	•	•	•
2	7	•	•	•	•	•	•	•	•	•	•
2½	7	•	•	•	•	•	•	•	•	•	•
3	7	•	•	•	•	•	•	•	•	•	•
Color		Black	White	White	Blue	Blue	Blue	Brown	Yellow	Yellow	Orchid

* Must add prefix, see Note 1; suffix, see Note 2, on page T-101.
‡ F5 and larger will not be color coded.

Technical Information
Cord Connectors

2 Conductors

CordType		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Diameter		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)	2.16" (51.9)
N.P.T.	Form	Catalog Numbers*									
¼	1	•	•	•	•	•	•	•	•	•	•
⅜	1	•	•	•	•	•	•	•	•	•	•
½	1	•	•	•	•	•	•	•	•	•	•
½	2	•	•	•	•	•	•	•	•	•	•
½	3	•	•	•	•	•	•	•	•	•	•
¾	2	•	•	•	•	•	•	•	•	•	•
¾	3	•	•	•	•	•	•	•	•	•	•
1	4	HC1043	HC1044	•	•	•	•	•	•	•	•
1	5	HC1046	HC1047	HC1048	HC1049	•	•	•	•	•	•
1¼	5	HC1051	HC1052	HC1053	HC1054	•	•	•	•	•	•
1½	5	HC1056	HC1057	HC1058	HC1059	•	•	•	•	•	•
1½	6	•	•	•	HC1060	HC1061	HC1062	HC1063	HC1064	•	•
2	6	•	•	•	HC1065	HC1066	HC1067	HC1068	HC1069	•	•
2	7	•	•	•	•	•	•	•	HC1070	HC1071	HC1073
2½	7	•	•	•	•	•	•	•	HC1076	HC1077	HC1079
3	7	•	•	•	•	•	•	•	HC1086	HC1087	HC1089
Color		Gray‡	Pink‡	‡	‡	‡	‡	‡	‡	‡	‡

* Must add prefix, see Note 1; suffix, see Note 2, on page T-101.
‡ F5 and larger will not be color coded.

3 Conductors

CordType		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Diameter		1.00" (25.4)	1.17" (29.7)	1.24" (31.5)	1.34" (34.0)	1.51" (38.4)	1.65" (41.9)	1.75" (44.5)	1.80" (48.0)	2.07" (52.6)	2.39" (60.7)
N.P.T.	Form	Catalog Numbers*									
¼	1	•	•	•	•	•	•	•	•	•	•
⅜	1	•	•	•	•	•	•	•	•	•	•
½	1	•	•	•	•	•	•	•	•	•	•
½	2	•	•	•	•	•	•	•	•	•	•
½	3	•	•	•	•	•	•	•	•	•	•
¾	2	•	•	•	•	•	•	•	•	•	•
¾	3	•	•	•	•	•	•	•	•	•	•
1	4	HC1044	•	•	•	•	•	•	•	•	•
1	5	HC1047	HC1048	HC1048	HC1049	•	•	•	•	•	•
1¼	5	HC1052	HC1053	HC1053	HC1054	•	•	•	•	•	•
1½	5	HC1057	HC1058	HC1058	HC1059	•	•	•	•	•	•
1½	6	•	•	•	HC1060	HC1062	HC1063	HC1064	•	•	•
2	6	•	•	•	HC1065	HC1067	HC1068	HC1069	•	•	•
2	7	•	•	•	•	•	•	HC1070	HC1071	HC1073	HC1075
2½	7	•	•	•	•	•	•	HC1076	HC1077	HC1079	HC1081
3	7	•	•	•	•	•	•	HC1086	HC1087	HC1089	HC1091
Color		Gray‡	‡	‡	‡	‡	‡	‡	‡	‡	‡

* Must add prefix, see Note 1; suffix, see Note 2, on page T-101.
‡ F5 and larger will not be color coded.

Technical Information
Cord Connectors

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#18**	**#16**	**#14**	**#18**	**#16**	**#14**	**#12**	**#10**	**#8**
Approx. Diameter		.36" (9.0)	.39" (9.8)	.43" (10.8)	.42" (10.7)	.45" (11.4)	.61" (15.5)	.70" (17.8)	.77" (19.4)	.97" (24.6)
N.P.T.	**Form**	**Catalog Numbers***								
¼	1	HC1005	HC1006	HC1006	HC1006	•	•	•	•	•
⅜	1	HC1011	HC1012	HC1012	HC1012	•	•	•	•	•
½	1	HC1017	HC1018	HC1018	HC1018	•	•	•	•	•
½	2	HC1022	HC1023	HC1023	HC1023	HC1023	HC1024	•	•	•
½	3	•	HC1025	HC1025	HC1025	HC1025	HC1026	HC1027	HC1028	•
¾	2	•	HC1033	HC1033	HC1033	HC1033	HC1034	•	•	•
¾	3	•	HC1035	HC1035	HC1035	HC1035	HC1036	HC1037	HC1038	
1	4	•	HC1039	HC1039	HC1039	HC1039	HC1040	HC1041	HC1042	HC1043
1	5	•	•	•	•	•	•	•	•	HC1046
1¼	5	•	•	•	•	•	•	•	•	HC1051
1½	5	•	•	•	•	•	•	•	•	HC1056
1½	6	•	•	•	•	•	•	•	•	•
2	6	•	•	•	•	•	•	•	•	•
2	7	•	•	•	•	•	•	•	•	•
2½	7	•	•	•	•	•	•	•	•	•
3	7	•	•	•	•	•	•	•	•	•
Color		White	Blue	Blue	Blue	Blue	Brown	Yellow	Orchid	Gray‡

* Must add prefix, see Note 1; suffix, see Note 2, on page T-101.
‡ F5 and larger will not be color coded.

5 Conductors

Cord Type		S, SO, ST, STO						
Cord Size		**#18**	**#16**	**#14**	**#12**	**#10**	**#8**	**#6**
Approx. Diameter		.50" (12.7)	.54" (13.7)	.70" (17.7)	.76" (19.3)	.83" (21.1)	1.06" (26.9)	1.18" (30.0)
N.P.T.	**Form**	**Catalog Numbers***						
½	2	HC1023	HC1024	•	•	•	•	•
½	3	HC1025	HC1026	HC1027	HC1028	HC1028	•	•
¾	2	HC1033	HC1034	•	•	•	•	•
¾	3	HC1035	HC1036	HC1037	HC1038	HC1038	•	•
1	4	HC1039	HC1040	HC1041	HC1042	HC1042	HC1044	•
1	5	•	•	•	HC1045	HC1045	HC1047	HC1048
1¼	5	•	•	•	HC1050	HC1050	HC1052	HC1053
1½	5	•	•	•	HC1055	HC1055	HC1057	HC1058
Color		Blue	Brown	Yellow	Orchid‡	Orchid‡	Pink‡	‡

* Must add prefix, see Note 1; suffix, see Note 2, on page T-101.
‡ F5 and larger will not be color coded.

Technical Information
Cord Connectors

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#6**	**#4**	**#3**	**#2**	**#1**	**#1/0**	**#2/0**	**#3/0**	**#4/0**
Approx. Diameter		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)
N.P.T.	**Form**	**Catalog Numbers***								
¼	1	•	•	•	•	•	•	•	•	•
⅜	1	•	•	•	•	•	•	•	•	•
½	1	•	•	•	•	•	•	•	•	•
½	2	•	•	•	•	•	•	•	•	•
½	3	•	•	•	•	•	•	•	•	•
¾	2	•	•	•	•	•	•	•	•	•
¾	3	•	•	•	•	•	•	•	•	•
1	4	**HC1044**	•	•	•	•	•	•	•	•
1	5	**HC1047**	**HC1049**	**HC1049**	•	•	•	•	•	•
1¼	5	**HC1052**	**HC1054**	**HC1054**	•	•	•	•	•	•
1½	5	**HC1057**	**HC1059**	**HC1059**	•	•	•	•	•	•
1½	6	•	**HC1060**	**HC1060**	**HC1061**	**HC1063**	**HC1064**	•	•	•
2	6	•	**HC1064**	**HC1065**	**HC1066**	**HC1068**	**HC1069**	•	•	•
2	7	•	•	•	•	•	**HC1070**	**HC1071**	**HC1073**	**HC1074**
2½	7	•	•	•	•	•	**HC1076**	**HC1077**	**HC1079**	**HC1080**
3	7	•	•	•	•	•	**HC1086**	**HC1087**	**HC1089**	**HC1090**
Color		Pink‡	‡	‡	‡	‡	‡	‡	‡	‡

* Must add prefix, see Note 1; suffix, see Note 2, below.
‡ F5 and larger will not be color coded.

Notes:

1. Add the proper prefix to the HC number to identify the type of connector desired:
   SHC = Straight Hubbell Connector
   NHC = 90° Hubbell Connector
   FHC = Female Hubbell Connector
   VHC = 45° Hubbell Connector

2. Add the proper suffix to identify material desired:
   Aluminum = No suffix
   Zinc-Plated Steel = ZP
   Corrosion Resistant Nylon = CR
   Stainless Steel = SS

3. This chart is a general guide to assist in the selection of Hubbell Cord Connectors for various cord sizes. The Hubbell Cord Connector catalog numbers selected, have been inserted into spaces which in our judgment represent the best cord connector which will fit the listed cord size.
   The diameters of the cords are approximate and may vary depending on the manufacturer. It is suggested that the appropriate cord manufacturer's dimension chart be consulted for exact dimensions.

4. Cable jacket may have to be stripped to allow conductors to pass through connector body.

Technical Information
Locknuts and Sealing O-Rings

N.P.T. Thread Locknuts

Zinc-Plated Steel and Non-metallic

N.P.T. Hub Size	A Inside Dia. inches (mm)	B Outside Dia. inches (mm)	C Thk. inches (mm)	Steel Catalog Numbers
½	½"-14	1.14" (29.0)	.09" (2.3)	**00322001**
¾	¾"-14	1.43" (36.3)	.11" (2.8)	**00322002**
1	1"-11½	1.77" (45.0)	.13" (3.3)	**00322003**
1¼	1¼"-11½	2.28" (57.9)	.13" (3.3)	**00322004**
1½	1½"-11½	2.60" (66.0)	.13" (3.3)	**00322005**

Metal Clad Sealing O-Rings – Sizes ½ - 4

Zinc-Plated Steel with Neoprene Ring

N.P.T. Hub Size	A Inside Dia. inches (mm)	B Outside Dia. inches (mm)	C Thk. inches (mm)	Catalog Numbers
½	.80" (20.3)	1.08" (27.4)	.16" (3.2)	**20509001**
¾	1.00" (25.4)	1.34" (34.0)	.16" (3.2)	**20509002**
1	1.25" (31.6)	1.63" (41.4)	.16" (3.2)	**20509003**
1¼	1.61" (40.9)	2.00" (50.8)	.16" (3.2)	**20509004**
1½	1.84" (46.7)	2.36" (59.9)	.16" (3.2)	**20509005**
2	2.31" (58.7)	2.83" (71.9)	.16" (3.2)	**20509006**

Chrome Plated Steel with Neoprene Ring

2½	2.91" (73.9)	3.44" (87.4)	.24" (6.1)	**20509007**
3	3.52" (89.4)	4.08" (103.6)	.24" (6.1)	**20509008**
4	4.54" (115.3)	5.30" (134.6)	.29" (7.4)	**20509009**

Nylon PG Thread Locknuts

PG Thread Size	A inches (mm)	B inches (mm)	C inches (mm)	Catalog Numbers
PG7	.75" (19.1)	.80" (20.3)	.22" (5.6)	**LNP7BPK100**
PG9	.86" (21.8)	.91" (23.2)	.22" (5.6)	**LNP9BPK100**
PG11	.94" (23.9)	1.03" (26.2)	.22" (5.6)	**LNP11BPK100**
PG13.5	1.06" (26.9)	1.14" (29.0)	.24" (6.1)	**LNP13BPK100**
PG16	1.18" (30.0)	1.30" (33.0)	.25" (6.1)	**LNP16BPK100**
PG21	1.41" (35.8)	1.54" (39.1)	.25" (6.1)	**LNP21BPK100**
PG29	1.81" (46.0)	2.00" (50.8)	.25" (6.1)	**LNP29BPK25**
PG36	2.24" (56.9)	2.50" (63.5)	.25" (6.1)	**LNP36BPK25**

Nylon Metric Thread Locknuts

PG Thread Size	A inches (mm)	B inches (mm)	C inches (mm)	Catalog Numbers
M12	.75" (19.1)	.82" (20.8)	.22" (5.6)	**LNM12BPK100**
M16	.87" (22.09)	.98" (25.0)	.22" (5.6)	**LNM16BPK100**
M20	1.06" (27.0)	1.18" (30.0)	.25" (6.4)	**LNM20BPK100**
M25	1.38" (35.1)	1.54" (39.1)	.28" (7.1)	**LNM25BPK100**
M32	1.61" (40.9)	1.80" (45.7)	.28" (7.1)	**LNM32BPK100**
M40	1.97" (50.0)	2.18" (55.4)	.28" (7.1)	**LNM40BPK100**

Dimensions shown are approximate and are subject to change without notice.

Kellems® Wire Management Products
Technical Information
Hubbell Juniors® Miniature Nylon Cord Connectors

Hubbell Juniors

Operating Temperature Range

Nylon (connectors and GOTCHA® rings)	-40°F to +225°F (-40°C to +107°C)
Neoprene (bushings)	-30°F to +240°F (-34°C to +115°C)

Due to the limiting factors of nylon and neoprene, any complete liquidtight Hubbell Junior will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Snap-In continuously performs -40°F to +225°F (-40°C to +107°C).

Flammability

Hubbell Juniors have a UL 94V-2 rating.

Certifications

Product	Agency
Liquidtight and Liquidtight with Spiral	UL Listed. CSA Certified.
Snap-In	UL Recognized. CSA Certified.

Knockout Holes

N.P.T. Hub Size	Knockout Hole Recommended Min. to Max. inches	(mm)
¼	.54"-.57"	(13.7-14.5)
⅜	.67"-.70"	(17.0-17.8)
½	.86"-.91"	(21.8-23.1)

Dimensions shown are subject to change without notice.

Kellems® Wire Management Products
Technical Information
Hubbell Juniors® Miniature Nylon Cord Connectors

Snap-In

Dia. Range Inches (mm)	For Chas. Thk. (Max.) Inches (mm)	Required Hole Size A Inches (mm)	B Inches (mm)	Dimensional Specifications C Inches (mm)	D Inches (mm)	E Inches (mm)	F Inches (mm)	G Inches (mm)
.22"-.27" (5.6-6.9)	.10" (2.5)	.50" (12.7)	.45" (11.4)	.28" (7.1)	.28" (7.1)	.54" (13.7)	.12" (3.0)	1.84" (44.2)
.28"-.32" (7.1-8.1)	.10" (2.5)	.50" (12.7)	.47" (11.9)	.28" (7.1)	.33" (8.4)	.59" (15.0)	.12" (3.0)	1.84" (44.2)
.30"-.36" (7.6-9.1)	.13" (3.3)	.63" (16.0)	.55" (14.0)	.36" (9.1)	.37" (9.4)	.65" (16.5)	.14" (3.6)	2.18" (55.4)
.32"-.43" (8.1-10.9)	.13" (3.3)	.75" (19.0)	.66" (16.8)	.45" (11.4)	.44" (11.2)	.75" (19.1)	.14" (3.6)	2.60" (66.0)

Liquidtight

F N.P.T.	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Across Corners Inches (mm)	Across Flats Inches (mm)
¼-18	.65" (16.5)	1.30" (33.0)	.40" (10.2)	.29" (7.4)	.65" (16.5)	.60" (15.2)
⅜-18	.81" (20.6)	1.44" (36.6)	.41" (10.4)	.36" (9.1)	.81" (20.6)	.75" (19.1)
½-14	1.00" (25.4)	1.56" (39.6)	.46" (11.7)	.45" (11.4)	.99" (25.1)	.92" (23.4)

Liquidtight with Spiral

G N.P.T.	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Inches (mm)	F Across Corners Inches (mm)	Across Flats Inches (mm)
¼-18	.65" (16.5)	2.55" (64.8)	.40" (10.2)	.29" (7.4)	.27" (6.9)	.65" (16.5)	.60" (15.2)
⅜-18	.81" (20.6)	3.10" (78.7)	.41" (10.4)	.36" (9.1)	.35" (8.9)	.81" (20.6)	.75" (19.1)
½-14	1.00" (25.4)	3.72" (94.5)	.46" (11.7)	.45" (11.4)	.45" (11.4)	.99" (25.1)	.92" (23.4)

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

NOTES:

Kellems® Wire Management Products
PolyTuff® I Non-Metallic Liquidtight Conduit
Features and Benefits

PolyTuff I Conduit–Gray

Rigid PVC core bonded to flexible PVC jacket.

All nonmetallic construction ends metal fatigue and separation problems.

UL Listed and CSA Certified.

Cuts cleanly with a knife or PVC cutter so there are no jagged metal edges.

PolyTuff® I Non-Metallic Liquidtight Conduit

IP66
SUITABILITY

PolyTuff I Conduit

Trade Size (metric designator)	Feet (m)	Catalog Numbers
⅜ (12)	100 (30.5)	**G1038**
½ (16)	100 (30.5)	**G1050**
¾ (21)	100 (30.5)	**G1075**
1 (27)	100 (30.5)	**G1100**
1¼ (35)	100 (30.5)	**G1125**
1½ (41)	50 (15.2)	**G1150**
2 (53)	50 (15.2)	**G1200**

Notes: See pages T-68, T-69, T-109 and T-111 for approved fittings.
See pages T-112 to T-113 for additional technical data and dimensional drawings.

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Kellems® Wire Management Products
PolyTuff® II Non-Metallic Liquidtight Tubing
Features and Benefits

PolyTuff II Tubing–Black

PVC core with corrugated walls bonded to PVC jacket.

Handles twists, turns, bends, switchbacks and straightaways with ease.

All nonmetallic construction ends fatigue and separation problems.

Can be cut with a knife or PVC cutters.

UL Recognized and CSA Certified.

IP66
SUITABILITY

PolyTuff II Tubing

Trade Size (metric designator)	Feet (m)	Catalog Numbers
¼ (10)	100 (30.5)	**B2025**
⅜ (12)	100 (30.5)	**B2038**
½ (16)	100 (30.5)	**B2050**
¾ (21)	100 (30.5)	**B2075**
1 (27)	100 (30.5)	**B2100**
1¼ (35)	100 (30.5)	**B2125**
1½ (41)	50 (15.2)	**B2150**
2 (53)	50 (15.2)	**B2200**

Notes: See page T-109 for approved fittings.
See pages T-112 to T-113 for additional technical data and dimensional drawings.

Kellems® Wire Management Products
PolyTuff® Non-Metallic Liquidtight Fittings
Features and Benefits

PolyTuff® Non-Metallic Liquidtight Fittings

Nylon two-piece swivel body enables fitting to twist from 0° to 90°.

Non-integral ferrule provides conduit seal and superior pullout protection.

Neoprene O-ring provides liquidtight seal at hub or enclosure.

Nylon compression nut has a tapered dome to tighten ferrule onto conduit.

Nylon locknut fastens connector securely to enclosure and provides superior corrosion resistance.

Kellems® Wire Management Products
PolyTuff® Non-Metallic Liquidtight Fittings
Type 4X, 12 and 13

Straight with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Numbers	Gray Catalog Numbers
¼ (6)	F2025	–
⅜ (9)	P038NBKA	P038NGYA
½ (13)	P050NBKA	P050NGYA
¾ (19)	P075NBKA	P075NGYA
1 (25)	P100NBKA	P100NGYA
1¼ (32)	P125NBK	P125NGY
1½ (38)	P150NBK	P150NGY
2 (51)	P200NBK	P200NGY

Notes: Fittings are to be used with PolyTuff I and PolyTuff II.
See page T-115 for additional technical data and dimensional drawings.

P075NGYA

P125NGY

SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Numbers	Gray Catalog Numbers
⅜ (9)	PS0389NBK	PS0389NGY
½ (13)	PS0509NBK	PS0509NGY
¾ (19)	PS0759NBK	PS0759NGY
1 (25)	PS1009NBK	PS1009NGY

Notes: Fittings are to be used with PolyTuff I and PolyTuff II.
See page T-115 for additional technical data and dimensional drawings.

PS0509NGY - SwivelLok®

Fixed 90°Fittings for Non-Metallic Conduit

Trade Size (metric designator)	Black Catalog Numbers	Gray Catalog Numbers
¼ (6)	F20259	–
⅜ (9)	P0389NBK	P0389NGY
½ (13)	P0509NBK	P0509NGY
¾ (19)	P0759NBK	P0759NGY
1 (25)	P1009NBK	P1009NGY
1¼ (32)	P1259NBK	P1259NGY

Notes: Fittings are to be used with PolyTuff I and PolyTuff II.
See page T-115 for additional technical data and dimensional drawings.

P1259NGY

SwivelLok® Flexible Conduit Kit

Trade Size (metric designator)	Fitting and Conduit	Catalog Numbers
½ (13)	2 PS0509NGY, 6' G1050	PS05GYKIT
¾ (19)	2 PS0759NGY, 6' G1075	PS07GYKIT

Note: See page T-115 for additional technical data and dimensional drawings.

PS05GYKIT

Kellems® Wire Management Products
Metallic Liquidtight Conduit Fittings
Features and Benefits

Hexagonal, screw-machined steel thru 1", and malleable iron on larger sizes. Nut compresses gland-ring onto conduit.

Split, nylon, gland-ring compresses conduit onto ferrule.

Non-integral, reusable steel, ferrule is easily installed, to seal conduit.

Threaded one-piece steel body.

Tapered, machined threads fasten securely and provide additional liquidtight sealing.

Optional insulated and non-insulated throat.

Nylon gasket provides liquidtight seal at hub.

Locknut has hardened steel tangs to grip securely.

Kellems® Wire Management Products
Metallic Liquidtight Conduit Fittings

Straight Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (9)	H0381	H038
½ (13)	H0501	H050
¾ (19)	H0751	H075
1 (25)	H1001	H100
1¼ (32)	H1251	H125
1½ (38)	H1501	H150
2 (51)	H2001	H200
2½ (63)	H2501	H250
3 (76)	H3001	H300
3½ (89)	H3501	H350
4 (102)	H4001	H400

Note: See page T-116 for additional technical data.

Straight with Male Hubbell Conduit Fitting H050

45° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (9)	H03841	H0384
½ (13)	H05041	H0504
¾ (19)	H07541	H0754
1 (25)	H10041	H1004
1¼ (32)	H12541	H1254
1½ (38)	H15041	H1504
2 (51)	H20041	H2004

Note: See page T-116 for additional technical data.

45° Angle with Male Hubbell Conduit Fitting H0504

90° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (9)	H03891	H0389
½ (13)	H05091	H0509
¾ (19)	H07591	H0759
1 (25)	H10091	H1009
1¼ (32)	H12591	H1259
1½ (38)	H15091	H1509
2 (51)	H20091	H2009
2½ (63)	H25091	H2509
3 (76)	H30091	H3009
4 (102)	H40091	H4009

Notes: ⅜" Liquidtight conduit fitting have ½ N.P.T. male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page T-116 for additional technical data.

90° Angle with Male Hubbell Conduit Fitting H0509

Technical Information
Non-Metallic Liquidtight Conduit and Tubing

PolyTuff I Conduit

Operating Temperature Range	
Wet environment	0°F to +140°F (-18°C to +60°C).
Oil environment	0°F to +158°F (-18°C to +70°C).
Dry environment	0°F to +176°F (-18°C to +80°C).
Certifications	
UL Listed	UL Standard 1660.
	Sunlight resistant approved for outdoor use, direct burial.
CSA Certified	Meets requirements of NEC.
Voltage Rating	
Maximum	600V.
Material	
Conduit	Co-extruded rigid and flexible PVC.

PolyTuff II Tubing

Operating Temperature Range	
Operating Environment	0°F to +140°F (-18°C to +60°C).
Certifications	
UL Recognized	
CSA Certified	
Voltage Rating	
Maximum	Same as wire insulation rating.
Material	
Tubing	Co-extruded rigid and flexible PVC.

PolyTuff I Conduit

Trade Size (metric designator)	Conduit ID/OD Inches	(mm)	Bend Radius Inches	(mm)
⅜ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
½ (16)	.63"/.83"	(16.1/21.1)	3.00"	(76.2)
¾ (21)	.83"/1.04"	(21.1/26.4)	4.00"	(101.6)
1 (27)	1.05"/1.30"	(26.0/33.1)	5.00"	(217.0)
1¼ (35)	1.40"/1.65"	(35.4/41.8)	6.30"	(158.8)
1½ (41)	1.59"/1.88"	(40.3/47.8)	7.50"	(190.5)
2 (53)	2.03"/2.36"	(51.6/59.9)	10.00"	(254.0)

PolyTuff II Tubing

Trade Size (metric designator)	Conduit ID/OD Inches	(mm)	Bend Radius Inches	(mm)
¼ (10)	.36"/.57"	(9.3/14.5)	1.50"	(38.1)
⅜ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
½ (16)	.63"/.83"	(16.1/21.1)	2.00"	(50.8)
¾ (21)	.83"/1.04"	(21.1/26.4)	3.00"	(76.2)
1 (27)	1.05"/1.30"	(26.0/33.1)	3.00"	(76.2)
1¼ (35)	1.40"/1.65"	(35.4/41.8)	5.00"	(127.0)
1½ (41)	1.59"/1.88"	(40.3/47.8)	5.00"	(127.0)
2 (53)	2.03"/2.36"	(51.6/59.9)	5.00"	(127.0)

Kellems® Wire Management Products
Technical Information
Non-Metallic Liquidtight Conduit and Tubing

PolyTuff I and II Conduit/Tubing; PVC Chemical Resistance

Chemical	Conc*	Temp. 70°F 21°C	150°F 66°C	Chemical	Conc*	Temp. 70°F 21°C	150°F 66°C	Chemical	Conc*	Temp. 70°F 21°C	150°F 66°C
Acetate Solvents		D	D	Coconut Oil		C	D	Lubricating Oils		A	A
Acetic Acid		B	C	Corn Oil		A	B	Magnesium Chloride		A	A
Acetic Acid (Glacial)		C	D	Cottonseed Oil		C	D	Magnesium Hydroxide		A	A
Acetone		D	D	Creosote		D	D	Magnesium Sulfate		A	A
Acrylontrile		A	B	Cresol		C	D	Malathion 50 in Aromatics		D	D
Alcohols (Aliphatic)		C	C	Crysylic Acid		D	D	Malic Acid		A	A
Aluminum Chloride		A	A	Cyclohexane		B	C	Methyl Acetate		D	D
Aluminum Sulfate (Alums)		A	A	DDT Weed Killer		A	C	Methyl Alcohol		C	C
Ammonia (Anhydrous Liquids)		D	D	Dibutyl Phthalate		D	D	Methyl Bromide		D	D
Ammonia (Aqueous)		A	A	Diesel Oils		C	D	Methyl Ethyl Ketone		D	D
Ammoniated Latex		A	C	Diethylene Glycol		B	C	Methylene Chloride		D	D
Ammonium Chloride		A	A	Diethyl Ether		A	C	Mineral Oil			
Ammonium Hydroxide		A	A	Di-isodecyl Phthalate		D	D	Monochlorobenzene		A	A
Amyl Acetate		D	D	Dioctyl Phthalate		D	D	Muriatic Acid (see Hydrochloric Acid)			
Aniline Oils		D	D	Dow General Weed Killer (Phenol)		D	D	Naphtha		C	D
Aromatic Hydrocarbons		D	D	Dow General Weed Killer (H_2O)		B	C	Naphthalene		D	D
Asphalt		D	D	Ethyl Alcohol		C	C	Nitric Acid	10%	A	B
				Ethylene Dichloride		D	D	Nitric Acid	35%	A	C
ASTM Fuel A		C	C	Ethylene Glycol		B	C	Nitric Acid	70%	D	D
ASTM Fuel B		D	D	Ferric Chloride		A	A	Oleic Acid		A	C
ASTM #1 Oil		B	C	Ferric Sulfate		A	A	Oleum		D	D
ASTM #3 Oil		C	D	Ferrous Chloride		A	A	Oxalic Acid		A	A
Barium Chloride		A	A	Ferrous Sulfate		A	A	Pentachlorophenol in Oil		B	C
Barium Sulfide		A	A	Formaldehyde		D	D	Pentane		C	D
Barium Hydroxide		A	A								
Benzene (Benzol)		D	D	Fuel Oil		B	C	Perchloroethylene		B	C
Benzine (Petroleum Ether)		C	C	Furfural		C	C	Petroleum Ether		C	C
Black Liquor		A	A	Gallic Acid		A	A	Phenol		A	A
Bordeaux Mixture		A	A	Gasoline (Hi Test)		C	D	Phosphoric Acid	10%	A	A
Boric Acid		A	A	Glycerine		A	A	Pitch	50%	A	B
Butyl Acetate		D	D	Grease		A	C	Potassium Hydroxide		C	D
Butyl Alcohol		B	C	Green Sulfate Liquor		A	A	Sodium Cyanide		A	A
Calcium Hydroxide		A	A	Heptachlor in Petroleum Solvents		A	C	Stoddard Solvent		D	D
Calcium Hypochlorite		A	A	Heptane		C	D	Styrene		D	D
Carbolic Acid (Phenol)		B	C	Hexane		C	D	Sulfur Dioxide (liquid)		D	D
Carbon Dioxide		A	A	Hydrobromic Acid		A	A	Sulfuric Acid	50%	A	B
Carbon Disulfide		D	D	Hydrochloric Acid	10%	A	A	Sulfuric Acid	98%	D	D
Carbon Tetrachloride		D	D	Hydrochloric Acid	40%	C	C	Sulfurous Acid		B	C
Carbonic Acid		A	A	Hydrofluoric Acid	70%	D	D	Tall Oil		D	D
Casein		A	C	Hydrofluorosilicic Acid		A	A	Tannic Acid		A	A
Caustic Soda		A	B	Hydrofluorosilicic Acid	10%	A	A	Toluene		D	D
Chlorine Gas (wet)		D	D	Hydrogen Peroxide		A	B	Trichlorethylene		D	D
Chlorine Gas (dry)		D	D	Iso-Octane		C	C	Triethanol Amine		C	D
Chlorine (water solution)		C	D	Isopropyl Acetate		D	D	Tricresyl Phosphate (Skydrol)		D	D
Chlorobenzene		D	D	Isopropyl Acid		B	C	Turpentine		C	D
Chlorinated Hydrocarbons		D	D	Jet Fuels (JP-3, and 5)		C	D	Vinegar		A	B
Chromic Acid		B	C	Kerosene		C	C	Vinyl Chloride		D	D
Citric Acid		A	A	Ketones		D	D	Water		A	A
Coal Tar		D	D	Linseed Oil		A	A	White Liquor		A	A
								Xylene		D	D
								Zinc Chloride		A	A
								Zinc Sulfate		A	A

(All ratings apply to concentrated or saturated solutions unless otherwise specified.)

Chemical resistance ratings are based upon information supplied by the raw material manufacturers. Use as a general guide only – samples should be tested by user under actual conditions.

*Conc. - Concentration

Rating Code

A-Excellent service
No harmful effect to reduce service life. Suitable for continuous service.

B-Good service life.
Moderate to minor effect. Good for intermittent service. Generally suitable for continuous service.

C-Fair or limited service.
Depends on operating conditions. Generally suitable for intermittent service. Not recommended for continuous service.

D-Unsatisfactory service.
Not recommended.

Kellems® Wire Management Products
Technical Information
Non-Metallic Liquidtight Fittings

PolyTuff Fittings

Operating Temperature*

Nylon (Body, Nut, Gripping Ring and Locknut)	–40°F to +225°F (–40°C to +107°C).
Neoprene (Sealing Ring)	–30°F to +240°F (–34°C to +116°C).

Flammability

Fire Gas Toxicity Product Testing	Nylon PolyTuff Fittings have a UL 94V-2 rating.

Certifications

UL Listed	UL50 Type 4X, 12 and 13.
CSA Certified	PolyTuff I Fittings, Poly Tuff II Fittings.

Liquidtight Fittings

Operating Temperature**

Steel/Malleable Iron (Nut, Body, Ferrule)	–60°F to +1000°F (–51°C to +538°C).
Nylon (Gland Ring)	–40°F to +225°F (–40°C to +107°C).

Hazardous Locations	NEC Reference
Class I, Div. 2	501-4b
Class II, Div. 1	502-4a2
Class II, Div. 2	502-4b2
Class III, Div. 1	503-3a2
Class III, Div. 2	503-3b

Certifications

UL Listed
CSA Certified

*Due to the limiting factors of nylon and neoprene, PolyTuff Fittings will continuously perform in the range –30°F to +225°F (–34°C to +107°C).

**Due to the limiting factors of nylon, metallic liquidtight flexible conduit fittings will continuously perform in the range of –40°F to +225°F (–40°C to +107°C).

Technical Information
Non-Metallic Liquidtight Fittings

Straight with Male Non-Metallic Liquidtight Fittings

Trade Size (md**)	A	B	C	D Throat Dia.	E	
					A/C*	A/F*
¼ (10)	.93" (23.6)	1.45" (36.8)	.39" (9.9)	.32" (8.1)		.86" (Dia.) (21.8)
⅜ (12)	1.14" (29.0)	1.63" (41.4)	.57" (14.5)	.42" (10.7)	1.41" (35.8)	1.30" (33.0)
½ (16)	1.30" (33.0)	2.14" (54.4)	.57" (14.5)	.55" (14.0)	1.41" (35.8)	1.30" (33.0)
¾ (21)	1.53" (38.9)	2.22" (56.4)	.58" (14.7)	.74" (18.8)	1.85" (47.0)	1.53" (38.9)
1 (27)	1.80" (45.7)	2.32" (58.9)	.72" (18.3)	.96" (24.4)	1.94" (49.3)	1.80" (45.7)
1¼ (35)	2.20" (55.9)	2.15" (54.6)	.74" (18.8)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)
1½ (41)	2.49" (63.2)	2.35" (59.7)	.76" (19.3)	1.46" (37.1)	2.63" (66.8)	2.43" (61.7)
2 (53)	3.05" (77.4)	2.51" (63.6)	.79" (20.1)	1.90" (48.3)	3.13" (79.5)	2.93" (74.4)

*A/C = Across Corners A/F = Across Flats ****md = metric designator*

Sizes: ¼", 1¼", 1½", 2"

Sizes: ⅜", ½", ¾", 1"

90° with Male Non-Metallic Liquidtight Fittings

Trade Size (md**)	A	B	C	D Throat Dia.	E	
					A/C*	A/F*
¼ (10)	.93" (23.6)	1.88" (47.8)	.39" (9.9)	.32" (8.1)		.86" (Dia.) (21.8)
1¼ (35)	2.21" (56.1)	3.57" (90.7)	.74" (18.9)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)

*A/C = Across Corners A/F = Across Flats ****md = metric designator*

SwivelLok® Multi-Position Liquidtight Fittings

Trade Size (md**)	A	B	C	D	E	F	G	
							A/C*	A/F*
⅜ (12)	1.30" (33.0)	3.27" (83.1)	.57" (14.5)	.55" (14.0)	1.43" (36.3)	2.00" (50.8)	1.41" (35.8)	1.30" (33.0)
½ (16)	1.30" (33.0)	3.27" (83.1)	.57" (14.5)	.55" (14.0)	1.43" (36.3)	2.00" (50.8)	1.41" (35.8)	1.30" (33.0)
¾ (21)	1.53" (38.9)	3.66" (93.0)	.58" (15.7)	.74" (18.8)	1.59" (40.4)	2.23" (56.6)	1.65" (41.9)	1.53" (38.9)
1 (27)	1.80" (45.7)	4.00" (101.6)	.72" (18.3)	.96" (24.4)	1.84" (46.7)	2.30" (58.4)	1.94" (49.3)	1.80" (45.7)

*A/C = Across Corners A/F = Across Flats ****md = metric designator*

90° Position

45° Position

Straight Position

Metallic Liquidtight Fittings

Straight with Male Metallic Metal Fitting

Trade Size (md**)	A Ref.	B	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*
⅜ (12)	1.43" (36.3)	.59" (15.0)	1.20" (30.0)	1.06" (26.9)	.61" (15.5)	1.07" (27.2)	.93" (23.6)
½ (16)	1.43" (36.3)	.59" (15.0)	1.34" (34.0)	1.19" (30.2)	.61" (15.5)	1.22" (31.0)	1.06" (26.9)
¾ (21)	1.56" (39.6)	.59" (15.0)	1.55" (39.0)	1.37" (34.8)	.84" (21.3)	1.43" (36.3)	1.25" (31.8)
1 (27)	1.68" (42.7)	.66" (16.8)	1.95" (50.0)	1.69" (42.9)	1.06" (26.9)	1.73" (43.9)	1.56" (39.6)
1¼ (35)	2.03" (51.6)	.63" (16.8)	2.39" (61.0)	2.06" (52.3)	1.37" (34.8)	2.36" (59.9)	2.08" (52.8)
1½ (41)	2.21" (56.1)	.63" (16.8)	2.72" (69.0)	2.38" (60.5)	1.53" (38.9)	2.79" (70.9)	2.48" (63.0)
2 (53)	2.28" (57.9)	.69" (17.5)	3.08" (78.0)	2.87" (72.9)	2.06" (52.3)	3.32" (84.3)	2.90" (73.7)
2½ (63)	3.56" (90.4)	1.06" (26.9)	3.92" (100.0)	3.62" (91.9)	2.42" (61.5)	3.85" (97.8)	3.60" (91.4)
3 (78)	3.81" (96.8)	1.06" (26.9)	4.70" (119.0)	4.31" (109.5)	3.01" (76.5)	4.65" (118.1)	4.33" (110.0)
3½ (91)	3.81" (96.8)	1.06" (26.9)	5.29" (134.0)	4.81" (122.2)	3.49" (88.6)	5.18" (131.6)	4.82" (122.4)
4 (103)	3.81" (96.8)	1.06" (26.9)	5.75" (146.0)	5.31" (134.9)	3.96" (100.6)	5.75" (146.1)	5.39" (136.9)

45° with Male Metallic Metal Fitting

Trade Size (md**)	A	B	C	D A/C*	D A/F*	E Throat Dia.	F A/C*	F A/F*
⅜ (12)	1.19" (30.2)	1.28" (32.5)	.59" (15.0)	1.20" (30.5)	1.06" (26.9)	.60" (15.2)	1.16" (29.5)	1.02" (25.9)
½ (16)	1.19" (30.2)	1.28" (32.5)	.59" (15.0)	1.34" (34.0)	1.19" (30.2)	.61" (15.2)	1.21" (30.7)	1.06" (26.9)
¾ (21)	1.19" (30.2)	1.43" (36.3)	.59" (15.0)	1.55" (39.4)	1.45" (36.8)	.84" (21.3)	1.50" (38.1)	1.32" (33.5)
1 (27)	1.38" (35.1)	1.53" (38.9)	.66" (16.8)	1.95" (49.5)	1.69" (42.9)	1.05" (26.7)	1.82" (46.2)	1.59" (40.4)
1¼ (35)	1.42" (36.1)	1.69" (42.9)	.63" (16.0)	2.39" (60.7)	2.06" (52.3)	1.37" (34.8)	2.32" (58.9)	2.03" (5.16)
1½ (41)	1.66" (42.2)	2.00" (50.8)	.66" (16.8)	2.72" (69.1)	2.38" (60.5)	1.60" (40.6)	2.62" (66.5)	2.29" (58.2)
2 (53)	1.69" (42.9)	2.25" (57.2)	.66" (16.8)	3.08" (78.2)	2.88" (73.2)	2.05" (52.1)	3.21" (81.5)	2.80" (71.1)

90° with Male Metallic Metal Fitting

Trade Size (md**)	A	B	C A/C*	C A/F*	D Ref.	E Throat Dia.	F A/C*	F A/F*
⅜ (12)	1.31" (33.3)	.59" (15.0)	1.20" (30.5)	1.06" (26.9)	1.44" (36.6)	.60" (15.2)	1.13" (29.0)	.99" (25.1)
½ (16)	1.31" (33.3)	.59" (15.0)	1.34" (34.0)	1.12" (28.4)	1.44" (36.6)	.61" (15.5)	1.12" (28.0)	1.00" (25.4)
¾ (21)	1.44" (36.6)	.59" (15.0)	1.55" (39.4)	1.45" (36.8)	1.63" (41.4)	.83" (21.1)	1.48" (38.0)	1.29" (32.8)
1 (27)	1.78" (45.2)	.59" (15.0)	1.95" (49.5)	1.60" (40.6)	2.19" (55.6)	1.05" (26.7)	1.80" (46.0)	1.57" (39.9)
1¼ (35)	1.97" (50.0)	.63" (16.0)	2.39" (60.7)	2.06" (52.3)	2.50" (63.5)	1.36" (34.5)	2.32" (59.0)	2.02" (51.3)
1½ (41)	2.19" (55.6)	.63" (16.0)	2.72" (69.1)	2.38" (60.5)	2.69" (68.3)	1.61" (40.9)	2.58" (66.0)	2.25" (57.2)
2" (53)	2.53" (64.3)	.66" (16.8)	3.08" (78.2)	2.87" (72.9)	3.25" (82.6)	2.05" (52.1)	3.14" (80.0)	2.75" (69.9)
2½ (63)	3.44" (87.4)	1.00" (25.4)	3.92" (99.6)	3.63" (92.2)	4.25" (108.0)	2.42" (61.5)	3.78" (96.0)	3.50" (88.9)
3 (78)	3.75" (95.3)	1.00" (25.4)	4.70" (119.4)	4.31" (109.5)	4.87" (123.7)	3.01" (76.5)	4.64" (118.0)	4.30" (109.2)
4 (103)	4.25" (108.0)	1.00" (25.4)	5.75" (146.1)	5.31" (134.9)	5.63" (143.0)	3.96" (100.6)	5.76" (146.0)	5.38" (136.7)

*A/C = Across Corners A/F = Across Flats **md = metric designator

Section U
Other Wiring Products

Index

Adapters

Lockout Devices

Fluorescent Starters and Lampholders

Receptacle Circuit Tester and Cord Grip

Other Wiring Products
Adapters

Female Slot End   **HBL2274**   **Male Blade End**

HBL5273L

HBL5289

9053A

9054A

Nylon Convenience Adapters

NEMA Configuration				
Male Blade End	15A 125V NEMA 5-15P	15A 125V NEMA L5-15P	20A 125V NEMA L5-20P	30A 125V NEMA L5-30P
Female Slot End	Catalog Number			
20A 125V NEMA 5-20R	HBL2270	HBL2274	HBL2129	HBL31CM29*
15A 125V NEMA L5-15R	HBL2271	–	–	–
20A 125V NEMA L5-20R	HBL2128	–	–	–

Caution:

Where adapters have different ratings on the blade and slot end the following precautions must be exercised in their use.

(1) Remember that overcurrent protection is determined by the blade end.

(2) The use of the adapter should be limited to the lowest rated end of the adapter in order to prevent overheating.

(3) Adapters do not provide GFCI, overcurrent or short circuit protection.

Plug In Adapters

Description	Catalog Number
Male end - 2 wire parallel polarized blades, 15A, 125V. Female end - 3 wire 15A, 125V straight slot grounding.	HBL5273L
Male end - 3 wire crow foot 15A, 125V blades. Female end - 3 wire 15A, 125V straight slot grounding.	HBL5289♦*
Male end - 3 wire 10A, 250V, 15A, 125V Twist-Lock® blades. Female end - 3 wire 15A, 125V straight slot grounding.	9053A♦*
Male end - 3 wire 15A, 125V straight blade grounding. Female end - 10A, 250V, 15A 125V Twist-Lock® slots.	9054A♦*

♦ *Must always be used with a grounded receptacle.*

* *Not UL Listed.*

Other Wiring Products
Lockout Devices For Electrical Safety

PLUGOUT®, Keyed PLUGOUT®, and SWITCHOUT® safety devices provide an approved method of complying with OSHA Lockout/Tagout regulation 29CFR 1910.147.

PLUGOUT®, Keyed PLUGOUT® and SWITCHOUT® Lockout Devices

Description	Typical Devices Accommodated	Catalog Number
Small yellow lockout device.	15 and 20A straight blade plugs. 15A Twist-Lock® plugs.	HLDMP
Medium yellow lockout device.	15 and 20A, 125V straight blade plugs. 20 and 30A Twist-Lock® plugs.	HLD
Large yellow lockout device.	20, 30 and 60A metallic and non-metallic Pin and Sleeve, Hubbellock® and 50A Twist-Lock® plugs.	HLD2
Yellow SWITCHOUT device.	Toggle switch.	HSLDPK2*
Yellow lockout kit.	One each of above lockout devices.	HLDKIT
Yellow keyed PLUGOUT, keyed differently.	15 and 20A, 125V straight blade plugs with holes in blades.	HKLD
Yellow keyed PLUGOUT, keyed alike.	15 and 20A, 125V straight blade plugs with holes in blades.	HKLDPK2*

Notes: See page U-6 for specifications.
  * Two devices per package.

3.14"
(79.8)

4.22"
(107.2)

HLDMP

4.27"
(108.5)

7.27"
(184.7)

HLD

6.31"
(160.3)

12.5"
(317.5)

HLD2

HKLDPK2

HSLDPK2

FS4
Neostart

FS40400
Manual Reset

Fluorescent Starters

Description	Lamps	Catalog Number
Neostart		
The Hubbell Neostart is a glow discharge type of starter which combines fast starting speed with rugged, dependable operation. The Neostart lights the lamp very rapidly and insures proper lamp operation throughout rated life. Because of its rugged construction, it can be depended upon to withstand continued punishment resulting from lamp failure. In addition, it operates satisfactorily over a wide temperature range. In dual lamp circuits, the Neostart lights both lamps quickly and uniformly.	14, 15 and 20 watt lamps	**FS2**
	13, 30 and 40 watt lamps	**FS4**
	4, 6 and 8 watt lamps	**FS5**
	22 watt circle line, 25 watt standard lamps	**FS25**
Manual Reset		
Hubbell Manual Reset starters provide positive protection for the fluorescent installation by deactivating a lamp when it burns out. This eliminates annoying flashing and protects the ballast and the starter from damage. When a lamp fails, the cut-out mechanism in the Hubbell Manual Reset starter breaks the circuit and de-activates the lamp instantly. Yet, once the burned out lamp is replaced, the new lamp can be re-activated by simply pressing a button on the top of the starter can. This closes the circuit, and the starting cycle is initiated.	14, 15 and 20 watt lamps	**FS20**
	40 watt lamps	**FS40400**†
	90 and 100 watt lamps (four contacts)	**FS850**

† Allows proper preheating of premium type 3 lamps or standard lamps in lead circuits of 2 or 3 lamp fixtures.

Fluorescent Lampholders

Description	Rating	Catalog Number
White, push-in terminals.	660 watts, 600V	**HBL2937**
White, slimline fixture type.	660 watts, 1000V	**HBL2988**
White, slimline fixture type.	660 watts, 250V	**HBL2989**

HBL2937

HBL2988
Plunger
High Voltage End

HBL2989
Stationary
Low Voltage End

Other Wiring Products
Receptacle Circuit Tester
Cord Grip

Receptacle Circuit Tester

Description	Catalog Number
Receptacle circuit tester.	**HBL5200**

How It Operates

The Hubbell HBL5200 Receptacle Circuit Tester has a simple arrangement of neon lights which visually indicate and identify various fault conditions in electrical circuits (see chart below). Operation is quick and easy. By plugging the HBL5200 Tester into a single phase, 125V, 2-pole, 3-wire outlet the combination of lighted and/or unlighted lamps will immediately indicate circuit condition.

HBL5200

Features

UL Listed.

Large, easy to read symbols.

Recessed indicating lamps with one piece Polycarbonate lens.

Tough impact resistant nylon housing.

User information and instructions printed on durable Polyester labels permanently attached to the tester.

Rotatable labels can be easily read regardless of tester position.

	Correct Wiring	Reversed Polarity	Open Ground Wire	Open Neutral Wire	Open Hot Wire	Hot and Ground Reversed	Hot on Neutral Term. and Hot Term. Unwired
Neutral Ground Hot							

□ △ ○ *Indicates Unlighted Lamp*   ■ ▲ ● *Indicates Lighted Lamp*

Note: When testing other receptacle types, use HBL5200 only with polarized adapters.

CAUTION: This device introduces low level current into the grounding path. Use with caution in critical care areas.

Cord Grip

Description	Catalog Number
Cord grip for ½" knockouts.	**HBL112***

* Not UL Listed.

HBL112

Other Wiring Products
Lockout Devices For Electrical Safety
Specifications

Specifications

Typical Specification	PLUGOUT® Devices
Description	Yellow lockout device.
Housing	UV stabilized polypropylene, heavy metal free colorant.
Optional storage position	Stores on cable when not in use.
Color	High visibility yellow.
Instructional Information	Permanently molded into housing.
Ambient Operating Temperature	Maximum continuous 140°F (60°C); minimum continuous -20°F (-29°C).

Plug Sizes and Padlocks Accommodated	Catalog Numbers HLDMP	HLD	HLD2
Plug Diameter	0.79" (20.0) min., 1.73" (44.0) max.	1.50" (38.1) min., 2.75" (69.8) max.	1.90" (48.3) min., 4.50" (114.3) max.
Plug Length	3.70" (94.0) max.	4.75" (120.6) max.	10.15" (257.8) max.
Cord	0.64" (16.3) max.	1.11" (28.2) max.	1.45" (36.8) max.
Max. No. of Padlocks	2 locks, ⁵⁄₁₆" (7.9) shackle dia.	4 locks, ⅜" (9.5) shackle dia.	4 locks, ⅜" (9.5) shackle dia.

Typical Specification	Keyed PLUGOUT® Device Catalog Numbers HKLD and HKLDPK2
Description	ABS with metal cylindrical lock.
Housing	UV stabilized polypropylene, heavy metal free colorant.
Color	High visibility yellow.
Instructional Information	Permanently molded into housing.
Ambient Operating Temperature	Indoor use only.

Specifications

Typical Specification	SWITCHOUT® Device Catalog Number HSLDPK2
Description	Yellow switchout device.
Housing	Nylon, heavy metal free colorant.
Color	High visibility yellow.
Installation	Installs without removal of existing wallplate screws.
Max. No. of Padlocks	Two locks, ⁵⁄₁₆" (7.9) shackle dia.
Ambient Operating Temperature	Maximum continuous 140°F (60°C); Minimum continuous -20°F (-29°C).

Section V
homeSELECT™ – Residential Devices
netSELECT™ – Structured Wiring

Decorator Products

Power Delivery

Data Communications and Audio Video

Structured Wiring

homeSELECT™
Advantages
Decorator Products

Smart Style, Good Looks.

homeSELECT™ Decorator Switches and Receptacles provide more than solid, dependable function alone.
Indeed, they are fashion statements, masterfully complementing the look and feel of any room in any home.

A PERFECT MATCH
homeSELECT™ decorator devices and
wallplates blend in beautifully with all
kinds of wall coverings.

EASY-ACTIVATE ROCKERS
Ideal for use in assisted-living
environments—or any
living environment.

FLUSH AND CONTEMPORARY
Sleek, smart and appealing,
homeSELECT™ devices add beautiful,
fashionable, highly-styled devices
to any home.

MINI-ROCKER SWITCHES
Take up less space and provide
full function.

SNAP-ON WALLPLATES
Snap-on wallplates offer a
clean, elegant look that
can be installed in seconds.

HUBBELL ® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Advantages

homeSELECT™
Single-Pole and Three-Way Quiet Rocker Switches
Decorator Products

Decorator switches are the perfect finishing touch to complement any interior. Available in a wide variety of colors to match any decor.
• Smooth, quiet rocker.
• Self-grounding feature is standard.

• Ultrasonically welded cover and base provides maximum strength.
• Operating temperature: -20°C to 60°C.
• UL Listed E3896, CSA Certified.

Rocker Switches

Description	Rating	Color	Single-Pole Catalog Numbers	Three-Way Catalog Numbers
Rocker Switch, Self-Grounding, Push, Side and Back Wire Terminations	15A 120-277V AC	Almond	RSD115AL	RSD315AL
		Black	RSD115BK	RSD315BK
		Brown	RSD115	RSD315
		Gray	RSD115GY	RSD315GY
		Ivory	RSD115I	RSD315I
		Light Almond	RSD115LA	RSD315LA
		White	RSD115W	RSD315W
Rocker Switch, Illuminated, Self-Grounding, Push, Side and Back Wire Terminations	15A 120V AC	Almond	RSD115ILAL	RSD315ILAL
		Ivory	RSD115ILI	RSD315ILI
		Light Almond	RSD115ILLA	RSD315ILLA
		White	RSD115ILW	RSD315ILW

Light glows through the top portion of the rocker when switch is in the off position. Does not require a neutral wire.

Description	Rating	Color	Single-Pole Catalog Numbers	Three-Way Catalog Numbers
Rocker Switch, Pilot Light, Self-Grounding, Push, Side and Back Wire Terminations	15A 120V AC	Almond	RSD115PLAL	—
		Ivory	RSD115PLI	—
		Light Almond	RSD115PLLA	—
		White	RSD115PLW	—

Light glows through the top portion of the rocker when switch is in the off position. Requires a neutral wire.

RSD115W

RSD115ILW

RSD115PLW

homeSELECT™
Double-Pole and Four-Way Quiet Rocker Switches
Decorator Products

Decorator switches are the perfect finishing touch to complement any interior. Available in a wide variety of colors to match any decor.
• Smooth, quiet rocker.
• Self-grounding feature is standard.

• Ultrasonically welded cover and base provides maximum strength.
• Operating temperature: -20°C to 60°C.
• UL Listed E3896, CSA Certified.

Rocker Switches

RSD215W

Description	Rating	Color	Catalog Numbers
Double-Pole Switch, Self-Grounding, Side and Back Wire Terminations	15A 120-277V AC	Almond	**RSD215AL**
		Black	**RSD215BK**
		Brown	**RSD215**
		Gray	**RSD215GY**
		Ivory	**RSD215I**
		Light Almond	**RSD215LA**
		White	**RSD215W**
Four-Way Switch, Self-Grounding, Side and Back Wire Terminations	15A 120-277V AC	Almond	**RSD415AL**
		Black	**RSD415BK**
		Brown	**RSD415**
		Gray	**RSD415GY**
		Ivory	**RSD415I**
		Light Almond	**RSD415LA**
		White	**RSD415W**

RSD415W

Color Selection

Almond	Black	Brown	Gray	Ivory	Light Almond	White

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

homeSELECT™
Wiring Termination and Switch Dimensions
Decorator Products

Choice of Wiring Termination

Single-pole and three-way decorator switches offer push, side and back wire terminations for maximum wiring options. Double-pole and four-way switches offer side and back wire terminations.

Push Wire
When extra speed is required.

Side Wire Wrap
Traditional wiring method.

Back Wire
Excellent when using stranded wire.

Product Dimensions

0.41" (10.4) Max.
Self-Grounding Clip
Grounding Screw
2.77" (70.4)
3.28" (83.3) 3.81" (96.8)
1.02" (25.9)
1.47" (37.3)

Single-Pole Decorator Switch

0.41" (10.4) Max.
Self-Grounding Clip
Grounding Screw
2.77" (70.4)
3.28" (83.3) 3.81" (96.8)
1.02" (25.9)
1.47" (37.3)

Three-Way Decorator Switch

homeSELECT™
Combination Quiet Rocker Switches/Devices
Decorator Products

Mini-rockers provide multiple switches in a compact single gang. Maximize control while maintaining function and appearance.
• Low profile, less than 1 inch deep.
• Self-grounding feature is standard.

• Smooth rocker action.
• Elegant appearance.
• Operating temperature: -20°C to 60°C.
• UL Listed E3896, CSA Certified.

RCD111W

RCD101W

RCD103W

RCD108W

RCD109W

Combination Quiet Rocker Switches/Devices

TR *

Description	Rating	Color	Tamper-Resistant Catalog Numbers	Catalog Numbers
Three (3) Single-Pole Switches, Self-Grounding, Side Wire Termination	15A 120-277V AC	Almond	—	RCD111AL
		Black	—	RCD111BK
		Ivory	—	RCD111I
		Light Almond	—	RCD111LA
		White	—	RCD111W
Two (2) Single-Pole Switches, Self-Grounding, Side Wire Termination	15A 120-277V AC	Almond	—	RCD101AL
		Black	—	RCD101BK
		Gray	—	RCD101GY
		Ivory	—	RCD101I
		Light Almond	—	RCD101LA
		White	—	RCD101W
Single-Pole and Three-Way Switch, Self-Grounding, Side Wire Termination	15A 120-277V AC	Almond	—	RCD103AL
		Black	—	RCD103BK
		Gray	—	RCD103GY
		Ivory	—	RCD103I
		Light Almond	—	RCD103LA
		White	—	RCD103W
Single-Pole Switch, 2 Pole, 3 Wire, Receptacle, Self-Grounding, Side Wire Termination	15A 120V 15A 125V NEMA 5-15R	Almond	RCD108ALTR	RCD108AL
		Black	RCD108BKTR	RCD108BK
		Gray	RCD108GYTR	RCD108GY
		Ivory	RCD108ITR	RCD108I
		Light Almond	RCD108LATR	RCD108LA
		White	RCD108WTR	RCD108W
Single-Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb, Self-Grounding, Side Wire Termination	15A 120V	Almond	—	RCD109AL
		Ivory	—	RCD109I
		Light Almond	—	RCD109LA
		White	—	RCD109W

Neutral required for pilot light, see page V-7 for wiring diagram.

*Note: *Refer to Technical section X, page X-8 for TR description.*

homeSELECT™
Combination Quiet Rocker Switches/Devices
Decorator Products

Mini-rockers provide multiple switches in a compact single gang. Maximize control while maintaining function and appearance.
• Low profile, less than 1 inch deep.
• Self-grounding feature is standard.

• Smooth rocker action.
• Elegant appearance.
• Operating temperature: -20°C to 60°C.
• UL Listed E3896, CSA Certified.

Combination Quiet Rocker Switches/Devices

Description	Rating	Color	Tamper-Resistant Catalog Numbers	Standard Catalog Numbers
Two (2) Three-Way Switches, Self-Grounding, Side Wire Termination	15A 120-277V AC	Almond Black Gray Ivory Light Almond White	— — — — — —	RCD303AL RCD303BK RCD303GY RCD303I RCD303LA RCD303W
Three-Way Switch, 2 Pole, 3 Wire, Receptacle, Self-Grounding, Side Wire Termination	15A 120V 15A 125V NEMA 5-15R	Almond Black Ivory Light Almond White	RCD308ALTR RCD308BKTR RCD308ITR RCD308LATR RCD308WTR	RCD308AL RCD308BK RCD308I RCD308LA RCD308W
Three-Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb, Self-Grounding, Side Wire Termination	15A 120V	Almond Ivory Light Almond White	— — — —	RCD309AL RCD309I RCD309LA RCD309W
Neutral required for pilot light.				
Single-Pole Switch, GFCI Grounding Receptacle, Back and Side Wire Terminations, Matching Nylon Wallplate Included	8.3A 1000W 15A 125V NEMA 5-15R	Almond Black Brown Ivory Light Almond White	— — — — — —	GFSP15AL GFSP15BK GFSP15 GFSP15I GFSP15LA GFSP15W

*Note: *Refer to Technical section X, page X-8 for TR description.*

RCD303W

RCD308W

RCD309W

GFSP15W

Pilot Light Wiring Diagram

Single-Pole
Hot
Neutral

Pilot Light Wiring Diagram

3-Way Switch
Hot
Neutral

homeSELECT™
Tamper-Resistant Advantages
Decorator Products

Because Safety Always Comes First.

homeSELECT™ Tamper-Resistant Receptacles are designed to keep children safe, because they keep objects like prying fingers, safety pins and keys out.

THE ULTIMATE PROOF IS CHILD-RESISTANT

Specially-designed shutters allow entry when a 2- or 3-bladed plug is inserted. The result is a receptacle that is tamper-resistant and always on the job.

SAFETY IN ACTION

Spring-loaded shutters lock out a single object, effectively blocking entry to the contacts.

The NEC

- 406.11 Tamper-Resistant Receptacles in Dwelling Units.
  - In all areas specified in 210.52, all 125 volt, 15 and 20 ampere receptacles shall be listed tamper-resistant receptacles.
- 517.18 General Care Areas.
  - (C) Pediatric locations. Receptacles located within the rooms, bathrooms, playrooms, activity rooms, and patient care areas of pediatric wards shall be listed tamper-resistant or shall employ a listed tamper-resistant cover.

Weather and Tamper-Resistant, Tamper-Resistant and Standard Receptacles

Description	Color	Weather and Tamper-Resistant Catalog Numbers	Tamper-Resistant Catalog Numbers	Standard Catalog Numbers
Decorator Duplex Receptacle,	Almond	**RRD15SALWRTR**	**RRD15SALTR**	**RRD15SAL**
2 Pole, 3 Wire, Self-Grounding,	Black	**RRD15SBKWRTR**	**RRD15SBKTR**	**RRD15SBK**
Push and Side Wire Terminations	Brown	**RRD15SWRTR**	**RRD15STR**	**RRD15S**
15A 125V	Gray	**RRD15SGYWRTR**	**RRD15SGYTR**	**RRD15SGY**
NEMA 5-15R	Ivory	**RRD15SIWRTR**	**RRD15SITR**	**RRD15SI**
	Light Almond	**RRD15SLAWRTR**	**RRD15SLATR**	**RRD15SLA**
	White	**RRD15SWWRTR**	**RRD15SWTR**	**RRD15SW**

RRD15SW

*Note: *Refer to Technical section X, page X-8 for TR and WR descriptions.*

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

homeSELECT™
Tamper-Resistant and Standard Receptacles
Decorator Products

Decorator receptacles offer styling with functionality. Ultrasonically welded cover and base provide maximum strength with contemporary look. Available with standard insert opening or in tamper-resistant versions.

• Elongated strap for better wall box mounting.
• High visibility base for easy wiring in low light areas.
• Low profile, shallow depth.
• Operating temperature: -20°C to 60°C.
• UL Listed E2186, CSA Certified.

Tamper-Resistant and Standard Receptacles

Description	Rating	Color	Tamper-Resistant Catalog Numbers	Standard Catalog Numbers
Decorator Duplex Receptacle, 2 Pole, 3 Wire, Push and Side Wire Terminations	15A 125V NEMA 5-15R	Almond	—	RRD15AL
		Black	—	RRD15BK
		Brown	—	RRD15
		Gray	—	RRD15GY
		Ivory	—	RRD15I
		Light Almond	—	RRD15LA
		White	—	RRD15W
Decorator Duplex Receptacle, 2 Pole, 3 Wire, Self-Grounding, Eight Push Wire Holes Only #14 AWG	15A 125V NEMA 5-15R	Almond	RRD15EALTR	RRD15EAL
		Black	RRD15EBKTR	RRD15EBK
		Brown	RRD15ETR	RRD15E
		Gray	RRD15EGYTR	RRD15EGY
		Ivory	RRD15EITR	RRD15EI
		Light Almond	RRD15ELATR	RRD15ELA
		White	RRD15EWTR	RRD15EW
Decorator Duplex Receptacle, Without Ears, 2 Pole, 3 Wire, Self-Grounding, Push and Side Wire Terminations 100 Per Case, Bulk Packed Mounting Screws Inserted into Strap	15A 125V NEMA 5-15R	Almond	RRD15KALTR	RRD15KAL
		Black	RRD15KBKTR	RRD15KBK
		Brown	RRD15KTR	RRD15K
		Gray	RRD15KGYTR	RRD15KGY
		Ivory	RRD15KITR	RRD15KI
		Light Almond	RRD15KLATR	RRD15KLA
		White	RRD15KWTR	RRD15KW
Decorator Single Receptacle, 2 Pole, 3 Wire, Self-Grounding, Side Wire Termination	15A 125V NEMA 5-15R	Almond	RRD151ALTR	RRD151AL
		Black	RRD151BKTR	RRD151BK
		Brown	RRD151TR	RRD151
		Gray	RRD151GYTR	RRD151GY
		Ivory	RRD151ITR	RRD151I
		Light Almond	RRD151LATR	RRD151LA
		White	RRD151WTR	RRD151W
Decorator Single Receptacle, 2 Pole, 3 Wire, Self-Grounding, Side Wire Termination	15A 250V NEMA 6-15R	Almond	—	RRD155AL
		Black	—	RRD155BK
		Brown	—	RRD155
		Gray	—	RRD155GY
		Ivory	—	RRD155I
		Light Almond	—	RRD155LA
		White	—	RRD155W
Decorator Single Receptacle, 2 Pole, 3 Wire, Self-Grounding, Side Wire Termination	20A 125V NEMA 5-20R	Almond	RRD201ALTR	RRD201AL
		Black	RRD201BKTR	RRD201BK
		Brown	RRD201TR	RRD201
		Gray	RRD201GYTR	RRD201GY
		Ivory	RRD201ITR	RRD201I
		Light Almond	RRD201LATR	RRD201LA
		White	RRD201WTR	RRD201W
Decorator Single Receptacle, 2 Pole, 3 Wire, Self-Grounding, Side Wire Termination	20A 250V NEMA 6-20R	Almond	—	RRD205AL
		Black	—	RRD205BK
		Brown	—	RRD205
		Gray	—	RRD205GY
		Ivory	—	RRD205I
		Light Almond	—	RRD205LA
		White	—	RRD205W

*Note: *Refer to Technical section X, page X-8 for TR description.*

RRD15W

RRD15EW

RRD15KW

RRD151W

RRD201W

homeSELECT™
Wallplate Dimensions
Decorator Products

Snap-on wallplates utilize a two piece design. A subplate is fastened to the device, then a screwless snap-on cover plate is affixed. Four snaps securely hold the cover to the subplate. For multiple gang configurations, the subplate aligns the device so that the cover plate matches perfectly.

Snap-On Subplate

Snap-On Cover Plate

4.63" (117.6)

2.88" (73.2)

0.13" (3.3)

4.63" (117.6)

Snaps

2.88" (73.2)

0.13" (3.3)

Standard nylon decorator plates feature pre-inserted captive screws for faster assembly, up to six-gang. No more dropped or lost screws.

Standard Size Nylon

Mid-Size Nylon

4.63" (117.6)

Captive Screws

2.88" (73.2)

0.25" (6.4)

4.88" (124.0)

Captive Screws

3.13" (79.5)

0.25" (6.4)

Reinforcement ribs provide extra strength.

0.25" (6.4)

A longer ⅜" screw makes for an easier installation.

Wallplate Dimensions

homeSELECT™
Snap-On Wallplates
Decorator Products

Snap-on wallplates are a perfect way to provide an elegant appearance. Two piece construction with subplate that attaches to the device and snap-on cover plate.

- Smooth gloss finish.
- Virtually unbreakable thermoplastic.
- Easy to snap-on.
- Multi-gang auto alignment.
- UL Listed E92074, CSA Certified.

Snap-On Wallplates

Description	Color	Catalog Numbers
Snap-On Wallplate, 1-Gang, 1-Decorator	Almond	**RCW1AL**
	Black	**RCW1BK**
	Gray	**RCW1GY**
	Ivory	**RCW1I**
	Light Almond	**RCW1LA**
	White	**RCW1W**
Snap-On Wallplate, 2-Gang, 2-Decorator	Almond	**RCW2AL**
	Black	**RCW2BK**
	Gray	**RCW2GY**
	Ivory	**RCW2I**
	Light Almond	**RCW2LA**
	White	**RCW2W**
Snap-On Wallplate, 3-Gang, 3-Decorator	Almond	**RCW3AL**
	Black	**RCW3BK**
	Gray	**RCW3GY**
	Ivory	**RCW3I**
	Light Almond	**RCW3LA**
	White	**RCW3W**
Snap-On Wallplate, 4-Gang, 4-Decorator	Almond	**RCW4AL**
	Black	**RCW4BK**
	Gray	**RCW4GY**
	Ivory	**RCW4I**
	Light Almond	**RCW4LA**
	White	**RCW4W**
Snap-On Wallplate, 5-Gang, 5-Decorator	Almond	**RCW5AL**
	Black	**RCW5BK**
	Gray	**RCW5GY**
	Ivory	**RCW5I**
	Light Almond	**RCW5LA**
	White	**RCW5W**
Snap-On Wallplate, 6-Gang, 6-Decorator	Almond	**RCW6AL**
	Black	**RCW6BK**
	Gray	**RCW6GY**
	Ivory	**RCW6I**
	Light Almond	**RCW6LA**
	White	**RCW6W**

Dimensions in Inches (mm)

homeSELECT™
Decorator Wallplates
Decorator Products

All nylon decorator plates feature pre-inserted captive screws for faster assembly, up to 6-gang. No more dropped or lost screws.

- Virtually unbreakable nylon construction.
- Curved corners blend into any interior.
- Reinforcement ribs for stiffness.
- Smooth wallplate for easy cleaning.
- UL Listed E92074, CSA Certified.

Decorator Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
1-Gang, 1-Decorator	Almond	NP26AL	NPJ26AL	Brass	SB26
	Black	NP26BK	NPJ26BK	Brass Plated	SBP26
	Brown	NP26	NPJ26	Chrome	SCH26
	Gray	NP26GY	NPJ26GY	Stainless Steel	SS26
	Ivory	NP26I	NPJ26I		
	Light Almond	NP26LA	NPJ26LA		
	White	NP26W	NPJ26W		
2-Gang, 2-Decorator	Almond	NP262AL	NPJ262AL	Brass	SB262
	Black	NP262BK	NPJ262BK	Brass Plated	SBP262
	Brown	NP262	NPJ262	Chrome	SCH262
	Gray	NP262GY	NPJ262GY	Stainless Steel	SS262
	Ivory	NP262I	NPJ262I		
	Light Almond	NP262LA	NPJ262LA		
	White	NP262W	NPJ262W		
3-Gang, 3-Decorator	Almond	NP263AL	NPJ263AL	Brass	—
	Black	NP263BK	NPJ263BK	Brass Plated	SBP263
	Brown	NP263	NPJ263	Chrome	—
	Gray	NP263GY	NPJ263GY	Stainless Steel	SS263
	Ivory	NP263I	NPJ263I		
	Light Almond	NP263LA	NPJ263LA		
	White	NP263W	NPJ263W		
4-Gang, 4-Decorator	Almond	NP264AL	NPJ264AL	Brass	—
	Black	NP264BK	NPJ264BK	Brass Plated	—
	Brown	NP264	NPJ264	Chrome	—
	Gray	NP264GY	NPJ264GY	Stainless Steel	SS264
	Ivory	NP264I	NPJ264I		
	Light Almond	NP264LA	NPJ264LA		
	White	NP264W	NPJ264W		
5-Gang, 5-Decorator	Almond	NP265AL	—	Brass	—
	Black	NP265BK	—	Brass Plated	—
	Brown	NP265	—	Chrome	—
	Gray	NP265GY	—	Stainless Steel	SS265
	Ivory	NP265I	—		
	Light Almond	NP265LA	—		
	White	NP265W	—		
6-Gang, 6-Decorator	Almond	NP266AL	—	Brass	—
	Black	NP266BK	—	Brass Plated	—
	Brown	NP266	—	Chrome	—
	Gray	NP266GY	—	Stainless Steel	SS266
	Ivory	NP266I	—		
	Light Almond	NP266LA	—		
	White	NP266W	—		

homeSELECT™
Combination Wallplates
Decorator Products

Combination plates enable decorator devices and GFCIs to be used with standard switches and receptacles.

- Virtually unbreakable nylon construction.
- Curved corners blend into any interior.
- Reinforcement ribs for stiffness.
- Smooth wallplate for easy cleaning.
- UL Listed E92074, CSA Certified.

Combination Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Numbers
2-Gang, 1-Toggle, 1-Decorator	Almond	NP126AL	NPJ126AL	Brass	SB126
	Black	NP126BK	NPJ126BK	Brass Plated	SBP126
	Brown	NP126	NPJ126	Chrome	—
	Gray	NP126GY	NPJ126GY	Stainless Steel	SS126
	Ivory	NP126I	NPJ126I		
	Light Almond	NP126LA	NPJ126LA		
	White	NP126W	NPJ126W		
2-Gang, 1-Duplex, 1-Decorator	Almond	NP826AL	NPJ826AL	Brass	SB826
	Black	NP826BK	NPJ826BK	Brass Plated	—
	Brown	NP826	NPJ826	Chrome	—
	Gray	NP826GY	NPJ826GY	Stainless Steel	SS826
	Ivory	NP826I	NPJ826I		
	Light Almond	NP826LA	NPJ826LA		
	White	NP826W	NPJ826W		
2-Gang, 1-Blank Box Mount, 1-Decorator	Almond	NP1326AL	NPJ1326AL	Brass	—
	Black	NP1326BK	—	Brass Plated	—
	Brown	NP1326	NPJ1326	Chrome	—
	Gray	NP1326GY	—	Stainless Steel,	
	Ivory	NP1326I	NPJ1326I	Strap Mount	SS1426
	Light Almond	NP1326LA	NPJ1326LA		
	White	NP1326W	NPJ1326W		
3-Gang, 2-Toggle, 1-Decorator	Almond	NP226AL	NPJ226AL	Brass	—
	Black	NP226BK	NPJ226BK	Brass Plated	—
	Brown	NP226	NPJ226	Chrome	—
	Gray	NP226GY	NPJ226GY	Stainless Steel	SS226
	Ivory	NP226I	NPJ226I		
	Light Almond	NP226LA	NPJ226LA		
	White	NP226W	NPJ226W		
3-Gang, 1-Toggle, 2-Decorator	Almond	NP1262AL	—	Brass	—
	Black	NP1262BK	—	Brass Plated	—
	Brown	NP1262	—	Chrome	—
	Gray	NP1262GY	—	Stainless Steel	—
	Ivory	NP1262I	—		
	Light Almond	NP1262LA	—		
	White	NP1262W	—		
4-Gang, 3-Toggle, 1-Decorator	Almond	NP326AL	—	Brass	—
	Black	NP326BK	—	Brass Plated	—
	Brown	NP326	—	Chrome	—
	Gray	NP326GY	—	Stainless Steel	SS326
	Ivory	NP326I	—		
	Light Almond	NP326LA	—		
	White	NP326W	—		
4-Gang, 2-Toggle, 2-Decorator	Almond	NP2262AL	—	Brass	—
	Black	NP2262BK	—	Brass Plated	—
	Brown	NP2262	—	Chrome	—
	Gray	NP2262GY	—	Stainless Steel	—
	Ivory	NP2262I	—		
	Light Almond	NP2262LA	—		
	White	NP2262W	—		

homeSELECT™
Modular Snap Fit Jacks
Decorator Products

UL CSA

netSELECT™ Voice/Data Jacks and AV Connectors allow custom creation of multimedia outlets and workstations while maintaining a decorative look.

- Quick and secure snap-in design.
- Use with multimedia plates and decorator frames (see page V-15).
- UL Listed and CSA Certified, or cULus Listed 1863 - Communication Circuit Accessory.

Modular Snap Fit Jacks

NSJ6W
NSJ5EW
NSJUW

Molded-in icon designation for:
Cat. 6, Cat. 5e or telephone jacks

6   5e   ☎

Description	Color	Cat. 6	Cat. 5e	USOC
Modular Snap Fit Jacks	Almond	NSJ6AL	NSJ5EAL	NSJUAL
	Black	NSJ6BK	NSJ5EBK	NSJUBK
	Blue	NSJ6B	NSJ5EB	NSJUB
	Gray	NSJ6GY	NSJ5EGY	NSJUGY
	Green	NSJ6GN	NSJ5EGN	NSJUGN
	Ivory	NSJ6I	NSJ5EI	NSJUI
	Light Almond	NSJ6LA	NSJ5ELA	NSJULA
	Orange	NSJ6OR	NSJ5EOR	NSJUOR
	Red	NSJ6R	NSJ5ER	NSJUR
	White	NSJ6W	NSJ5EW	NSJUW
	Yellow	NSJ6Y	NSJ5EY	NSJUY

Audio/Video Connectors

SFGRFEI

NSF70I

SFRCRREI

SFRCWREI

SFRCYREI

SFRCBREI

SFRCGREI

Description	Color	Standard Bulkhead	Recessed
Gold F-Type Coupler Bulkhead, Female to Female	Almond	SFFGAL	SFGRFAL
	Black	SFFGBK	SFGRFBK
	Gray	SFFGGY	SFGRFGY
	Ivory	SFFGEI	SFGRFEI
	Light Almond	SFFGLA	SFGRFLA
	White	SFFGW	SFGRFW
Nickel F-Type Coupler Bulkhead, Female to Female	Almond	NSF70AL	—
	Black	NSF70BK	—
	Gray	NSF70GY	—
	Ivory	NSF70I	—
	Light Almond	NSF70LA	—
	White	NSF70W	—
RCA Gold Pass Through, Female to Female, Red Interior	Almond	SFRCRFFAL	SFRCRRAL
	Black	SFRCRFFBK	SFRCRRBK
	Gray	SFRCRFFGY	SFRCRRGY
	Ivory	SFRCRFFEI	SFRCRREI
	Light Almond	SFRCRFFLA	SFRCRRLA
	White	SFRCRFFW	SFRCRRW
RCA Gold Pass Through, Female to Female, White Interior	Almond	SFRCWFFAL	SFRCWRAL
	Black	SFRCWFFBK	SFRCWRBK
	Gray	SFRCWFFGY	SFRCWRGY
	Ivory	SFRCWFFEI	SFRCWREI
	Light Almond	SFRCWFFLA	SFRCWRLA
	White	SFRCWFFW	SFRCWRW
RCA Gold Pass Through, Female to Female, Yellow Interior	Almond	SFRCYFFAL	SFRCYRAL
	Black	SFRCYFFBK	SFRCYRBK
	Gray	SFRCYFFGY	SFRCYRGY
	Ivory	SFRCYFFEI	SFRCYREI
	Light Almond	SFRCYFFLA	SFRCYRLA
	White	SFRCYFFW	SFRCYRW
RCA Gold Pass Through, Female to Female, Blue Interior	Almond	SFRCBFFAL	SFRCBRAL
	Black	SFRCBFFBK	SFRCBRBK
	Gray	SFRCBFFGY	SFRCBRGY
	Ivory	SFRCBFFEI	SFRCBREI
	Light Almond	SFRCBFFLA	SFRCBRLA
	White	SFRCBFFW	SFRCBRW
RCA Gold Pass Through, Female to Female, Green Interior	Almond	SFRCGNFFAL	SFRCGNRAL
	Black	SFRCGNFFBK	SFRCGNRBK
	Gray	SFRCGNFFGY	SFRCGNRGY
	Ivory	SFRCGNFFEI	SFRCGNREI
	Light Almond	SFRCGNFFLA	SFRCGNRLA
	White	SFRCGNFFW	SFRCGNRW

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

homeSELECT™
Decorator Frames

Decorator Products

Decorator frames provide a stylized look for that finishing touch. This allows all devices to match. Multimedia jacks insert into frame for custom configuration.

- Elongated strap for better wall box mounting.
- High impact-resistant thermoplastic frame.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

Customize the jack selections and look.

+   **=**

Decorator Frames

Description	Color	Catalog Numbers
1-Gang, 2-Port, Decorator Frame	Almond	**NS612AL**
	Black	**NS612BK**
	Gray	**NS612GY**
	Ivory	**NS612I**
	Light Almond	**NS612LA**
	White	**NS612W**
1-Gang, 3-Port, Decorator Frame	Almond	**NS613AL**
	Black	**NS613BK**
	Gray	**NS613GY**
	Ivory	**NS613I**
	Light Almond	**NS613LA**
	White	**NS613W**
1-Gang, 4-Port, Decorator Frame	Almond	**NS614AL**
	Black	**NS614BK**
	Gray	**NS614GY**
	Ivory	**NS614I**
	Light Almond	**NS614LA**
	White	**NS614W**
1-Gang, 6-Port, Decorator Frame	Almond	**NS616AL**
	Black	**NS616BK**
	Gray	**NS616GY**
	Ivory	**NS616I**
	Light Almond	**NS616LA**
	White	**NS616W**
1-Gang, Adapter .406" (10.30) Dia. Hole, Decorator Frame For use with rotary dimmers or to pull through AV or telephone cable.	Almond	**NS621AL**
	Ivory	**NS621I**
	Light Almond	**NS621LA**
	White	**NS621W**
1-Gang, Adapter Blank, Decorator Frame To fill an extra decorator opening or to create customized openings.	Almond	**NS620AL**
	Ivory	**NS620I**
	Light Almond	**NS620LA**
	White	**NS620W**

NS612I

NS613I

NS614I

NS616I

NS621I

NS620I

homeSELECT™
Molded-In Voice/Data/Video
Decorator Products

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate. Create a look to match your voice/data, switch, and receptacle devices.

- High impact-resistant thermoplastic frame.
- Meets FCC part 68.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

Molded-In Voice/Low-Speed Data

Description	Color	Catalog Numbers
Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations	Almond	**NS770AL**
	Black	**NS770BK**
	Brown	**NS770**
	Gray	**NS770GY**
	Ivory	**NS770I**
	Light Almond	**NS770LA**
	White	**NS770W**
Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations	Almond	**NS771AL**
	Brown	**NS771**
	Ivory	**NS771I**
	Light Almond	**NS771LA**
	White	**NS771W**
Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor, Screw Terminations	Almond	**NS772AL**
	Ivory	**NS772I**
	Light Almond	**NS772LA**
	White	**NS772W**
Decorator Frame, One Cat. 5e 110 Punch-Down, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations	Almond	**NS784AL**
	Black	**NS784BK**
	Brown	**NS784**
	Gray	**NS784GY**
	Ivory	**NS784I**
	Light Almond	**NS784LA**
	White	**NS784W**

NS770I
NS771I
NS772I
NS784I

homeSELECT™
Molded-In Voice/Data/Video
Decorator Products

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame.
- Jacks meet FCC part 68.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

Molded-In Voice/Low-Speed Data

Description	Color	Catalog Numbers
Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Almond Ivory Light Almond White	**NS780AL** **NS780I** **NS780LA** **NS780W**
Decorator Frame, Duplex F-Type Coupler Bulkhead, Female to Female	Almond Ivory Light Almond White	**NS782AL** **NS782I** **NS782LA** **NS782W**
Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Almond Ivory Light Almond White	**NS783AL** **NS783I** **NS783LA** **NS783W**
Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female	Almond Black Brown Gray Ivory Light Almond White	**NS785AL** **NS785BK** **NS785** **NS785GY** **NS785I** **NS785LA** **NS785W**

NS780I

NS782I

NS783I

NS785I

homeSELECT™
Single-Pole Toggle Switches
Switches and Receptacles

Elongated strap with continuous plaster ears to fit device flush to the wall surface.

Quiet snap action mechanism.

Tough thermoplastic ultrasonically welded cover and base.

UL Listed and CSA Certified.

Multiple-drive Slot/Phillips/Robertson head screws.

Hi-visibility yellow base for easy installation in low light working conditions.

RS115W

RS115KW

RS115SW

RS115ILW

Single-Pole Toggle Switches

Description	Rating	Color	Catalog Numbers
Single-Pole Toggle Switch, Grounding, Push and Side Wire Terminations	15A 120V AC	Almond Black Brown Ivory Light Almond White	**RS115AL** **RS115BK** **RS115** **RS115I** **RS115LA** **RS115W**
Single-Pole Toggle Switch, Without Ears, Grounding, Push and Side Wire Terminations 100 Per Case, Bulk Packed Mounting Screws Inserted into Strap	15A 120V AC	Almond Ivory Light Almond White	**RS115KAL** **RS115KI** **RS115KLA** **RS115KW**
Single-Pole Toggle Switch, Self-Grounding, Push and Side Wire Terminations	15A 120V AC	Almond Brown Ivory Light Almond White	**RS115SAL** **RS115S** **RS115SI** **RS115SLA** **RS115SW**
Single-Pole Toggle Switch, Illuminated, Self-Grounding, Push and Side Wire Terminations Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.	15A 120V AC	Clear Almond Ivory Light Almond White	**RS115ILC** **RS115ILAL** **RS115ILI** **RS115ILLA** **RS115ILW**

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

homeSELECT™
Three- and Four-Way Toggle Switches
Switches and Receptacles

Standard toggle switches provide the basic on/off control for home lighting and appliances.
• Tough thermoplastic with ultrasonically welded cover and base.

• Elongated strap for easier wall box mounting.
• Hi-visibility yellow base for easy installation.
• Operating temperature: -20°C to 60°C.
• UL Listed E3896, CSA Certified.

Three- and Four-Way Toggle Switches

Description	Rating	Color	Catalog Number
Three-Way Toggle Switch, Grounding, Push and Side Wire Terminations	15A 120V AC	Almond	RS315AL
		Black	RS315BK
		Brown	RS315
		Ivory	RS315I
		Light Almond	RS315LA
		White	RS315W
Three-Way Toggle Switch, Without Ears, Self-Grounding, Push and Side Wire Terminations 100 Per Case, Bulk Packed Mounting Screws Inserted into Strap	15A 120V AC	Almond	RS315KAL
		Ivory	RS315KI
		Light Almond	RS315KLA
		White	RS315KW
Three-Way Toggle Switch, Self-Grounding, Push and Side Wire Terminations	15A 120V AC	Almond	RS315SAL
		Brown	RS315S
		Ivory	RS315SI
		Light Almond	RS315SLA
		White	RS315SW
Three-Way Toggle Switch, Illuminated, Self-Grounding, Push and Side Wire Terminations	15A 120V AC	Clear	RS315ILC
		Almond	RS315ILAL
		Ivory	RS315ILI
		Light Almond	RS315ILLA
		White	RS315ILW
Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.			
Four-Way Toggle Switch, Self-Grounding, Side Wire Terminations	15A 120V AC	Almond	RS415AL
		Black	RS415BK
		Brown	RS415
		Ivory	RS415I
		Light Almond	RS415LA
		White	RS415W

RS315W

RS315KW

RS315SW

RS315ILW

RS415W

homeSELECT™
Combination Switches/Devices
Switches and Receptacles

UL Listed and CSA Certified.

Self-grounding tab is standard.

Quiet snap action mechanism.

Low profile, less than 1 inch allows for maximum wiring room in the box.

Combination devices provide compact switches in a single-gang opening.

Multiple-drive Slot/Phillips/Robertson head screws.

Hi-visibility yellow base for easy installation in low light working conditions.

Elongated strap with continuous plaster ears to fit device flush to the wall surface.

Combination Switches/Devices

*

RC101I

RC108I

RC109I

Description	Rating	Color	Tamper-Resistant Catalog Numbers	Standard Catalog Numbers
Two (2) Single-Pole Switches, Self-Grounding, Side Wire Termination	15A 120V AC	Almond Brown Ivory Light Almond White	— — — — —	RC101AL RC101 RC101I RC101LA RC101W
Single-Pole Switch, 2 Pole, 3 Wire, Receptacle, Self-Grounding, Side Wire Termination	15A 120V AC 15A 125V NEMA 5-15R	Almond Brown Ivory Light Almond White	RC108ALTR RC108TR RC108ITR RC108LATR RC108WTR	RC108AL RC108 RC108I RC108LA RC108W
Single-Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb, Self-Grounding, Side Wire Termination	15A 120V AC	Almond Brown Ivory Light Almond White	— — — — —	RC109AL RC109 RC109I RC109LA RC109W

Neutral required for pilot light, see page V-7 for wiring diagram.

*Note: *Refer to Technical section X, page X-8 for TR description.*

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

homeSELECT™
Combination Switches/Devices
Switches and Receptacles

Mini-toggles provide for multiple switches in a compact single gang. Maximize control while maintaining function and appearance.
• Low profile, less than 1 inch.
• Self-grounding feature is standard.

• Smooth toggle action.
• Operating temperature: -20°C to 60°C.
• UL Listed, CSA Certified.

Combination Switches/Devices

Description	Rating	Color	Tamper-Resistant Catalog Numbers	Standard Catalog Numbers
Single-Pole and Three-Way Switch, Self-Grounding, Side Wire Termination	15A 120V AC	Almond	—	RC103AL
		Brown	—	RC103
		Ivory	—	RC103I
		Light Almond	—	RC103LA
		White	—	RC103W
Two (2) Three-Way Switches, Self-Grounding, Side Wire Termination	15A 120V AC	Almond	—	RC303AL
		Brown	—	RC303
		Ivory	—	RC303I
		Light Almond	—	RC303LA
		White	—	RC303W
Three-Way Switch, 2 Pole, 3 Wire, Receptacle, Self-Grounding, Side Wire Termination	15A 120V AC 15A 125V NEMA 5-15R	Almond	RC308ALTR	RC308AL
		Brown	RC308TR	RC308
		Ivory	RC308ITR	RC308I
		White	RC308WTR	RC308W
Three-Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb, Self-Grounding, Side Wire Termination	15A 120V AC	Almond	—	RC309AL
		Brown	—	RC309
		Ivory	—	RC309I
		White	—	RC309W
			—	

Neutral required for pilot light.

*Note: *Refer to Technical section X, page X-8 for TR description.*

RC103I

RC303I

RC308I

RC309I

homeSELECT™
Duplex Quick Thread Receptacles
Switches and Receptacles

Quick And Easy Does It.
homeSELECT™ exclusive "Quick Thread" makes installation of wallplates and receptacles quicker and easier.

ONE PUSH FOR A SNUG FIT

Just push in the screw and turn.

Elongated strap with continuous plaster ears to secure device.

New face design provides smooth appearance to complement interiors and the convenience of finder grooves.

Multiple-drive Slot/Phillips/Robertson head screws.

Push wire "sure hold" termination for extra holding power.

Tough thermoplastic ultrasonically welded cover and base.

HOW "QUICK THREAD" WORKS

A stainless steel spring grabs the threads and locks the screw in place. "Quick Thread" works with any wallplate screw.

Just push the screw in with a screwdriver.

Duplex Quick Thread Receptacles

Description	Rating	Color	Tamper-Resistant Catalog Numbers	Standard Catalog Numbers
Duplex Receptacle, Quick Thread, 2 Pole, 3 Wire, Self-Grounding, Push and Side Wire Terminations	15A 125V NEMA 5-15R	Almond	**RR15QALTR**	**RR15QAL**
		Black	**RR15QBKTR**	**RR15QBK**
		Brown	**RR15QTR**	**RR15Q**
		Ivory	**RR15QITR**	**RR15QI**
		Light Almond	**RR15QLATR**	**RR15QLA**
		White	**RR15QWTR**	**RR15QW**
Duplex Receptacle, Quick Thread, 2 Pole, 3 Wire, Eight Push Wire Holes Only #14 AWG	15A 125V NEMA 5-15R	Almond	**RR15EQALTR**	**RR15EQAL**
		Black	**RR15EQBKTR**	**RR15EQBK**
		Brown	**RR15EQTR**	**RR15EQ**
		Ivory	**RR15EQITR**	**RR15EQI**
		Light Almond	**RR15EQLATR**	**RR15EQLA**
		White	**RR15EQWTR**	**RR15EQW**

RR15QW

*Note: *Refer to Technical section X, page X-8 for TR description.*

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

homeSELECT™
Duplex and Single Receptacles
Switches and Receptacles

Provides branch circuit convenience power in duplex and single configurations.
• Smooth indented face appearance.
• Terminal screws accepts up to #12 AWG.
• Duplex ultrasonically welded.

• Push wire designed for #14 AWG solid copper wire only.
• Operating temperature: -20°C to 60°C.
• UL Listed E2186, CSA Certified.

Duplex and Single Receptacles

Description	Color	Weather and Tamper-Resistant Catalog Numbers	Tamper-Resistant Catalog Numbers	Standard Catalog Numbers
Duplex Receptacle, 2 Pole, 3 Wire, Grounding, Push and Side Wire Terminations 15A 125V NEMA 5-15R	Almond	—	—	RR15AL
	Black	—	—	RR15BK
	Brown	—	—	RR15
	Ivory	—	—	RR15I
	Light Almond	—	—	RR15LA
	White	—	—	RR15W
Duplex Receptacle, 2 Pole, 3 Wire, Self-Grounding, Push and Side Wire Terminations 15A 125V NEMA 5-15R	Almond	RR15SALWRTR	RR15SALTR	RR15SAL
	Brown	RR15SWRTR	RR15STR	RR15S
	Black	RR15SBKWRTR	RR15SBKTR	RR15SBK
	Ivory	RR15SIWRTR	RR15SITR	RR15SI
	Light Almond	RR15SLAWRTR	RR15SLATR	RR15SLA
	White	RR15SWWRTR	RR15SWTR	RR15SW
Duplex Receptacle, Without Ears, 2 Pole, 3 Wire, Grounding, Eight Push Wire Holes Only #14 AWG 15A 125V NEMA 5-15R	Almond	—	RR15EALTR	RR15EAL
	Black	—	RR15EBKTR	RR15EBK
	Brown	—	RR15ETR	RR15E
	Gray	—	RR15EGYTR	RR15EGY
	Ivory	—	RR15EITR	RR15EI
	Light Almond	—	RR15ELATR	RR15ELA
	White	—	RR15EWTR	RR15EW
Duplex Receptacle, Without Ears, 2 Pole, 3 Wire, Grounding, Push and Side Wire Terminations 100 Per Case, Bulk Packed Mounting Screws Inserted into Strap 15A 125V NEMA 5-15R	Almond	—	RR15KALTR	RR15KAL
	Brown	—	RR15KTR	RR15K
	Ivory	—	RR15KITR	RR15KI
	Light Almond	—	RR15KLATR	RR15KLA
	White	—	RR15KWTR	RR15KW
Single Receptacle, 2 Pole, 3 Wire, Self-Grounding, Side Wire Terminations 15A 125V NEMA 5-15R	Almond	RR151ALWRTR	RR151ALTR	RR151AL
	Black	RR151BKWRTR	RR151BKTR	RR151BK
	Brown	RR151WRTR	RR151TR	RR151
	Gray	RR151GYWRTR	RR151GYTR	RR151GY
	Ivory	RR151IWRTR	RR151ITR	RR151I
	Light Almond	RR151LAWRTR	RR151LATR	RR151LA
	White	RR151WWRTR	RR151WTR	RR151W
Single Receptacle, 2 Pole, 3 Wire, Self-Grounding, Side Wire Terminations 15A 250V NEMA 6-15R	Almond	RR155ALWR	—	RR155AL
	Black	RR155BKWR	—	RR155BK
	Brown	RR155WR	—	RR155
	Gray	RR155GYWR	—	RR155GY
	Ivory	RR155IWR	—	RR155I
	Light Almond	RR155LAWR	—	RR155LA
	White	RR155WWR	—	RR155W
Single Receptacle, 2 Pole, 3 Wire, Self-Grounding, Side Wire Terminations 20A 125V NEMA 5-20R	Almond	RR201ALWRTR	RR201ALTR	RR201AL
	Black	RR201BKWRTR	RR201BKTR	RR201BK
	Brown	RR201WRTR	RR201TR	RR201
	Gray	RR201GYWRTR	RR201GYTR	RR201GY
	Ivory	RR201IWRTR	RR201ITR	RR201I
	Light Almond	RR201LAWRTR	RR201LATR	RR201LA
	White	RR201WWRTR	RR201WTR	RR201W
Single Receptacle, 2 Pole, 3 Wire, Self-Grounding, Side Wire Terminations 20A 250V NEMA 6-20R	Almond	RR205ALWR	—	RR205AL
	Black	RR205BKWR	—	RR205BK
	Brown	RR205WR	—	RR205
	Gray	RR205GYWR	—	RR205GY
	Ivory	RR205IWR	—	RR205I
	Light Almond	RR205LAWR	—	RR205LA
	White	RR205WWR	—	RR205W

*Note: *Refer to Technical section X, page X-8 for TR and WR descriptions.*

RR15W

RR15EW

RR15KW

RR151W

RR201W

homeSELECT™
GFCI Receptacles
Switches and Receptacles

Safety And Economy.

10ka Short Circuit Current Rating

UL Listed and CSA Certified.
Meets UL943 performance
requirements.

Recessed test and
reset buttons to prevent
accidental tripping from
oversized molded plugs.

Reinforced contacts
assure maximum
plug retention.

Large, combination back
and side wiring clamp-type
terminals accept up to
#10 AWG wire.

LED Indicator
Flashing red LED
signals loss of GFCI
protection.

Face and base molded of
a rugged impact-resistant
thermoplastic material.

Characteristics
Trip Level
Trip Time
Frequency
Voltage
Amperage
Maximum Interrupting Capacity
Operating Temperature

Maximum Humidity
Listings & Standards

Codes

GFCI Receptacles

GF15IL

GF20IL

GFBF20IL

GFSP15I

Description	Rating	Color	Tamper-Resistant, Weather Resistant Catalog Numbers	Standard Catalog Numbers
GFCI Duplex Receptacle, Flush, Nylon Face, Back and Side Wire Terminations, Matching Nylon Wallplate Included	15A 125V NEMA 5-15R	Almond	GFTR15AL	GF15ALL△
		Black	GFTR15BK	GF15BKL△
		Brown	GFTR15	GF15L△
		Gray	GFTR15GY	GF15GYL△
		Ivory	GFTR15I	GF15IL△
		Light Almond	GFTR15LA	GF15LAL△
		Red	GFTR15R	GF15RL△
		White	GFTR15W	GF15WL△
GFCI Duplex Receptacle, Flush, Nylon Face, Back and Side Wire Terminations, Matching Nylon Wallplate Included	20A 125V NEMA 5-20R	Almond	GFTR20AL	GF20ALL△
		Black	GFTR20BK	GF20BKL△
		Brown	GFTR20	GF20L△
		Gray	GFTR20GY	GF20GYL△
		Ivory	GFTR20I	GF20IL△
		Light Almond	GFTR20LA	GF20LAL△
		Red	GFTR20R	GF20RL△
		White	GFTR20W	GF20WL△
Circuit Guard Faceless GFCI, Faceless, Back and Side Wire Terminations, Matching Nylon Wallplate Included	20A 125V	Almond	—	GFBF20ALL△
		Black	—	GFBF20BKL△
		Brown	—	GFBF20L△
		Gray	—	GFBF20GYL△
		Ivory	—	GFBF20IL△
		Light Almond	—	GFBF20LAL△
		Red	—	GFBF20RL△
		White	—	GFBF20WL△
Single-Pole Switch, GFCI Grounding Receptacle, Back and Side Wire Terminations, Matching Nylon Wallplate Included	8.3A 1000W 15A 125V NEMA 5-15R	Almond	—	GFSP15AL
		Black	—	GFSP15BK
		Brown	—	GFSP15
		Ivory	—	GFSP15I
		Light Almond	—	GFSP15LA
		White	—	GFSP15W

Notes: △ To be replaced by Auto Grounding version in the 4th quarter 2008. Add a "A" suffix for Auto Grounding catalog numbers. See section H for more information.
* Refer to Technical Section X, page X-8 for TR and WR descriptions.

homeSELECT™
Self Test GFCI Receptacles
Switches and Receptacles

Safety, Plus More.

The only GFCI receptacle that tests itself. Every 60 seconds the device performs a diagnostic test on its circuitry, offering a comprehensive approach to testing. Reverse wire safety feature assures unit cannot be reset under a reversed wiring condition. Meets UL943 performance requirements.

Rating

4 to 6 mA.
.025 sec. nominal
60 Hz.
120V AC +10% - 15%
15A/20A, 20A Feed Thru
10,000A
-35°C to +66°C or
-30°F to +150°F
95%
Meets UL498 for receptacles,
UL943 for GFCIs
UL File E41978, CSA Certified
Meets all NEC® & CEC requirements

10ka Short Circuit Current Rating

UL Listed and CSA Certified.

Power Indicator
Steady ON green LED indicates power supplied to device.

No power to face when reverse wired, meets UL 943 requirement.

High impact chemical resistant nylon housing.

GFCI Indicator
Flashing red LED signals loss of GFCI protection.

Steady ON red LED signals ground fault condition.

10,000 Amp short circuit withstand rating.

Self Test GFCI Receptacles

Description	Rating	Color	Catalog Numbers
Self Test GFCI Duplex Receptacle, Flush, Nylon Face, Back and Side Wire Terminations, Matching Nylon Wallplate Included	15A 125V NEMA 5-15R	Almond	**GFST15AL**
		Black	**GFST15BK**
		Brown	**GFST15**
		Gray	**GFST15GY**
		Ivory	**GFST15I**
		Light Almond	**GFST15LA**
		Red	**GFST15R**
		White	**GFST15W**
Self Test GFCI Duplex Receptacle, Flush, Nylon Face, Back and Side Wire Terminations, Matching Nylon Wallplate Included	20A 125V NEMA 5-20R	Almond	**GFST20AL**
		Black	**GFST20BK**
		Brown	**GFST20**
		Gray	**GFST20GY**
		Ivory	**GFST20I**
		Light Almond	**GFST20LA**
		Red	**GFST20R**
		White	**GFST20W**
Self Test Circuit Guard Faceless GFCI, Faceless, Back and Side Wire Terminations, Matching Nylon Wallplate Included	20A 125V	Almond	**GFSTBF20AL**
		Black	**GFSTBF20BK**
		Brown	**GFSTBF20**
		Gray	**GFSTBF20GY**
		Ivory	**GFSTBF20I**
		Light Almond	**GFSTBF20LA**
		Red	**GFSTBF20R**
		White	**GFSTBF20W**

GFST15I

GFST20I

GFSTBF20I

homeSELECT™
Range and Dryer Power Receptacles and Plugs
Switches and Receptacles

Rock And Lock — As Easy As 1-2-3.
Speed up installations with rock and lock self alignment.

1 Line up the cover & base.

2 Rock into place.

3 Lock in with screw.

Description	Color	Flush Mount Power Recept.	Panel Mount With Ground	Flush Mount With Cover	Surface Mount Power Recept.	Angled Plugs
NEMA 14-30 30A 125/250V	Black White	RR430F RR430FW	RR430PM —	— RR430WIP	RR430 —	RR435P —
NEMA 14-50 50A 125/250V	Black White	RR450F RR450FW	RR450PM —	— RR450WIP	RR450 —	RR435P —
NEMA 10-30 30A 125/250V	Black	RR330F*	—	—	RR330*	RR335P
NEMA 10-50 50A 125/250V	Black	RR350F*	—	—	RR350*	RR335P

*Note: * For replacement use only.*

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

homeSELECT™
Range and Dryer Power Receptacles and Plugs
Switches and Receptacles

Range and dryer devices offer heavy-duty connections in either surface mount or flush mount configurations. Made of rugged thermoplastic. Available in 30 Amp and 50 Amp, 75° C Rated.

- Terminals accept up to #4 AWG conductors.
- Power outlets are suitable for copper or aluminum conductors.
- Flush mount outlets fit 1- and 2-gang boxes.
- UL Listed, CSA Certified.

Range and Dryer Power Receptacles and Plugs

Description	Rating	Color	Catalog Numbers
Flush Mount Power Receptacle, 3 Pole, 4 Wire, with Ground, Mounts on 1- or 2-Gang Box	30A 125/250V	Black	**RR430F**
	30A 125/250V	White	**RR430FW**
	50A 125/250V	Black	**RR450F**
	50A 125/250V	White	**RR450FW**
Flush Mount Power Receptacle, 3 Pole, 3 Wire, without Ground, Mounts on 1- or 2-Gang Box	30A 125/250V	Black	**RR330F***
	50A 125/250V	Black	**RR350F***
Panel Mount, 3 Pole, 4 Wire, with Ground	30A 125/250V	Black	**RR430PM**
	50A 125/250V	Black	**RR450PM**
Flush Mount Power Receptacle, 3 Pole, 4 Wire, with Ground, Integrated Wallplate Cover, Mounts on 4¹¹⁄₁₆ inch Square Box	30A 125/250V	White	**RR430WIP**
	50A 125/250V	White	**RR450WIP**
Surface Mount Power Receptacle, 3 Pole, 4 Wire, with Ground	30A 125/250V	Black	**RR430**
	50A 125/250V	Black	**RR450**
Surface Mount Power Receptacle, 3 Pole, 3 Wire, without Ground	30A 125/250V	Black	**RR330***
	50A 125/250V	Black	**RR350***
Angled Plugs, 3 Pole, 4 Wire, with Ground	30/50A 125/250V	Black	**RR435P**
3 Pole, 3 Wire, without Ground Plugs supplied with interchangeable blades for 30 or 50 Amp configuration.	30/50A 125/250V	Black	**RR335P**

*Note: * For replacement use only.*

RR430FW

RR430PM

RR430WIP

RR450

RR435P

Wallplates

Description	Color	Standard Catalog Numbers	Mid-Size Catalog Numbers
Surface Mount Wallplate, 1-Gang, 1-Single Hole 2.15 inch Diameter	Ivory	**NP724I**	**NPJ724I**
	White	**NP724W**	**NPJ724W**
	Chrome	**SCH723**	—
	Stainless Steel	**SS723**	—
Surface Mount Wallplate, 2-Gang, 1-Single Hole 2.15 inch Diameter	Ivory	**NP703I**	**NPJ703I**
	White	**NP703W**	**NPJ703W**
	Stainless Steel	**SS703**	—

NP724W

NP703W

homeSELECT™
Special Use Products
Switches and Receptacles

Ideal for use behind thin profile, wall-mounted televisions. These devices allow the plug to recess into the wall minimizing interference.

- Recessed receptacle in 15 Amp and 20 Amp.
- Nylon configurations have removable hook for recessed use.
- UL Listed, CSA Certified.

15A 125V NEMA L5-15R UL/CSA

20A 125V NEMA L5-20R UL/CSA

RR151CHW

RJ650BK

RJ600

Special Use Products

Description	Color	Tamper Resistant	Standard	Tamper Resistant	Standard
Clock Hanger/Recessed Receptacle, 2 Pole, 3 Wire, Grounding, Side Wire Terminations	Brass	RR151CHBSTR	RR151CHBS	RR201CHBSTR	RR201CHBS
	Stainless Steel	RR151CHSSTR	RR151CHSS	RR201CHSSTR	RR201CHSS
	Ivory (Nylon)	RR151CHITR	RR151CHI	RR201CHITR	RR201CHI
	White (Nylon)	RR151CHWTR	RR151CHW	RR201CHWTR	RR201CHW
JLOAD™ Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD™ Multimedia Box RJ600. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage divider.	Almond	RJ650ALTR	RJ650AL	RJ620ALTR	RJ620AL
	Black	RJ650BKTR	RJ650BK	RJ620BKTR	RJ620BK
	Gray	RJ650GYTR	RJ650GY	RJ620GYTR	RJ620GY
	Ivory	RJ650ITR	RJ650I	RJ620ITR	RJ620I
	Light Almond	RJ650LATR	RJ650LA	RJ620LATR	RJ620LA
	White	RJ650WTR	RJ650W	RJ620WTR	RJ620W
JLOAD™ Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage divider.	Almond	RJ65ALTR	RJ65AL	RJ62ALTR	RJ62AL
	Black	RJ65BKTR	RJ65BK	RJ62BKTR	RJ62BK
	Gray	RJ65GYTR	RJ65GY	RJ62GYTR	RJ62GY
	Ivory	RJ65ITR	RJ65I	RJ62ITR	RJ62I
	Light Almond	RJ65LATR	RJ65LA	RJ62LATR	RJ62LA
	White	RJ65WTR	RJ65W	RJ62WTR	RJ62W
JLOAD™ Multimedia Box 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	RJ600	RJ600	RJ600	RJ600

Notes: See pages V-36 to V-42 for floor and under cabinet box options.
* Refer to Technical section X, page X-8 for TR description.

homeSELECT™
Special Use Products
Switches and Receptacles

Special Use Products

Description	Rating	Color	Catalog Numbers
Door Switch, "On" When Door is Open, Switch with Cover Plate and Box	3A 125V AC	Zinc Plated Steel	**RDS50***
Door Switch, "Off" When Door is Open, Switch with Cover Plate and Box	3A 125V AC	Zinc Plated Steel	**RDS30***

RDS50

RDS30

*Note: *Not UL Listed.*

Product Dimensions

1.50" (3.81) — 1.76" (4.47) — 4.00" (10.16) — 3.13" (7.95) — 2.67" (6.78) — 0.35" (0.89) — ½" K.O. 0.87" (2.21) — 1.34" (3.40) — 0.08" (0.20) — 0.07" (0.18)

In-Line Cord Switches

Description	Rating	Color	Catalog Numbers
Mini In-Line Cord Switch, #18 AWG, For Use with Flat Lamp Cord, SPT 1 and SPT 2	6A 125V AC	White	**RS100W**
Heavy Duty In-Line Cord Switch, 18/2-16/2, SPT 1 and SPT 2	6A 125V AC ⅙ HP	Ivory White	**RS101I** **RS101W**

RS100W

RS101W

homeSELECT™
Decorator Dimmers and Fan Speed Controls
Lighting Controls

Rocker lighting controls enable the user to operate the device similar to switches, but with the convenience of dimming. The side slide adjustment is built into the frame and out of the way, but there when you need it.

- Matches decorator devices.
- Easy to activate.
- Large heat sink for longer circuit life.
- Superior RFI suppression circuitry.
- Wire lead terminations.

Decorator Dimmers

RDV600PW

Description	Rating	Color	Single-Pole Catalog Numbers	Three-Way Catalog Numbers
Rocker Dimmer, Side Slide Adjustment, Incandescent, Preset with Night Light	1000W 120V AC	Almond	RDV10PAL	RDV103PAL
		Black	RDV10PBK	RDV103PBK
		Gray	RDV10PGY	RDV103PGY
		Ivory	RDV10PI	RDV103PI
		Light Almond	RDV10PLA	RDV103PLA
		White	RDV10PW	RDV103PW
Rocker Dimmer, Side Slide Adjustment, Incandescent, Preset with Night Light	600W 120V AC	Almond	RDV600PAL	RDV603PAL
		Black	RDV600PBK	RDV603PBK
		Gray	RDV600PGY	RDV603PGY
		Ivory	RDV600PI	RDV603PI
		Light Almond	RDV600PLA	RDV603PLA
		White	RDV600PW	RDV603PW
Rocker Dimmer, Magnetic Low Voltage, Preset with Night Light	600VA (450W) 120V AC	Almond	RDVLV600PAL	RDVLV603PAL
		Black	RDVLV600PBK	RDVLV603PBK
		Gray	RDVLV600PGY	RDVLV603PGY
		Ivory	RDVLV600PI	RDVLV603PI
		Light Almond	RDVLV600PLA	RDVLV603PLA
		White	RDVLV600PW	RDVLV603PW
Rocker Dimmer, Electronic Low Voltage, Preset with Night Light Requires neutral	300W 120V AC	Almond	RDVELV300PAL	RDVELV303PAL
		Black	RDVELV300PBK	RDVELV303PBK
		Gray	RDVELV300PGY	RDVELV303PGY
		Ivory	RDVELV300PI	RDVELV303PI
		Light Almond	RDVELV300PLA	RDVELV303PLA
		White	RDVELV300PW	RDVELV303PW

Fan Speed Controls

RDVFSQFW

Description	Rating	Color	Single-Pole/Three-Way Catalog Numbers
Rocker Fan Control, 3-Speed, Slide Adjustment	1.5A 120V AC	Almond	RDVFSQFAL
		Black	RDVFSQFBK
		Gray	RDVFSQFGY
		Ivory	RDVFSQFI
		Light Almond	RDVFSQFLA
		White	RDVFSQFW

homeSELECT™
Slide Dimmers and Fan Speed Controls
Lighting Controls

Slide lighting controls provide preset on/off action and dimming. The slide bar provides a visual indication of the preset light level.

• Matches decorator devices.
• Easy to activate.
• Large heat sink for longer circuit life.
• Superior RFI suppression circuitry.
• Wire lead terminations.

Slide Dimmers

Description	Rating	Color	Single-Pole Catalog Numbers	Three-Way Catalog Numbers
Slide Dimmer, Incandescent, Preset with On/Off Switch	1000W 120V AC	Almond Ivory Light Almond White	RS10PAL RS10PI RS10PLA RS10PW	RS103PAL RS103PI RS103PLA RS103PW
Slide Dimmer, Incandescent, Preset with On/Off Switch	600W 120V AC	Almond Ivory Light Almond White	RS600PAL RS600PI RS600PLA RS600PW	RS603PAL RS603PI RS603PLA RS603PW
Slide Dimmer, Magnetic Low Voltage, Preset with On/Off Switch	600VA (450W) 120V AC	Almond Ivory Light Almond White	RSLV600PAL RSLV600PI RSLV600PLA RSLV600PW	RSLV603PAL RSLV603PI RSLV603PLA RSLV603PW
Slide Dimmer, Electronic Low Voltage, Preset with On/Off Switch Requires neutral	300W 120V AC	Almond Ivory Light Almond White	RSELV300PAL RSELV300PI RSELV300PLA RSELV300PW	RSELV303PAL RSELV303PI RSELV303PLA RSELV303PW

RS600PW

Fan Speed Controls

Description	Rating	Color	Single-Pole Catalog Numbers	Three-Way Catalog Numbers
Slide Fan Control, Slide To Off, 3-Speed	1.5A 120V AC	Almond Ivory Light Almond White	RSFSQFAL RSFSQFI RSFSQFLA RSFSQFW	— — — —
Combination Slide Dimmer, Incandescent and 3-Speed Fan Control	300W 1.5A 120V AC	Almond Ivory Light Almond White	RS2LFSQAL RS2LFSQI RS2LFSQLA RS2LFSQW	— — — —
Replacement Slide Knobs		Almond Ivory Light Almond White	RSKAL RSKI RSKLA RSKW	

RSFSQFW

RS2LFSQW

RSKW

RSKI

homeSELECT™
Toggle Dimmers and Fan Speed Controls
Lighting Controls

Toggle lighting controls provide the perfect look to match traditional interiors. The side slide adjustment is built into the frame and out of the way, but there when you need it.

• Matches traditional styling.
• Easy to activate.
• Large heat sink for longer circuit life.
• Superior RFI suppression circuitry.
• Wire lead terminations.

Toggle Dimmers

RAY600PW

Description	Rating	Color	Single-Pole Catalog Numbers	Three-Way Catalog Numbers
Toggle Dimmer, Incandescent, Preset,	1000W 120V AC	Almond Ivory Light Almond White	RAY10PAL RAY10PI RAY10PLA RAY10PW	RAY103PAL RAY103PI RAY103PLA RAY103PW
Toggle Dimmer, Incandescent, Preset, Terminal Screws on 600 watt version	600W 120V AC	Almond Ivory Light Almond White	RAY600PAL RAY600PI RAY600PLA RAY600PW	RAY603PAL RAY603PI RAY603PLA RAY603PW

Fan Speed Controls

RAYFSQFW

RAY2LFSQW

Description	Rating	Color	Single-Pole/Three-Way Catalog Numbers
Toggle Fan Control, 3-Speed	1.5A 120V AC	Almond Ivory Light Almond White	RAYFSQFAL RAYFSQFI RAYFSQFLA RAYFSQFW

Description	Rating	Color	Single-Pole Only Catalog Number
Combination Toggle Fan/Light Controls, Incandescent and 3-Speed Fan Control	300W 1.5 A 120V AC	Almond Ivory Light Almond White	RAY2LFSQAL RAY2LFSQI RAY2LFSQLA RAY2LFSQW

homeSELECT™
Rotary Dimmers and Fan Speed Controls
Lighting Controls

Rotary lighting controls provide for basic adjustment of light and fans in an economical package.

• Fit with toggle wallplates.
• Easy to activate.
• Large heat sink for longer circuit life.
• Superior RFI suppression circuitry.

Rotary Dimmers

Description	Rating	Color	Single-Pole Catalog Numbers	Three-Way Catalog Numbers
Rotary On/Off Dimmer, Incandescent	600W 120V AC	Ivory White	**RD600RI** **RD600RW**	— —
Rotary Push On/Off Dimmer, Incandescent Control knobs included for both Ivory and White.	600W 120V AC	Ivory/White	**RD600PDK**	**RD603PDK**
Replacement Knobs for Rotary/Push Dimmer Two (2) Piece Kit		Ivory/White	**RRKDK**	

RD600RW

RRKDK

Fan Speed Controls

Description	Rating	Color	Single-Pole Catalog Numbers	Three-Way Catalog Numbers
Rotary On/Off Fan Control, 3-Speed Control knobs included for both Ivory and White.	1.5A 120V AC	Ivory/White	**RFSQ2FDK**	—
Replacement Knobs for 3-Speed Fan Control		Ivory White	**R28032406** **R28032401**	

RFSQ2FDK

R28032401

R28032406

homeSELECT™
Occupancy Sensors
Lighting Controls

Auto-on occupancy sensors turn on the load when motion is detected in an area. The device turns lights off when motion ceases.

- Passive infrared sensing technology.
- Photocell equipped.
- Delayed off, adjustment from 30 seconds to 30 minutes.
- Durable thermoplastic construction.
- LED motion detector indicator.
- 6 inch wire lead terminations.

RMS101W

RMS121ILW

Occupancy Sensors

Description	Rating	Color	Standard Catalog Numbers	With Nightlight Catalog Numbers
Occupancy Sensor, Single-Pole Switch for Basic On/Off Control, 150° View	500W 120V AC Incandescent only	Almond Ivory Light Almond White	RMS101AL RMS101I RMS101LA RMS101W	RMS101ILAL RMS101ILI RMS101ILLA RMS101ILW
Occupancy Sensor, Single-Pole Switch with Dimming for Enhanced Control, 150° View	500W 120V AC Incandescent only	Almond Ivory Light Almond White	RMS121AL RMS121I RMS121LA RMS121W	RMS121ILAL RMS121ILI RMS121ILLA RMS121ILW

Horizontal Coverage

Vertical Coverage

RMS141W

Description	Rating	Color	Catalog Numbers
Occupancy Sensor, Heavy Duty, 180° View	800W Inc., 1000W Fluor., 120V AC 1800W Fluor., 277V AC ⅙ HP 120V AC	Almond Ivory White	RMS141AL RMS141I RMS141W

Horizontal Coverage

Vertical Coverage

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

homeSELECT™
Vacancy Sensors
Lighting Controls

California Title 24 Compliant Sensors.
Vacancy sensor switches are specifically designed for California Title 24 compliance. When a person enters an area, the manual switch must be pressed to turn on the light. The device turns lights off when motion ceases.

- Passive infrared sensing technology.
- Patent pending "alert to off" feature dims lights prior to off. If motion is sensed within 30 seconds, the RMS 100 & 120 units return to full brightness.
- Sensor remains on with motion.
- LED motion indicator.
- 6 inch wire lead terminations.

Occupancy Sensors

Description	Rating	Color	Standard Catalog Numbers	With Nightlight Catalog Numbers
Vacancy Sensor, Single-Pole Switch for Basic On/Off Control, 150° View	500W 120V AC Incandescent only	Almond Ivory Light Almond White	**RMS100AL** **RMS100I** **RMS100LA** **RMS100W**	**RMS100ILAL** **RMS100ILI** **RMS100ILLA** **RMS100ILW**
Vacancy Sensor, Single-Pole Switch with Dimming for Enhanced Control, 150° View	500W 120V AC Incandescent only	Almond Ivory Light Almond White	**RMS120AL** **RMS120I** **RMS120LA** **RMS120W**	**RMS120ILAL** **RMS120ILI** **RMS120ILLA** **RMS120ILW**

RMS100W

RMS120ILW

16'
16'
35'

Horizontal Coverage

5°
5°
Mounting Height 36" to 54" (91.44 to 137.16 cm)
35'

Vertical Coverage

Description	Rating	Color	Catalog Numbers
Vacancy Sensor, Heavy Duty, 180° View	800W Inc., 1000W Fluor., 120V AC 1800W Fluor., 277V AC ⅙ HP 120V AC	Almond Ivory White	**RMS140AL** **RMS140I** **RMS140W**

RMS140W

16'
16'
35'

Horizontal Coverage

15°
15°
Mounting Height 36" to 54" (91.44 to 137.16 cm)
35'

Vertical Coverage

homeSELECT™
Floor Boxes For Wood Floors
Power Delivery

homeSELECT™ Wood Floor Boxes allow for the placement of electrical power or a combination of power and voice/data devices. Boxes easily mount into the floor and are height adjustable (up to ¾ inch) for optimal alignment and fit. UL Listed E31999 and CSA Certified.

Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed.

Pre-assembled flange and cover for fast installation.

Top screw fastening and side joist mounting provided.

Back and side knockouts for proper wiring access.

Recessed receptacle minimizes plug protrusion, allowing furniture to be located over the plug.

Low voltage divider optional, provides for power and voice/data in a compact space.

Height accessible adjustments after the box is mounted.

Template cutout provided with instructions for proper installation.

15A 125V
NEMA L5-15R
UL/CSA

Floor Boxes For Wood Floors

Description	Material/Color	Catalog Numbers
Decorator Duplex Receptacle Floor Box Kit Includes steel box, flange and hinged door cover assembly with duplex receptacle. Available in solid brass or durable powder coat painted finish. Designed for installation in wood floors, mounts to sub floor between joists.	Solid Brass	**RF515BR**
	Stainless Finish	**RF515SS**
	Almond	**RF515AL**
	Black	**RF515BK**
	Chestnut Brown	**RF515BN**
Flange and Hinged Door Cover Assembly Includes duplex receptacle, neoprene gaskets, for use with steel box RF500.	Solid Brass	**RF506BR**
	Stainless Finish	**RF506SS**
	Almond	**RF506AL**
	Black	**RF506BK**
	Chestnut Brown	**RF506BN**
Adjustable Floor Box 3 inches Deep Three ½-inch knockouts: One on bottom, one on each side, non-metallic sheathed cable clamps on each side.	Steel	**RF500**
Hinged Door Cover Only Replacement door for RF515 and RF506 series.	Solid Brass	**RF507BR**
	Stainless Finish	**RF507SS**
	Almond	**RF507AL**
	Black	**RF507BK**
	Chestnut Brown	**RF507BN**

RF515BR

RF506BR

RF500

RF507BR

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

homeSELECT™
Floor Boxes For Wood Floors
Power Delivery

Duplex floor receptacles provide ample connections to service lighting, entertainment equipment and computers for family rooms and offices. Single receptacle configurations available for minimum requirements.

- Metal covers feature electrostatic powder coating that resists wear and provides a distinctive finish.
- Recessed GFCI/Decorator opening.
- Cut out template provided to assure proper sub-flooring preparation.

Floor Boxes For Wood Floors

Description	Material	Tamper Resistant Catalog Numbers (15A 125V NEMA L5-15R UL/CSA)	Standard Catalog Numbers (15A 125V NEMA L5-15R UL/CSA)	Tamper Resistant Catalog Numbers (20A 125V NEMA L5-20R UL/CSA)	Standard Catalog Numbers (20A 125V NEMA L5-20R UL/CSA)
Drop In Floor Box Mounts in 2½ inch hole opening. Includes solid brass cover, single tamper-resistant receptacle, optional device mounts for two (2) voice/data video ports. Suitable for feed through circuitry. Impact resistant box.	Solid Brass	—	RF151R	—	RF201R
Single Receptacle Floor Box Rated Includes steel box, single receptacle and cover.	Brass	RF151TR	RF151	—	—
Single Receptacle Display Rated Receptacle and cover only, excludes box.	Brass	—	RF151D	—	—
JLOAD™ Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD™ Multimedia Box RF500. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage divider.	Almond Black Gray Ivory Light Almond White	RJ650ALTR RJ650BKTR RJ650GYTR RJ650ITR RJ650LATR RJ650WTR	RJ650AL RJ650BK RJ650GY RJ650I RJ650LA RJ650W	RJ620ALTR RJ620BKTR RJ620GYTR RJ620ITR RJ620LATR RJ620WTR	RJ620AL RJ620BK RJ620GY RJ620I RJ620LA RJ620W
JLOAD™ Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage divider.	Almond Black Gray Ivory Light Almond White	RJ65ALTR RJ65BKTR RJ65GYTR RJ65ITR RJ65LATR RJ65WTR	RJ65AL RJ65BK RJ65GY RJ65I RJ65LA RJ65W	RJ62ALTR RJ62BKTR RJ62GYTR RJ62ITR RJ62LATR RJ62WTR	RJ62AL RJ62BK RJ62GY RJ62I RJ62LA RJ62W

RF151R

RF151

RF151D

RJ650BK

RJ65BK

*Note: *Refer to Technical section X, page X-8 for TR description.*

homeSELECT™
Floor Boxes For Concrete Floors
Power Delivery

homeSELECT™ Round Non-Metallic Floor Box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed specifically for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system. UL Listed E92074.

Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed.

Pre-assembled flange, cover and leveling ring for quick installation.

Recessed receptacle minimizes plug protrusion, allowing furniture to be located over the plug.

Cut box after pour for height adjustment.

Apply PVC glue to the leveling ring and simply push into place, hold and wait 10 seconds, automatically levels the cover to the floor.

Parallel PVC hubs for 1.0 inch and ¾ inch conduit.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

homeSELECT™
Floor Boxes For Concrete Floors
Power Delivery

After the box has been secured in concrete, cut for height, apply PVC glue and push the cover assembly into the box. No fasteners or adjustment screws required.

- 4 inch minimum concrete pour.
- Recessed GFCI/Decorator opening.
- Self height and leveling ring, no adjustments.
- UL Listed E92074 Floor Box.

Floor Boxes For Concrete Floors

Description	Rating	Material/Color	Catalog Numbers
Flange and Hinged Door Cover Assembly Includes duplex receptacle, gasket, floor leveling PVC ring, high impact and chemically resistant nylon. Factory pre-assembled for easy drop-in installation.	15A 125V NEMA 5-15R	Solid Brass Almond Black	**RF406BR** **RF406AL** **RF406BK**
PVC Floor Box with Concrete Protective Cover Accepts ¾ in. and 1.0 in. schedule 40 and schedule 80 PVC conduit. Includes round box (4⅞ in. diameter x 6.0 in. deep), four reducers, closure plugs, and concrete cover with locator flag.		Gray	**RF400**
Hinged Nylon Replacement Door Cover Includes neoprene gasket to seal plug openings. Replacement cover for RF406 series.		Solid Brass Almond Black	**RF407BR** **RF407AL** **RF407BK**
Low Voltage Divider For use in PVC box RF400, when JLOAD™ Multimedia Outlet is used.		Gray	**RF408**

RF406BK

RF400

RF407BK

RF408

JLOAD™ Multimedia Outlet

15A 125V NEMA L5-15R UL/CSA

20A 125V NEMA L5-20R UL/CSA

Description	Material	Tamper Resistant Catalog Numbers	Standard Catalog Numbers	Tamper Resistant Catalog Numbers	Standard Catalog Numbers
JLOAD™ Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires Low Voltage Divider RF408 when used in PVC Box RF400. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage divider.	Almond Black Gray Ivory Light Almond White	**RJ650ALTR** **RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ650AL** **RJ650BK** **RJ650GY** **RJ650I** **RJ650LA** **RJ650W**	**RJ620ALTR** **RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**	**RJ620AL** **RJ620BK** **RJ620GY** **RJ620I** **RJ620LA** **RJ620W**
JLOAD™ Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage divider.	Almond Black Gray Ivory Light Almond White	**RJ65ALTR** **RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ65AL** **RJ65BK** **RJ65GY** **RJ65I** **RJ65LA** **RJ65W**	**RJ62ALTR** **RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**	**RJ62AL** **RJ62BK** **RJ62GY** **RJ62I** **RJ62LA** **RJ62W**

*Note: *Refer to Technical section X, page X-8 for TR description.*

RJ650BK

RJ65BK

homeSELECT™
Under Cabinet/Counter Power Distribution
Power Delivery

Make The Most Of A Perfect Location.
Install receptacles and voice/data devices exactly where they are needed.

UNDER CABINET POWER DISTRIBUTION HAS NEVER BEEN SO CONVENIENT
homeSELECT™ Slim Fit and GFCI Fit Surface Boxes enable receptacles and voice/data products to be surface mounted exactly where they are needed. Similar to under cabinet lighting products, these surface boxes provide a precise fit—horizontally or vertically.

UNDER COUNTER POWER DISTRIBUTION
Use the new JLOAD™ Multimedia Outlet, specifically designed to provide power, Category 5e and coaxial. Perfect for under cabinet TV, DVD and security systems. Enables multiple service in a small area.

KEEP KITCHENS BEAUTIFUL
Don't compromise the decorative look of a granite backsplash or designer tiling. Instead of placing receptacles in the wall, hide them beneath cabinets and counters.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

homeSELECT™
Under Cabinet/Counter Power Distribution
Power Delivery

homeSELECT™ Under Cabinet/Counter Boxes provide a convenient, out-of-sight way to distribute power and voice/data. These boxes comply with the NEC® for kitchen receptacles, with placement not more than 20 inches above the counter surface. They can also be placed under counter islands, not lower than 15 inches from the surface.

- Available with nylon or metal cover.
- Custom configurable, accepts any decorator style device.
- Mounting hardware included.
- UL Listed E31999 and CSA Certified under cabinet boxes.

Under Cabinet/Counter Power Distribution

Description	Material/Color	Catalog Numbers
Slim Fit Box Offers the slimmest, sleekest, most stylish option for low profile, out-of-sight mounting. Devices sold separately.	Stainless Steel White Metal White Nylon	**RU100SS** **RU100W** **RU170W***

3.40" (86.4) 5.57" (141.5) 1.55" (39.4)

RU100W

Description	Material/Color	Catalog Numbers
GFCI Fit Box Designed specifically for GFCI or JLOAD™ accommodation where internal wiring space is needed. Devices sold separately.	Stainless Steel White Metal White Nylon	**RU200SS** **RU200W** **RU270W***

3.40" (86.4) 5.57" (141.5) 1.95" (49.5)

RU200SS

*Note: * Steel box with nylon cover.*

Vertical Mount

Optional

Horizontal Mount

Optional

homeSELECT™
JLOAD™ Multimedia Outlet
Power Delivery

Make The Most Of A Perfect Location.
Install receptacles and voice/data devices exactly where they are needed, in the smallest space possible.

Provides for data, telephone and coaxial.

Accepts any snap fit jack configuration (see pages V-51 and V-52).

Isolates low voltage and power in the same box.

Custom mounting.

Available in 15 or 20 amp.

Requires unique box shown below.

1.50" (38.0)

4.13" (104.9)

3.65" (92.6)

1.29" (32.8)

2.61" (66.4)

HUBBELL

15A 125V

RJ620W

RJ62W

RJ600

15A 125V
NEMA L5-15R
UL/CSA

20A 125V
NEMA L5-20R
UL/CSA

		15A 125V NEMA L5-15R		20A 125V NEMA L5-20R	
Description	**Color**	**Tamper Resistant Catalog Numbers**	**Standard Catalog Numbers**	**Tamper Resistant Catalog Numbers**	**Standard Catalog Numbers**
JLOAD™ Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD™ Multimedia Box RJ600. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage divider.	Almond Black Gray Ivory Light Almond White	**RJ650ALTR** **RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ650AL** **RJ650BK** **RJ650GY** **RJ650I** **RJ650LA** **RJ650W**	**RJ620ALTR** **RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**	**RJ620AL** **RJ620BK** **RJ620GY** **RJ620I** **RJ620LA** **RJ620W**
JLOAD™ Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage divider.	Almond Black Gray Ivory Light Almond White	**RJ65ALTR** **RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ65AL** **RJ65BK** **RJ65GY** **RJ65I** **RJ65LA** **RJ65W**	**RJ62ALTR** **RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**	**RJ62AL** **RJ62BK** **RJ62GY** **RJ62I** **RJ62LA** **RJ62W**
JLOAD™ Multimedia Box 3.0 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	**RJ600**	**RJ600**	**RJ600**	**RJ600**

*Note: *Refer to Technical section X, page X-8 for TR description.*

homeSELECT™

Incandescent Lampholders

Lampholders and Accessories

Lampholders provide for lighting in unfinished areas such as attics and basements. Porcelain is excellent for high heat environments, while plastic is light weight and virtually unbreakable.

• 4 screw termination allows for quick feed through.
• 6 inch pigtail accommodates twist-on wire connectors.
• UL Listed and cUL.

Porcelain Lampholders

Description	Rating	Color	Catalog Numbers
Porcelain Lampholder, Keyless, 4 Terminal Screws	660W 250V	White	**RL8804**
Porcelain Lampholder, Keyless, 6" Pigtails	660W 250V	White	**RL8806**
Porcelain Lampholder, Pull Chain, 2 Terminal Screws	660W 250V	White	**RL8812**
Porcelain Lampholder, Pull Chain, 6" Pigtails	660W 250V	White	**RL8816**
Porcelain Lampholder, Pull Chain with Receptacle, 2 Terminal Screws	660W 250V 15A 125V NEMA 5-15R	White	**RL8822**

RL8804

RL8812

RL8822

Plastic Lampholders

Description	Rating	Color	Catalog Numbers
Plastic Lampholder, Keyless, 4 Terminal Screws	660W 600V	White	**RL8504**
Plastic Lampholder, Keyless, 6" Pigtails	660W 600V	White	**RL8506**
Plastic Lampholder, Pull Chain, 2 Terminal Screws	660W 250V	White	**RL8512**
Plastic Lampholder, Pull Chain, 6" Pigtails	660W 250V	White	**RL8516**

RL8504

RL8516

homeSELECT™
Fluorescent Lampholders
Lampholders and Accessories

Fluorescent lampholders are factory replacements
to repair existing lighting fixtures.

- Thermoplastic construction available for
  HO (High Output), slimline, or bi-pin types.
- UL Listed and c**ℛ**us.

Fluorescent Lampholders

Description	Rating	Color	Plunger Catalog Numbers	Fixed Catalog Numbers
Fluorescent Lampholder, Pedestal Type for High Output Lamp, Slide-On Base, Push Wire Terminations	660W 600V	White	**RL305**	**RL306**
Fluorescent Lampholder, Pedestal Type for Slimline Single Pin Lamp, Slide-On Base, Push Wire Terminations	660W 600V	White	**RL310**	**RL311**
Fluorescent Lampholder, Medium Bi-Pin, Tall Profile, Slide-On 4-Wire with Captive Nut, Push Wire Terminations	660W 600V	White	—	**RL320**
Fluorescent Lampholder, Medium Bi-Pin, Low Profile, Push Wire Terminations, Slide-On 4-Wire with Captive Nut,	660W 600V	White	—	**RL325**
Slide-On 4-Wire,	660W 600V	White	—	**RL325A**
Slide-On 2-Wire	660W 600V	White	—	**RL325B**

RL305   **RL306**

RL310   **RL311**

RL320

RL325

homeSELECT™
Lampholders Accessories
Lampholders and Accessories

Standard screw shell lampholders are factory
replacements to repair existing lighting fixtures.

• UL Listed and cUL.

Lampholder Accessories

Description	Rating	Color	Catalog Numbers
Incandescent Lampholder, Medium Base, Turn Knob, On/Off	250W 250V	Brass	**RL101**
Medium Base, Turn Knob, Three-Way, Low, Medium and High		Brass	**RL102**
Incandescent Lampholder, Medium Base, Push Through, On/Off	660W 250V	Brass	**RL105**
Incandescent Lampholder, Medium Base, Keyless	660W 250V	Brass	**RL100**
Incandescent Lampholder, Medium Base, Pull Chain, On/Off	660W 250V	Brass	**RL106**
HID Lampholder, Prefocus type Medium Base Bayonet, Porcelain Surface or clamp mounting	1200W 250V	White	**RL3742**
Porcelain Socket Extension, Medium to Medium	600W 250V	White	**RL150**
Pony Cleat, Medium Base, Porcelain	660W 250V	White	**RL152**
Medium Base, Plastic		Black	**RL153**

RL101

RL105

RL100

RL106

RL3742

RL150

RL152

homeSELECT™
Lampholders Accessories
Lampholder and Accessories

• UL Listed and cUL.

Lampholder Accessories

Description	Rating	Color	Catalog Numbers
Pigtail Medium Base Socket with 6 inch Leads, Rubber with #14 Gauge Wire Approved for use at construction sites when used with bulb cages. Acceptable for open wiring without an outlet box when using suitable splices.	660W 250V	Black	**RL124**
Phenolic Medium Base Socket with Hook, Insulation Piercing Termination	660W 250V	Black	**RL124H**
Outlet Adapter, 2 Prong Plug to Medium Lampholder	15A 125V NEMA 1-15P	Ivory	**RL200**
Medium Lampholder Adapter, Medium Lampholder to Outlet, without Ground	15A 125V NEMA 1-15R	Ivory	**RL201**
Medium Lampholder to Lampholder Adapter, Pull Chain with Two 2-Prong Outlets, without Ground	660W 250V 15A 125V NEMA 1-15R	Black	**RL202**

RL124

RL124H

RL200

RL201

RL202

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

homeSELECT™
Plugs, Taps and Adapters
Lampholders and Accessories

Taps provide a convenient and safe way to accommodate additional power connections.

- Molded of high impact-resistant plastic for long-term durability.
- Available from single to six outlets.
- UL Listed and cUL.

Plugs, Taps and Adapters

Description	Rating	Color	Catalog Numbers
Duplex Receptacle to Six Outlets, with Ground	15A 125V AC NEMA 5-15	Ivory White	**RT600I** **RT600W**
Single Receptacle to Three Outlets, with Ground	15A 125V AC NEMA 5-15	Ivory White	**RT300I** **RT300W**
Single Receptacle to Three Outlets, Heavy Duty Rubber, with Ground	15A 125V AC NEMA 5-15	Orange	**RT303**
Two Wire to U-Ground	15A 125V AC NEMA 1-15P to NEMA 5-15R	Ivory	**RT200***
Cube Tap, without Ground	15A 125V AC NEMA 1-15	White	**RT100W**

RT600W

RT300W

RT303

RT200

RT100W

*Note: *UL Listed only.*

Plugs, Taps and Adapters

homeSELECT™
Plugs, Taps and Adapters
Lampholders and Accessories

Polarized and non-polarized plugs and connectors for lamps and appliances.

- Plug replacement and repair.
- Made of high impact-resistant thermoplastic for safety and long-term durability.
- UL 1706 and CSA Certified.

Plugs, Taps and Adapters

	Description	Rating	Color	Catalog Numbers
RP123I	Straight Plug, Non-Polarized, Two Blade, SPT 1 and 2 Cord 18/2 & 16/2 AWG	15A 125V NEMA 1-15P	Ivory White	**RP123I** **RP123W**
RP123PI	Straight Plug, Polarized, Two Blade, SPT 1 and 2 Cord 18/2 & 16/2 AWG	15A 125V NEMA 1-15P	Ivory White	**RP123PI** **RP123PW**
RP101BK	Straight Plug, Polarized, Two Blade, Light Duty, Wire Range: #16,18 AWG, Up to .250 inch Diameter Cord	15A 125V NEMA 1-15P	Black White	**RP101BK** **RP101W**
RP102BK	Straight Connector, Polarized, Two Blade, Light Duty, Wire Range: #16,18 AWG, Up to .250 inch Diameter Cord	15A 125V NEMA 1-15R	Black White	**RP102BK** **RP102W**
RP646	Straight Plug, Non-Polarized, Two Blade, Heavy Duty, Wire Range: #14-18 AWG, Up to .330 inch Diameter Cord	15A 125V NEMA 1-15P	Black	**RP646**
RP648	Straight Plug, Polarized, Two Blade, Heavy Duty, Wire Range: #14-18 AWG, Up to .330 inch Diameter Cord	15A 125V NEMA 1-15P	Black	**RP648**
RP649	Straight Connector, Polarized, Two Blade, Heavy Duty, Wire Range: #14-18 AWG, Up to .330 inch Diameter Cord	15A 125V NEMA 1-15R	Black	**RP649**

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Section V
netSELECT™ - Structured Wiring

Decorator Products

Molded-In Voice/Data/Video

Structured Wiring

Universal Consolidation Blocks, Patch Panels and Patch Cords

Data Communications and Audio Video

netSELECT™
Voice/Data Jacks
Data Communications and Audio Video

Voice/Data Jacks

Aesthetics with performance.

Recessed gold plated F-connectors for enhanced look.

Voice/Data jacks and AV products allow for custom configuration.

Molded-in icons attractively identify jacks for computer or voice use.

Color Selection

Jack Color Options (Suffix)

AL=Almond	BK=Black	B=Blue	GY=Gray	EI=Ivory	LA=Light Almond	OR=Orange	W=White

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

netSELECT™
Voice/Data Jacks
Data Communications and Audio Video

netSELECT™ Voice/Data Jacks provide for a wide range of applications ranging from high performance data demands of Cat. 6 and Cat. 5e, to simple voice grade USOC jacks.

- Easy to terminate angled wiring towers.
- Meets FCC part 68.
- Meets and exceeds ANSI/TIA - Category 6 and Category 5e standards.
- UL Listed and CSA Certified.

Customize the jack selections and look.

Modular Snap Fit Jacks

Description	Color	Catalog Numbers	Bag of 25 Catalog Numbers
Category 6 Jacks	Almond	NSJ6AL	NSJ6AL25
	Black	NSJ6BK	NSJ6BK25
	Blue	NSJ6B	NSJ6B25
	Gray	NSJ6GY	NSJ6GY25
	Green	NSJ6GN	NSJ6GN25
	Ivory	NSJ6I	NSJ6I25
	Light Almond	NSJ6LA	NSJ6LA25
	Orange	NSJ6OR	NSJ6OR25
	Red	NSJ6R	NSJ6R25
	White	NSJ6W	NSJ6W25
	Yellow	NSJ6Y	NSJ6Y25
Category 5e Jacks	Almond	NSJ5EAL	NSJ5EAL25
	Black	NSJ5EBK	NSJ5EBK25
	Blue	NSJ5EB	NSJ5EB25
	Gray	NSJ5EGY	NSJ5EGY25
	Green	NSJ5EGN	NSJ5EGN25
	Ivory	NSJ5EI	NSJ5EI25
	Light Almond	NSJ5ELA	NSJ5ELA25
	Orange	NSJ5EOR	NSJ5EOR25
	Red	NSJ5ER	NSJ5ER25
	White	NSJ5EW	NSJ5EW25
	Yellow	NSJ5EY	NSJ5EY25
Category USOC Jacks	Almond	NSJUAL	—
	Black	NSJUBK	—
	Blue	NSJUB	—
	Gray	NSJUGY	—
	Green	NSJUGN	—
	Ivory	NSJUI	—
	Light Almond	NSJULA	—
	Orange	NSJUOR	—
	Red	NSJUR	—
	White	NSJUW	—
	Yellow	NSJUY	—

NSJ6W

NSJ5EW

NSJUW

Note: For a complete list of A/V and fiber snap fits see section P.

netSELECT™
Audio/Video Connectors
Data Communications and Audio Video

Audio/Video Connectors

SFFGEI   SFGRFEI

NSF70I

SFRCRFFEI   SFRCRREI

SFRCWFFEI   SFRCWREI

SFRCYFFEI   SFRCYREI

SFRCBFFEI   SFRCBREI

SFRCGFFEI   SFRCGREI

SFSBEI10

Description	Color	Standard Bulkhead Catalog Numbers	Recessed Catalog Numbers
Gold F-Type Coupler Bulkhead, Female to Female	Almond	SFFGAL	SFGRFAL
	Black	SFFGBK	SFGRFBK
	Gray	SFFGGY	SFGRFGY
	Ivory	SFFGEI	SFGRFEI
	Light Almond	SFFGLA	SFGRFLA
	White	SFFGW	SFGRFW
Nickel F-Type Coupler Bulkhead, Female to Female	Almond	NSF70AL	—
	Black	NSF70BK	—
	Gray	NSF70GY	—
	Ivory	NSF70I	—
	Light Almond	NSF70LA	—
	White	NSF70W	—
Nickel 90° F-Type Coupler, Male to Female Bag of 25		NSC9025	—
RCA Gold Pass Through, Female to Female, Red Interior	Almond	SFRCRFFAL	SFRCRRAL
	Black	SFRCRFFBK	SFRCRRBK
	Gray	SFRCRFFGY	SFRCRRGY
	Ivory	SFRCRFFEI	SFRCRREI
	Light Almond	SFRCRFFLA	SFRCRRLA
	White	SFRCRFFW	SFRCRRW
RCA Gold Pass Through, Female to Female, White Interior	Almond	SFRCWFFAL	SFRCWRAL
	Black	SFRCWFFBK	SFRCWRBK
	Gray	SFRCWFFGY	SFRCWRGY
	Ivory	SFRCWFFEI	SFRCWREI
	Light Almond	SFRCWFFLA	SFRCWRLA
	White	SFRCWFFW	SFRCWRW
RCA Gold Pass Through, Female to Female, Yellow Interior	Almond	SFRCYFFAL	SFRCYRAL
	Black	SFRCYFFBK	SFRCYRBK
	Gray	SFRCYFFGY	SFRCYRGY
	Ivory	SFRCYFFEI	SFRCYREI
	Light Almond	SFRCYFFLA	SFRCYRLA
	White	SFRCYFFW	SFRCYRW
RCA Gold Pass Through, Female to Female, Blue Interior	Almond	SFRCBFFAL	SFRCBRAL
	Black	SFRCBFFBK	SFRCBRBK
	Gray	SFRCBFFGY	SFRCBRGY
	Ivory	SFRCBFFEI	SFRCBREI
	Light Almond	SFRCBFFLA	SFRCBRLA
	White	SFRCBFFW	SFRCBRW
RCA Gold Pass Through, Female to Female, Green Interior	Almond	SFRCGNFFAL	SFRCGNRAL
	Black	SFRCGNFFBK	SFRCGNRBK
	Gray	SFRCGNFFGY	SFRCGNRGY
	Ivory	SFRCGNFFEI	SFRCGNREI
	Light Almond	SFRCGNFFLA	SFRCGNRLA
	White	SFRCGNFFW	SFRCGNRW
Blank Insert (Order 1 to receive a bag of 10 blanks)	Almond	SFSBAL10	—
	Black	SFSBBK10	—
	Gray	SFSBGY10	—
	Ivory	SFSBEI10	—
	Light Almond	SFSBLA10	—
	White	SFSBW10	—

Note: For a complete list of A/V and fiber snap fits see section P.

HUBBELL

Wiring Device-Kellems   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

netSELECT™
Multimedia Face Plates
Data Communications and Audio Video

netSELECT™ Multimedia Face Plates offer a perfect match to electrical wallplates for a consistent smooth finish look.

- Accepts AV and Voice/Data connectors.
- High impact-resistant thermoplastic plate.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

Multimedia Face Plates

Description	Color	Standard Catalog Numbers	Mid-Size Catalog Numbers
1-Gang, 1-Port Plate	Almond	NSP11AL	NSP101AL
	Black	NSP11BK	NSP101BK
	Gray	NSP11GY	NSP101GY
	Ivory	NSP11I	NSP101I
	Light Almond	NSP11LA	NSP101LA
	White	NSP11W	NSP101W
1-Gang, 2-Port Plate	Almond	NSP12AL	NSP102AL
	Black	NSP12BK	NSP102BK
	Gray	NSP12GY	NSP102GY
	Ivory	NSP12I	NSP102I
	Light Almond	NSP12LA	NSP102LA
	White	NSP12W	NSP102W
1-Gang, 3-Port Plate	Almond	NSP13AL	NSP103AL
	Black	NSP13BK	NSP103BK
	Gray	NSP13GY	NSP103GY
	Ivory	NSP13I	NSP103I
	Light Almond	NSP13LA	NSP103LA
	White	NSP13W	NSP103W
1-Gang, 4-Port Plate	Almond	NSP14AL	NSP104AL
	Black	NSP14BK	NSP104BK
	Gray	NSP14GY	NSP104GY
	Ivory	NSP14I	NSP104I
	Light Almond	NSP14LA	NSP104LA
	White	NSP14W	NSP104W
1-Gang, 6-Port Plate	Almond	NSP16AL	NSP106AL
	Black	NSP16BK	NSP106BK
	Gray	NSP16GY	NSP106GY
	Ivory	NSP16I	NSP106I
	Light Almond	NSP16LA	NSP106LA
	White	NSP16W	NSP106W
2-Gang, 4-Port Plate	Almond	NSP24AL	—
	Black	NSP24BK	—
	Gray	NSP24GY	—
	Ivory	NSP24I	—
	Light Almond	NSP24LA	—
	White	NSP24W	
2-Gang, 6-Port Plate	Almond	NSP26AL	—
	Black	NSP26BK	—
	Gray	NSP26GY	—
	Ivory	NSP26I	—
	Light Almond	NSP26LA	—
	White	NSP26W	

NSP11I

NSP12I

NSP13I

NSP14I

NSP16I

NSP24I

NSP26I

netSELECT™
Decorator Frames
Data Communications and Audio Video

netSELECT™ Decorator Frames provide a stylized look for that finishing touch. Multimedia jacks insert into frame for custom configuration.

- Elongated strap for better wall box mounting.
- High impact-resistant thermoplastic frame.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

NS612I

NS613I

NS614I

NS616I

NS621I

NS620I

RJ650BK

RJ600

Decorator Frames

Description	Color	Catalog Numbers
1-Gang, 2-Port, Decorator Frame	Almond	NS612AL
	Black	NS612BK
	Gray	NS612GY
	Ivory	NS612I
	Light Almond	NS612LA
	White	NS612W
1-Gang, 3-Port, Decorator Frame	Almond	NS613AL
	Black	NS613BK
	Gray	NS613GY
	Ivory	NS613I
	Light Almond	NS613LA
	White	NS613W
1-Gang, 4-Port, Decorator Frame	Almond	NS614AL
	Black	NS614BK
	Gray	NS614GY
	Ivory	NS614I
	Light Almond	NS614LA
	White	NS614W
1-Gang, 6-Port, Decorator Frame	Almond	NS616AL
	Black	NS616BK
	Gray	NS616GY
	Ivory	NS616I
	Light Almond	NS616LA
	White	NS616W
1-Gang, Adapter .406 inch (10.30) Dia. Hole, Decorator Frame For use with rotary dimmers or to pull through AV or telephone cable.	Almond	NS621AL
	Ivory	NS621I
	Light Almond	NS621LA
	White	NS621W
1-Gang, Adapter Blank, Decorator Frame To fill an extra decorator opening or to create customized openings.	Almond	NS620AL
	Ivory	NS620I
	Light Almond	NS620LA
	White	NS620W

JLOAD™ Multimedia Outlet

TR* 15A 125V NEMA L5-15R UL/CSA

TR* 20A 125V NEMA L5-20R UL/CSA

Description	Color	Tamper Resistant Catalog Numbers	Standard Catalog Numbers	Tamper Resistant Catalog Numbers	Standard Catalog Numbers
JLOAD™ Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage divider.	Almond	RJ65ALTR	RJ65AL	RJ62ALTR	RJ62AL
	Black	RJ65BKTR	RJ65BK	RJ62BKTR	RJ62BK
	Gray	RJ65GYTR	RJ65GY	RJ62GYTR	RJ62GY
	Ivory	RJ65ITR	RJ65I	RJ62ITR	RJ62I
	Light Almond	RJ65LATR	RJ65LA	RJ62LATR	RJ62LA
	White	RJ65WTR	RJ65W	RJ62WTR	RJ62W
JLOAD™ Multimedia Box 3.0 inch deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	RJ600	RJ600	RJ600	RJ600

Notes: See pages V-36 to V-42 for floor and under cabinet box options.
Refer to Technical section X, page X-8 for TR description.

netSELECT™
HDMI Products
Data Communications and Audio Video

netSELECT™ HDMI Decorator Frames deliver uncompromising digital audio and video wherever you need it. Unleash the full potential of your high definition display and audio installations.

• Third party tested for 1080p resolutions.
• UL Listed - Communications Circuit Accessory and CSA Certified.

Thumbscrew prevents accidental disconnection only when used with Hubbell's HDMI patch cords.

Connector sized to fit 1.0 inch conduit.

High impact thermoplastic frame.

4.0 inch flexible extension reduces bend radius issues in confined spaces.

HDMI Products

Description	Color	Catalog Numbers
1-Gang, 1-Port HDMI, Decorator Frame, Female to Female	Almond	**NS801AL**
	Black	**NS801BK**
	Gray	**NS801GY**
	Ivory	**NS801I**
	Light Almond	**NS801LA**
	White	**NS801W**
1-Gang, 2-Port HDMI, Decorator Frame, Female to Female	Almond	**NS802AL**
	Black	**NS802BK**
	Gray	**NS802GY**
	Ivory	**NS802I**
	Light Almond	**NS802LA**
	White	**NS802W**

NS801W

NS802W

HDPC06BK

HDMI Cords

HDMI Device Patch Cords		Horizontal Cords (Connector to Connector)		Link Cords (Connector to Device)		Coupler Cords (Coupler to Device)	
HDMI (24 AWG)	**Catalog Numbers**	HDMI (24 AWG)	**Catalog Numbers**	HDMI (24 AWG)	**Catalog Numbers**	HDMI (24 AWG)	**Catalog Numbers**
3 ft.	**HDPC03BK**	XX ft.	**HDHXXBK**	XX ft.	**HDLXXBK**	XX ft.	**HDCXXBK**
6 ft.	**HDPC06BK**						

Note: XX = Length in feet. '10' = 10 ft., '15' = 15 ft., '20' = 20 ft., '25' = 25 ft., '30' = 30 ft., Black and Non-Plenum only.

netSELECT™
Molded-In Voice/Data/Video
Data Communications and Audio Video

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate. Create a look to match your voice/data, switch, and receptacle devices.

• High impact-resistant thermoplastic frame.
• Meets FCC part 68.
• UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

Molded-In Voice/Low-Speed Data

Description	Color	Catalog Numbers
Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations	Almond	**NS770AL**
	Black	**NS770BK**
	Brown	**NS770**
	Gray	**NS770GY**
	Ivory	**NS770I**
	Light Almond	**NS770LA**
	White	**NS770W**

NS770I

Description	Color	Catalog Numbers
Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations	Almond	**NS771AL**
	Brown	**NS771**
	Ivory	**NS771I**
	Light Almond	**NS771LA**
	White	**NS771W**

NS771I

Description	Color	Catalog Numbers
Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor, Screw Terminations	Almond	**NS772AL**
	Ivory	**NS772I**
	Light Almond	**NS772LA**
	White	**NS772W**

NS772I

Description	Color	Catalog Numbers
Decorator Frame, One Cat. 5e 110 Punch-Down, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations	Almond	**NS784AL**
	Black	**NS784BK**
	Brown	**NS784**
	Gray	**NS784GY**
	Ivory	**NS784I**
	Light Almond	**NS784LA**
	White	**NS784W**

NS784I

netSELECT™
Molded-In Voice/Data/Video
Data Communications and Audio Video

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame.
- Jacks meet FCC part 68.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

Molded-In Voice/Low-Speed Data

Description	Color	Catalog Numbers
Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Almond	**NS780AL**
	Ivory	**NS780I**
	Light Almond	**NS780LA**
	White	**NS780W**

NS780I

Description	Color	Catalog Numbers
Decorator Frame, Duplex F-Type Coupler Bulkhead, Female to Female	Almond	**NS782AL**
	Ivory	**NS782I**
	Light Almond	**NS782LA**
	White	**NS782W**

NS782I

Description	Color	Catalog Numbers
Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Almond	**NS783AL**
	Ivory	**NS783I**
	Light Almond	**NS783LA**
	White	**NS783W**

NS783I

Description	Color	Catalog Numbers
Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female	Almond	**NS785AL**
	Black	**NS785BK**
	Brown	**NS785**
	Gray	**NS785GY**
	Ivory	**NS785I**
	Light Almond	**NS785LA**
	White	**NS785W**

NS785I

netSELECT™
Molded-In Plates
Data Communications and Audio Video

Designed for voice, these devices provide an economical alternative to wall phone outlet placement.

- High impact-resistant thermoplastic plate.
- Convenient screw down terminals.
- Meets FCC part 68.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

NS730I

Molded-In Plates

Description	Color	Standard Catalog Numbers	Mid-Size Catalog Numbers
1-Gang Plate, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations	Almond	NS730AL	NS735AL
	Brown	NS730	NS735
	Ivory	NS730I	NS735I
	Light Almond	NS730LA	NS735LA
	White	NS730W	NS735W
1-Gang Plate, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations	Almond	NS732AL	—
	Brown	NS732	—
	Ivory	NS732I	—
	Light Almond	NS732LA	—
	White	NS732W	—
1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 4-Conductor, Screw Terminations	Almond	NS742AL	—
	Ivory	NS742I	NS745I
	Light Almond	NS742LA	—
	White	NS742W	NS745W
1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 6-Conductor, Screw Terminations	Almond	NS744AL	—
	Ivory	NS744I	—
	Light Almond	—	—
	White	NS744W	—

NS732I

NS742I

NS744I

netSELECT™
Molded-In Plates
Data Communications and Audio Video

Designed for voice and CATV/satellite applications, these devices offer an economical alternative to basic performance needs.

- High impact-resistant thermoplastic frame.
- Combination jack and coaxial minimize ganging requirements.
- Meets FCC part 68.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

Molded-In Plates

Description	Color	Standard Catalog Numbers	Mid-Size Catalog Numbers
1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 4-Conductor	Almond	NS747AL	—
	Ivory	NS747I	—
	Light Almond	NS747LA	—
	White	NS747W	—
1-Gang Plate, F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 6-Conductor	Almond	NS748AL	NS755AL
	Ivory	NS748I	NS755I
	Light Almond	NS748LA	NS755LA
	White	NS748W	NS755W
1-Gang Plate, Single F-Type Coupler Bulkhead, Female to Female	Almond	NS750AL	NS751AL
	Ivory	NS750I	NS751I
	Light Almond	NS750LA	NS751LA
	White	NS750W	NS751W
1-Gang Plate, Duplex F-Type Coupler Bulkhead, Female to Female	Almond	NS752AL	—
	Ivory	NS752I	—
	Light Almond	NS752LA	—
	White	NS752W	—
1-Gang Plate, One Cat. 5e 110 Punch-Down One RJ11 Jack, 6-Position, 4-Conductor One F-Type Coupler Bulkhead, Female to Female	Almond	NS790AL	—
	Black	NS790BK	—
	Brown	NS790	—
	Gray	NS790GY	—
	Ivory	NS790I	—
	Light Almond	NS790LA	—
	White	NS790W	—

NS747I

NS748I

NS750I

NS752I

NS790I

netSELECT™
Telephone Wall Jacks
Data Communications and Audio Video

Designed for voice applications, these jacks provide an economical alternative to basic wall mount and performance needs.

- Available in high impact-resistant thermoplastic or stainless steel.
- Meets FCC part 68.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

NS721I

Telephone Wall Jacks

Description	Color	Catalog Numbers
Wall Phone Jack Quick Connect, 6-Position, 4-Conductor, Punch-Down Termination Tool Included	Almond	**NS721AL**
	Ivory	**NS721I**
	Light Almond	**—**
	White	**NS721W**
Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations	Almond	**NS722AL**
	Ivory	**NS722I**
	Light Almond	**—**
	White	**NS722W**
Wall Phone Jack, 6-Position, 6-Conductor, Screw Terminations	Almond	**NS725AL**
	Ivory	**NS725I**
	Light Almond	**NS725LA**
	White	**NS725W**
Wall Phone Jack Quick Connect, 6-Position, 4-Conductor, Punch-Down Termination Tool Included	Stainless Steel	**NS723SS**
Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations	Stainless Steel	**NS726SS**

NS722I

NS725I

NS723SS

NS726SS

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

netSELECT™
Telephone Wall Jacks
Data Communications and Audio Video

Telephone surface mount jacks are available in 4- or 6-conductor configurations for voice. Alternatively, multimedia surface mount boxes can be custom loaded for computer and media use.

- High impact-resistant thermoplastic.
- Mounts using screws or double sided tape (both included).
- Meets FCC part 68.
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified.

Telephone Wall Jacks

Description	Color	Catalog Numbers
Telephone Surface Mount Jack, 6-Position, 4-Conductor, Screw Terminations	Ivory White	NS760I NS760W
Telephone Surface Mount Jack, 6-Position, 6-Conductor, Screw Terminations	Ivory White	NS761I NS761W
Multimedia 1-Port Surface Mount Box, Jack Not Included	Ivory White	ISM1EI* ISM1W*
Multimedia 2-Port Surface Mount Box, Jacks Not Included	Ivory White	ISM2EI* ISM2W*

*Notes: * cULus Listed 1863 - Communication Circuit Accessory.*
Use multimedia jacks and AV connectors, see section P for complete list.

NS760I

NS761I

ISM1EI

ISM2EI

netSELECT™

Advantages and Wiring Layout
Structured Wiring

- Share single analog, cable or DSL internet connection.
- Local file access.
- Shared peripherals.
- Multiple telephone distribution.

- Call handling (PBX).
- Video distribution.
- Play games that allow multi-users.
- Control home automation systems.

Connect Your Home to Internet, Voice And Video Services.

netSELECT™ is an innovative network solution that's perfect for any home or small office. Specifically positioned as the voice/data segment for the homeSELECT™ brand, the netSELECT™ System satisfies the need for a dependable, flexible system that can accommodate all of today's fast-changing voice, data and video requirements. This cost-effective solution incorporates all the quality you'd expect from Hubbell. Built-in flexibility makes it easy to upgrade and keep pace with evolving technologies.

Easy for Installers

An easy-to-hang cabinet featuring surface or recess mounts between 16-inch studs on center, 2 x 4 inch minimum. netSELECT™ Modular Components snap into the box horizontally or vertically, optimizing space. A blank module provides flexibility for installers to use their own choice of manufacturer's active components. Also included: A reversible and lockable hinged door, ample cable entrance locations and a complete offering of jacks, plates and other work station accessories.

Easy for Users

Built in flexibility to upgrade and keep pace with evolving technologies. An easy-to-read label helps you to keep track of the system's infrastructure. The white powder coat finish provides a clean, durable chassis to house all components.

netSELECT™
Advantages and Wiring Layout
Structured Wiring

Today's Communications Entail A Lot More Than Just Talking.
netSELECT™ Keeps You Connected—Internet, Voice, Data and Entertainment

Telephone

Telephone Distribution

Communications

Internet

Audio Controls

CATV

CATV
Distribution

Entertainment
Gaming/Video

Internet/Networking

Provides Internet and Networking
Service to Systems and Computers

HUBBELL

netSELECT™
Network Enclosures
Structured Wiring

- Flush or surface mount enclosure (hardware provided).
- Hinged cover can be mounted to swing from either side.
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance.
- Horizontal and vertical module mounting holes for maximum flexibility.
- Unique 89D bracket mounting holes allow easy mounting of 66 blocks and peripherals.

- Provisions to mount optional duplex power and lock kit available.
- Integral cable management slots and tie-wraps provided to help dress cable runs.
- Additional nylon push pins provided to assist module mounting.
- Material: 20-18 gauge steel.
- Finish: white, powder coat.
- UL and cULus Listed 1863.

Network Enclosures

Description		Catalog Numbers

Pre-configured Network System
Basic home network kit includes:
    One box with hinged cover NSOBOX14,
    One primary 8-port telephone module NSOPTM8,
    One four-way coaxial splitter module NSOVDM4
		NSOBNK14

10.0 Inch Network Enclosure for MDU
and Modular Applications
 	
Dimensions:
    14.38 in. W x 10.0 in. H x 3.96 in. D
Knock-outs:
    Top: four 1½ in. N.P.T. or completely open combo;
    Bottom: four 1½ in. N.P.T. or completely open combo;
    Back: none
	with Hinged Cover
	with Panel Cover
	10"H Box only
	Hinged Door
	Panel Cover
		NSOBX10
		NSOBX10BC
		NSOBX10B
		NSOBX10D
		NSOBX10C

14.0 Inch Network Enclosure
 	
Dimensions:
    14.38 in. W x 14 in. H x 3.96 in. D
Knock-outs:
    Top: two 1 in. Dia. and three 1½ in. N.P.T. combo;
    Bottom: one 1 in. Dia. and one 1½ in. N.P.T. combo;
    Back: two ¾ in. N.P.T.
	with Hinged Cover
	with Panel Cover
	14"H Box only
	Hinged Door
	Panel Cover
	2"D Extension Bracket
	with ventilation and
	WiFi KOs
		NSOBOX14
		NSOBOX14BC
		NSOBOX14B
		NSOBOX14D
		NSOBOX14C
		NSOBOX14X2

28.0 Inch Network Enclosure
 	
Dimensions:
    14.38 in. W x 28 in. H x 3.96 in. D
Knock-outs:
    Top: five 1½ in. N.P.T.;
    Bottom: two power kit knockouts;
    Back: four ¾ in. N.P.T.
	with Hinged Cover
	with Panel Cover
	28"H Box only
	Hinged Door
	Panel Cover
	2"D Extension Bracket
	with ventilation and
	WiFi KOs
		NSOBOX28
		NSOBOX28BC
		NSOBOX28B
		NSOBOX28D
		NSOBOX28C
		NSOBOX28X2

48.0 Inch Network Enclosure
 	
Dimensions:
    14.38 in. W x 48 in. H x 3.96 in. D
Knock-outs:
    Top: five 1½ in. N.P.T.;
    Bottom: two power kit knockouts;
    Back: none
	with Hinged Cover	**NSOBOX48**

NSOBX10

NSOBOX14

NSOBOX28

Note: For custom installs, REKHS is also available. See section P for ordering information.

netSELECT™
Network Modules
Structured Wiring

netSELECT™ Modular Components enable the designer to select performance requirements specifically for the application. Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage.

- Dimensions: 6.47 inch W x 2.95 inch H, except NSOMTM24 6.47 inch W x 6.00 inch H.
- Meets FCC Part 68 standard.
- Finish: black, powder coat.
- Material: 18 gauge steel or high impact plastic.
- UL and cULus Listed 1863.

Network Modules

Description	Catalog Numbers
Combo Module Complete Home Network Combo Module 6-Port Telephone Panel and 6-Port Coaxial Splitter with Optional 6-Port Cat. 5e Panel Provides voice, video, and data distribution in a space efficient package. Perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network. 6-Port Telephone and Video 6-Port Telephone, Video and Category 5e 6-Port Category 5e Data Upgrade Kit	 **NSOTVM6** **NSOTVDM6** **NSODK6**
Primary Telephone Module, 8-Port Supports 8 phone outlets with up to 4 incoming lines for voice, fax or modem applications in a protected PCB module. Pre-mounted push pins snap the module quickly into place. RJ31X interface jack included for security system connection. RJ45 jack interfaces with optional NSOETM8 Telephone Expansion module for additional extensions.	**NSOPTM8**
Expansion Telephone Module, 8-Port Adds an additional 8 phone outlets with up to 4 incoming lines when used with the primary telephone module. Pre-mounted push pins snap the module quickly into place. Includes RJ45 jumper cord to connect with NSOPTM8 Primary Telephone module.	**NSOETM8**
Category 5e Data Module, 8-Port Supports Gigabit Ethernet for up to 8 Category 5e data lines with front 110 Punch-Down terminations in a protected PCB module. Pre-mounted push pins snap the module quickly into place. **Category 6 Data Module, 8-Port** Supports enhanced transmission speeds beyond gigabit ethernet. Future proof for tomorrows applications.	**NSODM8** **NSODM8C6**
Multiport Patchable Telecom Module Terminates lines via modular plug to accommodate flexibility, by changing plug locations. Reconfigure where phone lines go at the panel level. Allows data lines to be converted to voice, with the move of a patch cord. Includes nine RJ45 jumper cords.	**NSOMTM24**
Combination Module 6-Port Telephone and 1-Port Data Provides basic telephone and data delivery in a small package. Allows data lines to be converted to voice, with the move of a patch cord.	**NSO6P1DM**

NSOTVM6

NSOPTM8

NSOETM8

NSODM8

NSOMTM24

NSO6P1DM

netSELECT™
Audio/Video Modules
Structured Wiring

netSELECT™ Video Modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas. Pre-mounted push pins snap the module quickly into place.

• Dimensions 4- and 6-way: 6.47 in. W x 2.95 in. H.
• Dimensions 8-way: 6.47 in. W x 2.09 in. H x 3.20 in. D.
• Finish: black, powder coat.
• UL and cULus Listed 1863.

Audio/Video Modules

Description	Catalog Numbers
4-Way Coaxial Splitter Modules, One Incoming Line, Four Outgoing	
1 Ghz, Basic Unit	**NSOVDM4**
2.3 Ghz, Enhanced Capability	**NSOVDM42G**
6-Way Coaxial Splitter Modules, One Incoming Line, Six Outgoing	
1 Ghz, Basic Unit	**NSOVDM6**
2.3 Ghz, Enhanced Capability	**NSOVDM62G**
8-Way Coaxial Splitter Modules, One Incoming Line, Eight Outgoing	
1 Ghz, Basic Unit	**NSOVDM8**
2.3 Ghz, Enhanced Capability	**NSOVDM82G**
Fixed Video Amplifier Module, 10dB	
120 volt rated.	**NSOVAMP**
240 volt rated.	**NSOVAMP240**
Provides video signal amplification for incoming cable feeds recommended for use when more than four outputs are installed or when signal level is low. Provides 10dB forward path gain and supports current digital cable systems and modems with a passive return. Pre-mounted push pins snap the module quickly into place. Includes RG-59 cable jumper to connect amplifier to passive video splitter.	
8 Room Audio Module, Distributes audio from an amplifier to matching volume controllers. Supports up to eight rooms of audio. Power handling - 200W RMS@20° C. Requires impedance matching volume controls, see page V-67.	**NSOAM8**
Blank Module Plate Allows mounting of active components (i.e. switches, routers) or other devices (66 blocks, audio components) onto a modular platform. Can be custom drilled or used with two self-adhesive VELCRO® strips included to mount components onto module. Pre-mounted push pins snap the module quickly into place.	**NSOBM**

NSOVDM4

NSOVDM6

NSOVDM8

NSOVAMP

NSOAM8

NSOBM

netSELECT™
Accessories
Structured Wiring

netSELECT™ Accessories enhance system capabilities. Volume controls expand home audio applications. Cabinet mounted receptacle kits provide convenience power to the enclosure.

• Audio controls available in slide or rotary.
• Receptacles available in surge and standard kits.

Accessories

Description	Color	Catalog Numbers
Slide Audio Volume Controller, Decorator Styling, Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white slides and frames.	Ivory/White	**NSOSAVC**
Rotary Audio Volume Controller Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white knobs and frames.	Ivory/White	**NSORAVC**
Standard Power Kit, Includes duplex receptacle 15A 125V NEMA 5-15R, electrical steel box and wallplate.		**NSOKP**
Surge Suppression Power Kit, Includes surge receptacle 15A 125V NEMA 5-15R, 240 Joules/15,000A protection per mode, electrical steel box and wallplate.		**NSOKPS**
Chromed Steel Lock Kit, Includes two keys. Eliminates unwanted tampering.		**FLOCK1**
Panel Bracket Adapter, For use with Adapter Panels shown below, and FSP series modules in section P, page 16. Snap mounts into structured cabling enclosures.		**NSOFSB**
F-Connector Adapter Panel, with Six Populated Coaxial Connectors.		**FSPFP6X***
Keystone Adapter Panel, with Six Blank Openings for jacks and snap fits.		**FSPHD6X***

*Note: * For additional mounting options see section P.*

NSOSAVC

NSORAVC

NSOKPS

FLOCK1

NSOFSB

FSPFP6X

FSPHD6X

netSELECT™
Universal Consolidation Blocks, Patch Panels and Patch Cords
Structured Wiring

netSELECT™ Patch Panels are excellent for designing rack systems for telephone, data and AV systems. Consolidation Blocks are ideal for small user count configurations that mount in or on the wall.

- Meets ANSI/TIA - Category 6 and Category 5e standards.
- cULus Listed.

Universal Consolidation Blocks and Patch Panels

Description	Catalog Numbers
Category 5e 12-Port Universal Consolidation Block, 89D Bracket Mount	**NS5E12U**
Category 6 12-Port Universal Consolidation Block, 89D Bracket Mount	**NS612U**
Category 5e Universal Patch Panel 24-port, 1.75 inch H, 1 Rack Unit 48-port, 3.50 inch H, 2 Rack Units	**NS5E24U** **NS5E48U**
Category 6 Universal Patch Panel 24-port, 1.75 inch H, 1 Rack Unit 48-port, 3.50 inch H, 2 Rack Units	**NS624U** **NS648U**

NS5E12U

NS612U

NS5E24U

NS5E48U

NS624U

NS648U

netSELECT™ Patch Cords allow for quick change of voice/data lines with insertion of modular plugs.

- Meets and exceeds ANSI/TIA - Category 6 and Category 5e standards.
- UL and cUL Listed.

Universal Patch Cords, Category 6 and Category 5e

Description	Color	1-Foot	3-Foot	5-Foot	7-Foot	10-Foot	15-Foot	20-Foot	25-Foot
Cat. 5e Patch Cord	Blue	**SC5EB01**	**SC5EB03**	**SC5EB05**	**SC5EB07**	**SC5EB10**	**SC5EB15**	**SC5EB20**	**SC5EB25**
	Gray	**SC5EGY01**	**SC5EGY03**	**SC5EGY05**	**SC5EGY07**	**SC5EGY10**	**SC5EGY15**	**SC5EGY20**	**SC5EGY25**
	Yellow	**SC5EY01**	**SC5EY03**	**SC5EY05**	**SC5EY07**	**SC5EY10**	**SC5EY15**	**SC5EY20**	**SC5EY25**
	Red	**SC5ER01**	**SC5ER03**	**SC5ER05**	**SC5ER07**	**SC5ER10**	**SC5ER15**	**SC5ER20**	**SC5ER25**
Cat. 6 Patch Cord	Blue	**SC6B01**	**SC6B03**	**SC6B05**	**SC6B07**	**SC6B10**	**SC6B15**	**SC6B20**	**SC6B25**
	Gray	**SC6GY01**	**SC6GY03**	**SC6GY05**	**SC6GY07**	**SC6GY10**	**SC6GY15**	**SC6GY20**	**SC6GY25**
	Yellow	**SC6Y01**	**SC6Y03**	**SC6Y05**	**SC6Y07**	**SC6Y10**	**SC6Y15**	**SC6Y20**	**SC6Y25**
	Red	**SC6R01**	**SC6R03**	**SC6R05**	**SC6R07**	**SC6R10**	**SC6R15**	**SC6R20**	**SC6R25**

Index

30 Amp Cable Set

50 Amp Cable Set

100 Amp Cable Sets and Devices

Twist-Lock® Devices

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Marine Products
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50A 125V AC 2 Pole 3 Wire					
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50A 125/250V AC 3 Pole 4 Wire					
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200A 600V AC/250V DC 50-400 Hertz 4 Pole 5 Wire		
Pages 20-21	**NEW** M5200BS1R	**NEW** M5200CS1R

Portable Telephone Cable TV					
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Note: △ To be discontinued when present stocks are exhausted.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Marine Products
Ship-to-Shore Selection Chart - Dockside

YC310250 - 280' (85.3m) Yellow cable only.
WC310280 - 280' (85.3m) White cable only.

HBL61CM08 & HBL61CM08LED   - 50' (15.2m)
HBL61CM05 & HBL61CM05LED   - 35' (10.7m)
HBL61CM03 & HBL61CM03LED   - 25' (7.6m)
HBL61CM08W & HBL61CM08WLED - 50' (15.2m)
HBL61CM03W & HBL61CM03WLED - 25' (7.6m)

HBL60CM31
HBL60CM31W

HBL26CM11

HBL26CM10

HBL74CM25WOA
HBL74CM25WOAW

YC306250 - 250' (76.2m) Yellow cable only.

HBL61CM53 & HBL61CM53LED   - 50' (15.2m)
HBL61CM53W & HBL61CM53WLED - 50' (15.2m)
HBL61CM43 & HBL61CM43LED   - 25' (7.6m)

HBL77CM16
HBL77CM16W

HBL63CM61

HBL63CM70

HBL77CM74WO

YC406250 - 250' (76.2m) Yellow cable only.

HBL61CM52 & HBL61CM52LED   - 50' (15.2m)
HBL61CM42 & HBL61CM42LED   - 25' (7.6m)
HBL61CM52W & HBL61CM52WLED - 50' (15.2m)
HBL61CM42W & HBL61CM42WLED - 25' (7.6m)

HBL77CM16
HBL77CM16W

HBL63CM65

HBL63CM69

HBL77CM74WO

CS1004   - 100' (30.4m) 4-Wire
CS754   - 75' (22.8m) 4-Wire
CS100IT4 - 100' (30.4m) 3-Wire
CS754IT4 - 75' (22.8m) 3-Wire

CW125IT4 - 125' (38.0m) One-ended cable set for winches.
CW100IT4 - 100' (30.4m) One-ended cable set for winches.
CW754   - 75' (22.8m) One-ended cable set for winches.
CS50EXT4 - 50' (15.2m) Extension cord.

M4100P12

M4100C12

M4100R12

CS100IT5 - 100' (30.4m) 4-Wire
CS75IT5   - 75' (22.8m) 4-Wire

CW125IT5 - 125' (38.0m) One-ended cable set for winches.
CW100IT5 - 100' (30.4m) One-ended cable set for winches.
CS50EXT5 - 50' (15.2m) Extension cord.

M5100P9
M5100P7

M5100C9
M5100C7

M5100R9
M5100R7

NEW

NEW

NEW

M5200PS1

M5200CS1

M5200RS1

PH6630   - 250' (76.2m) Yellow cable only.
PH6599   - 50' (15.2m)
PH6598   - 25' (7.6m)
PH6599W   - 50' (15.2m)
PH6598W   - 25' (7.6m)

75 Ohm TV Cable.
TV99   - 50' (15.2m)
TV98   - 25' (7.6m)
TV99W - 50' (15.2m)
TV98W - 25' (7.6m)

PH7440

PH6625

TV97

PH6597TV

PH6597

Marine Products
30 Ampere, 125 Volt Cable Set
Features and Benefits

UL Listed.

Available in 25, 35 and 50 foot lengths.

Jute fillers inside jacket for maximum cable flexibility. Hubbell cable coils neater, lighter, lays flatter.

Molded flexneck adds life to cable set by helping to prevent right-angle cable damage and pullout.

Strain relief bull ring protects against stress and strain on the conductors caused by boat movement, crew traffic and rough handling.

Molded design totally encased in solid PVC material, for superior waterproofing and durability.

Exclusive copper crimp barrel termination provides protection against internal overheating and burnout compared to brass crimps. These copper crimps are the same type used by power companies. The result: tighter connections, better conductivity and longer life.

Locking ring assures proper alignment of connector to inlet for complete contact and waterproofing. Prevents accidental disengagement.

Line-up notches to indicate: Locked - Unlocked.

Arrow indicating lock position.

Arrow with ground symbol allows lining up with ground of receptacle.

New improved styling.

Arrow indicating unlock position.

Note: Cable sets must be fully extended before using.

HUBBELL® **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Marine Products
30 Ampere, 125 Volt Twist-Lock® Devices
2 Pole 3 Wire
Ship-to-Shore Devices

IP56
SUITABILITY   Inlets Only.

30A 125V
NEMA L5-30R
UL/CSA

30A 125V Ship-to-Shore Devices

Description	Catalog Numbers
Stylized UV resistant non-metallic shore power inlet has white Centrex cover which makes unit weatherproof when completely closed. Interior has easy-to-wire terminations and is transparent for quick and easy visual inspection. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.	HBL303NM
Stylized type 316 stainless steel shore power inlet has easy to use push-button latch that makes unit watertight when fully engaged. Interior has easy-to-wire terminations and is transparent for quick and easy visual inspection. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.	HBL303SSBL Δ
Traditional, stainless steel shore power inlet has new easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.	HBL303SS
Traditional stainless steel inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included.	HBLCBISS
Stylized non-metallic inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included.	HBLCBINM
Protective rear cover. Fits all 30A shore power inlets. Secures to back of inlets with 3 screws which are provided.	SR3050**
Replacement interior for HBL303SS and 60CM61 shore power inlets.	HBL303INT
Nickel plated brass adapter plate for mounting chrome plated brass shore power inlets to FS/FD box.	HBL60CM75
Traditional Stainless steel power outlet has gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included.	HBL303SSO

*Notes: ** Not UL/CSA.*
Δ To be discontinued when present stocks are exhausted.

HBL303NM

HBL303SSBL

HBL303SS

HBLCBINM

HBL303SSO

30A 125V Traditional Stainless Steel Inlets

Base and cover are #316 type stainless steel for strength and corrosion resistance.

Self-closing cover assures the interior is shielded from the elements when the inlet is not in use.

Neoprene gasket on underside of cover. For sealing when the cover is closed.

Contact blades are nickel plated brass for corrosion resistance.

New, easy-to-wire interior is transparent for quick, visual inspection of terminations and high-heat resistance.

Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body. When not in use, it mates to the threaded cover.

Mounting holes are 2⅜ in. (60.3) on center.

Contacts are nickel plated brass for corrosion resistance.

New easy-to-wire interior is transparent for quick, visual inspection of terminations.

#SR3050 protective rear enclosure cap attaches to contact carrier with 3 screws.

Marine Products
30 Ampere, 125 Volt AC Cable Sets and Bulk Cable
2 Pole 3 Wire
Ship-to-Shore Devices

Our 30A, 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lie flat.

MARINE
C **UL** US LISTED
(Cable Sets)

IP56
SUITABILITY
(Boatside)

30A 125V
NEMA L5-30R

30A 125V Shore Power Cable Set

Description	Catalog Numbers
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	**HBL61CM08**
Same as HBL61CM08 except 35 ft. (10.7m) in length.	**HBL61CM05**
Same as HBL61CM08 except 25 ft. (7.6m) in length.	**HBL61CM03**
Same as HBL61CM08 except in white.	**HBL61CM08W**
Same as HBL61CM03 except in white.	**HBL61CM03W**
Yellow 250 ft. (76.2m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 250 ft. (76.2m) lengths only.	**YC310250**
White 280 ft. (85.3m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 280 ft. (85.3m) lengths only.	**WC310280**
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL Listed.	**RPL30P**

HBL61CM08

YC310250

HUBBELL®

Wiring Device-Kellems   **www.hubbell-wiring.com**   *Dimensions in Inches (mm)*

Marine Products
30 Ampere, Cable Set with High Intensity LED "Power-On" Indicator
Ship-to-Shore Cable Sets

NEW

- Bright, durable, LED (green) indicates "power-on".
- High intensity LED is visible—even in bright sunlight.
- Totally molded design for superior waterproofing and durability.
- Exclusive copper crimp barrel terminations for tighter connections and longer life.

Bull ring for added strain relief.

Exclusive crimp termination for longer life.

MARINE
c UL US LISTED

IP56
SUITABILITY
(Boatside)

30A 125V
NEMA L5-30R
UL/CSA

30A Shore Power Cable Set with LED "Power-On" Indicator

Description	Catalog Numbers
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	**HBL61CM08LED**
Same as HBL61CM08LED except 35 ft. (10.7m) in length.	**HBL61CM05LED**
Same as HBL61CM08LED except 25 ft. (7.6m) in length.	**HBL61CM03LED**
Same as HBL61CM08LED except in white.	**HBL61CM08WLED**
Same as HBL61CM05LED except in white.	**HBL61CM05WLED**
Same as HBL61CM03LED except in white.	**HBL61CM03WLED**
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL Listed.	**RPL30P**

Bright green LED indicates "Power-On".

Ergonomic styling.

Arrows line-up.

Marine Products
30 Ampere, 125 Volt Twist-Lock® Devices
2 Pole 3 Wire
Ship-to-Shore Devices

30A 125V
NEMA L5-30R
UL/CSA

HBL26CM10

HBL26CM11

HBL60CM31

HBL26CM13

HBL60CM33

HBL60CM32

30A 125V Ship-to-Shore Devices

Description	Catalog Numbers
Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20 SUITABILITY.**	**HBL26CM10**
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL26CM11**
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 plugs. **IP55 SUITABILITY**. Note: Fits Insulgrip devices only.	**HBL60CM31+**
White Seal-Tite cover for weatherproofing HBL26CM11 plugs. **IP55 SUITABILITY**. Note: Fits Insulgrip devices only.	**HBL60CM31W+**
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief.	**HBL26CM13**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56 SUITABILITY**. Note: Fits Insulgrip devices only.	**HBL60CM33+**
White Seal-Tite cover for weatherproofing HBL26CM13 connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56 SUITABILITY**. Note: Fits Insulgrip devices only.	**HBL60CM33W+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used on extension cords or adapters. **IP55 SUITABILITY**. Note: Fits Insulgrip devices only.	**HBL60CM32+**
Yellow polycarbonate spring-loaded lift cover for weather-proofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL74CM24WO****
Same as HBL74CM24WO except gray in color. **IP44 SUITABILITY.**	**HBL7424WO****
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL74CM25WOA****
Same as HBL74CM25WOA except white in color. **IP44 SUITABILITY.**	**HBL74CM25WOAW**
Same as HBL74CM25WOA except gray in color. **IP44 SUITABILITY.**	**HBL7425WOA****
Stainless steel wall plate for old 26CM10.	**SS725**
Stainless steel wall plate for new HBL26CM10.	**SS720**

Notes: ** See page W-43 for photo.
   + Boots are not UL listed.

Rynite® is a registered trademark of E. I. DuPont.

Marine Products
30 Ampere, 125 Volt Twist-Lock® Devices
2 Pole 3 Wire
Ship-to-Shore Devices

Plugs and connectors only.

30A 125V
NEMA L5-30R
UL/CSA

30A 125V Ship-to-Shore Devices

Description	Catalog Numbers
Yellow Valise® plug has one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20** SUITABILITY.	HBL26CM11V
Black Valise plug for use on bass boats with trolling motor. One-piece nylon housing assembles easily with two screws. Built-in cord grip has a range of .59–.93 in. (15.0–23.6). **IP20** SUITABILITY.	HBL26CM11VB
Yellow Seal-Tite® cover for weatherproofing HBL26CM11V plugs. **IP55** SUITABILITY. Note: Fits Valise devices only.	HBL60CM31V+
Yellow Valise connector body has a one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20** SUITABILITY.	HBL26CM13V
Yellow Seal-Tite cover for HBL26CM13V connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. **IP56** SUITABILITY. Note: Fits Valise devices only.	HBL60CM33V+
Yellow Seal-Tite cover for weatherproofing HBL26CM13V connector bodies when used on extension cords or adapters. **IP55** SUITABILITY. Note: Fits Valise devices only.	HBL60CM32V+
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL listed.	RPL30P

Note: + Boots are not UL listed.

HBL26CM11V

HBL26CM11VB

HBL60CM31V

HBL26CM13V

RPL30P

Valise® Plug

Two captive stainless steel assembly screws.

Powerful cord grips resist conductor slip and strain on wiring terminals.

Nickel plated brass contacts for corrosion resistance.

A unique system of special locking lugs interlock the blade holder and sides as the plug is closed. These load bearing lugs provide strength and security and keep the Valise intact.

Terminals provide a superior electrical connection by "bundling" the conductors when the clamps are tightened.

Wiring time is reduced. Large easy to wire clamp type terminals eliminate the need to wrap conductors around a screw.

Exclusive nylon webs are provided to make wiring quick & easy by joining the three sections together during assembly.

Nylon body.

HBL60CM33V

HBL60CM32V

HUBBELL®

Marine Products
50 Ampere, 125 Volt Twist-Lock® Devices
2 Pole 3 Wire
Ship-to-Shore Devices

Inlets and connectors only.

HBL503NM

HBL503RI

HBL503SS

HBL63CM60

HBL77CM15

HBL77CM17

50A 125V Ship-to-Shore Devices

50A 125V

Description	Catalog Numbers
Stylized non-metallic shore power inlet has UV resistant white Centrex cover which makes unit weatherproof when completely closed. Interior has easy to wire terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP56** SUITABILITY.	**HBL503NM**
Stylized type 316 stainless steel shore power inlet has easy to use push-button latch that makes unit watertight when fully engaged. Interior has easy to wire terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP56** SUITABILITY.	**HBL503RI** Δ
Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers, and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included. **IP56** SUITABILITY.	**HBL503SS**
Protective rear cover. Fits all inlets except HBL503SS. Secures to back of inlets with 3 screws which are provided.	**SR3050**
Replacement interior for HBL503SS and 63CM72 shore power inlets.	**CR16277**
Nickel plated brass connector body has heat resistant thermoset interior and combination metal and rubber cord grip provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20** SUITABILITY.	**HBL63CM60**
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56** SUITABILITY.	**HBL77CM15+**
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56** SUITABILITY.	**HBL77CM15W+**
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP55** SUITABILITY.	**HBL77CM17+**

Notes: + Boots are not UL listed.
  ** Not UL/CSA.*
  Δ To be discontinued when present stocks are exhausted.*

50A Traditional Stainless Steel Inlets

Base and cover are #316 type stainless steel for strength and corrosion resistance.

Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use.

Contact blades are nickel plated brass for corrosion resistance.

Neoprene gasket on underside of cover for sealing when the cover is closed.

Pressure screw terminals for secure terminations-clearly marked for easy identification.

Three screws "lock-in" the interior once it is in place.

Rear enclosure is nickel plated for corrosion resistance.

Thermoset contact carrier is arcing and heat resistant.

Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the watertight cover on the connector body. When not in use, it mates to the threaded cover.

Marine Products
50 Ampere, 125 Volt Twist-Lock® Devices
2 Pole 3 Wire
Ship-to-Shore Devices

50A 125V Ship-to-Shore Devices

50A 125V

Description	Catalog Numbers
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #6 AWG type STOW is completely factory pre-wired with molded-on devices. Connector end has threaded metallic sealing ring to make inlet/ connector interface watertight. **IP56 SUITABILITY (BOATSIDE).**	HBL61CM53
Same as HBL61CM53 except with two high intensity LEDs.	HBL61CM53LED •
Same as HBL61CM53 except white.	HBL61CM53W
Same as HBL61CM53W except with two high intensity LEDs.	HBL61CM53WLED •
Same as HBL61CM53 except 25 ft. (7.6m) in length.	HBL61CM43
Same as HBL61CM43 except with two high intensity LEDs.	HBL61CM43LED •
Three conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cords, and adapters will not mark boat's deck. 250 ft. (75.2m) lengths only.	YC306250
Nickel plated brass plug has heat resistant thermoset interior and combination metal and rubber cord grip, provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	HBL63CM61
Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	HBL77CM16+
White Seal-Tite cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	HBL77CM16W+
Single receptacle has a heat-resistant thermoset base. **IP20 SUITABILITY.**	HBL63CM70
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	HBL77CM74WO
Same as HBL77CM74WO except gray in color. **IP44 SUITABILITY.**	HBL7774WO
Stainless steel wall plate for 50A receptacle.	SS750

Notes: + Boots are not UL listed.
• Features and benefits on page W-14.

HBL61CM53
HBL61CM53W
HBL61CM43

HBL63CM61

HBL77CM16

HBL63CM70

HBL77CM74WO

50A Molded Cable Sets

Thermoset contact carrier is arcing and heat resistant.

Sealing lip to protect plug/receptacle connection from moisture.

Nickel plated brass contact blades for corrosion resistance.

Copper crimp barrels for reliable terminations.

Thermoset contact carrier is arcing and heat resistant.

Bull ring for strain relief on the terminals.

Molded-in flex feature controls the angle of cord entry and keeps out water.

Bull ring for strain relief on the terminals.

Nickel plated contacts for corrosion resistance.

Metallic threaded sealing ring to provide a watertight seal when mated with the shore power inlet.

Molded-in flex feature controls the angle of cord entry and keeps out water.

Copper crimp barrels for reliable terminations.

Nickel plated brass shell for positive alignment of keying and corrosion resistance.

Nickel plated brass shell for positive alignment of keying and corrosion resistance.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

SS750

Marine Products
50 Ampere, 125/250 Volt Twist-Lock® Devices
3 Pole 4 Wire
Ship-to-Shore Devices

Inlets and connectors only.

**50A
125/250V**
UL/CSA

50A 125/250V Ship-to-Shore Devices

Description	Catalog Numbers
Stylized non-metallic shore power inlet has UV resistant white Centrex cover which makes unit weatherproof when completely closed. Interior is heat resistant thermoset material and has box lug terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP56 SUITABILITY.**	**HBL504NM**
Stylized type 316 stainless steel shore power inlet has easy to use push-button latch that makes unit watertight when fully engaged. Interior is heat resistant thermoset material and has box lug terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP56 SUITABILITY.**	**HBL504RI** Δ
Traditional stainless shore power inlet has gasketed, self-closing cover so that the interior is shielded from the elements when not in use. It is watertight when the cover is securely fastened. The mounting holes are 2.38 in. (60.3) on centers, and the rear portion has a 2.17 in. (55.1) diameter. Mounting screws and gasket are included. **IP56 SUITABILITY.**	**HBL504SS**
Protective rear cover. Fits all inlets except HBL504SS. Secures to back of inlets with 3 screws which are provided.	**SR3050****
Replacement interior for 63CM74 and HBL504SS power inlets.	**CR16279****
Nickel plated brass connector body has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	**HBL63CM64**
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15+**
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15W+**
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP55 SUITABILITY.**	**HBL77CM17+**

Notes: *** Not UL/CSA.*
+ Boots are not UL listed.
Δ To be discontinued when present stocks are exhausted.

HBL504NM

HBL504RI

HBL504SS

HBL63CM64

HBL77CM15

HBL77CM17

50A Traditional Stainless Steel Inlets

Base and cover are #316 type stainless steel for strength and corrosion resistance.

Contact blades are nickel plated brass for corrosion resistance.

Pressure screw terminals for secure terminations- clearly marked for easy identification.

Thermoset contact carrier is arcing and heat resistant.

Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use.

Neoprene gasket on underside of cover for sealing when the cover is closed.

Three screws "lock-in" the interior once it is in place.

Rear enclosure is nickel plated for corrosion resistance.

Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the watertight cover on the connector body. When not in use, it mates to the threaded cover.

Marine Products
50 Ampere, 125/250 Volt Twist-Lock® Devices
3 Pole 4 Wire
Ship-to-Shore Devices

Plugs and receptacles only.

50A
125/250V
UL/CSA

50A 125/250V Ship-to-Shore Devices

Description	Catalog Numbers
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56 SUITABILITY (BOATSIDE).**	HBL61CM52
Same as HBL61CM52 except with two high intensity LEDs.	HBL61CM52LED •
Same as HBL61CM52 except white.	HBL61CM52W
Same as HBL61CM52W except with two high intensity LEDs.	HBL61CM52WLED •
Yellow 25 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56 SUITABILITY (BOATSIDE).**	HBL61CM42
Same as HBL61CM42 except with two high intensity LEDs.	HBL61CM42LED •
Same as HBL61CM42 except white.	HBL61CM42W
Same as HBL61CM42W except with two high intensity LEDs.	HBL61CM42WLED •
Four conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility is ideal for making cable sets, extension cords, and adapters that will not mark the boats deck. Available in 250 ft. (76.2m) lengths only.	YC406250
Nickel plated brass plug has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	HBL63CM65
Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	HBL77CM16+
White Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	HBL77CM16W+
Single receptacle has a heat resistant thermoset base. **IP20 SUITABILITY.**	HBL63CM69
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	HBL77CM74WO
Same as HBL77CM74WO except gray in color. **IP44 SUITABILITY.**	HBL7774WO
Stainless steel wall plate for 50A receptacle.	SS750

Notes: + Boots are not UL listed.
    • Features and benefits on page W-14.

**HBL61CM52
HBL61CM52W
HBL61CM42
HBL61CM42W**

HBL63CM65

HBL77CM16

HBL63CM69

HBL77CM74WO

50A Molded Cable Sets

Thermoset contact carrier is arcing and heat resistant.

Sealing lip to protect plug/receptacle connection from moisture.

Nickel plated brass contact blades for corrosion resistance.

Copper crimp barrels for reliable terminations.

Thermoset contact carrier is arcing and heat resistant.

Bull ring for strain relief on the terminals.

Molded-in flex feature controls the angle of cord entry and keeps out water.

Bull ring for strain relief on the terminals.

Molded-in flex feature controls the angle of cord entry and keeps out water.

Copper crimp barrels for reliable terminations.

Nickel plated contacts for corrosion resistance.

Nickel plated brass shell for positive alignment of keying and corrosion resistance.

Nickel plated brass shell for positive alignment of keying and corrosion resistance.

Metallic threaded sealing ring to provide a watertight seal when mated with the shore power inlet.

SS750

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Marine Products
50 Ampere, Cable Set with Two High Intensity LEDs:
"Power-On" and "Incorrect Wiring" Indicators
Ship-to-Shore Cable Sets

NEW

- Two bright, durable, LEDs. GREEN indicates "Power-On" and RED indicates "Incorrect Wiring" at the power source.
- High intensity LEDs are visible—even in bright sunlight.
- Totally molded design for superior waterproofing and durability.
- Exclusive copper crimp barrel terminations for tighter connections and longer life.

Bull ring for added strain relief.

Exclusive crimp termination for longer life.

c(UL)us LISTED

IP56 SUITABILITY (Boatside)

50A 125V

50A 125/250V

50A Shore Power Cable Set with Two LED Indicators

Description	Catalog Number	Catalog Numbers
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight.	HBL61CM53LED	HBL61CM52LED
Same as HBL61CM52LED except in white.	HBL61CM53WLED	HBL61CM52WLED
Same as HBL61CM52LED except 25 ft. (7.6m) in length.	HBL61CM43LED	HBL61CM42LED
Same as HBL61CM42LED except in white.	–	HBL61CM42WLED

Bright green LED indicates "Power-On".

Bright red LED indicates "Incorrect Wiring" at the power source.

Ergonomic styling.

Arrows line-up.

Marine Products
100 Ampere, 125/250 Volt and 3ØY 120/208 Volt
3, 4, and 5 Wire
Ship-to-Shore Cable Sets

IP67 SUITABILITY

100A 125/250V AC

100A 125/250V Ship-to-Shore Cable Sets

Description	Catalog Numbers
Yellow 75 ft. (22.8m) corrosion resistant shore power cable set, 105° C rated, #2 AWG, 2 pole 3 wire (no neutral), STOW cable with 3 pole 4 wire, 100A 125/250V plug and connector body for use with boats with isolation transformer on board.	**CS75IT4**
Same as CS75IT4 except 100 ft. (30.4m) in length.	**CS100IT4**
Yellow 75 ft. (22.8m) corrosion resistant shore power cable set, 105° C rated, #2 AWG, 3 pole 4 wire STOW cable.	**CS754**
Same as CS754 except 100 ft. (30.4m) in length.	**CS1004**
Yellow 50 ft. (15.2m) corrosion resistant extension cord, 105° C rated, #2 AWG, 3 pole 4 wire STOW cable. For mating with existing shore power cable set.	**CS50EXT4**
Yellow 75 ft. (22.8m) corrosion resistant one-ended (male only) power supply cable, 105° C rated, #2 AWG, 3 pole 4 wire STOW cable with 3 pole 4 wire male plug only; for use with boats using a cable winch system.	**CW754**
Yellow 100 ft. (30.4m) corrosion resistant one-ended (male only) power supply cable, 105° C rated, #2 AWG, 2 pole 3 wire (no neutral) STOW cable with 3 pole 4 wire male plug only; for use with boats with isolation transformer on board and a cable winch system.	**CW100IT4**
Same as CW100IT4 except 125 ft. (38.0m) in length.	**CW125IT4**
Same as CW100IT4 except in white.	**CW100IT4W**

100A 3ØY 120/208V AC

100A 120/208V Ship-to-Shore Cable Sets

Description	Catalog Numbers
Yellow 75 ft. (22.8m) corrosion resistant shore power cable set, 105° C rated, #2 AWG, 3 pole 4 wire (no neutral), STOW cable with 4 pole 5 wire, 100A 120/208V plug and connector body for use with boats with isolation transformer on board.	**CS75IT5**
Same as CS75IT5 except 100 ft. (30.4m) in length.	**CS100IT5**
Yellow 50 ft. (15.2m) corrosion resistant extension cord, 105° C rated, #2 AWG, 4 pole 5 wire STOW cable. For mating with existing shore power cable set.	**CS50EXT5**
Yellow 100 ft. (30.4m) corrosion resistant one-ended (male only) power supply cable, 105° C rated, #2 AWG, 3 pole 4 wire (no neutral) STOW cable with 4 pole 5 wire male plug only; for use with boats with isolation transformer on board and a cable winch system.	**CW100IT5**
Same as CW100IT5 except 125 ft. (38.0m) in length.	**CW125IT5**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

- Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none.
- Hubbell developed the standard for 100 amp Pin and Sleeve devices with the National Electric Code and the American Boat and Yacht Council.
- Only Hubbell offers 3, 4 and 5 wire 100 amp cable sets for your shore power requirements.
- Cable sets manufactured in factory-controlled conditions using specially compounded cable to accommodate a full 100 amp.

Features	Benefits
Factory assembled.	Reliable and consistent terminations.
100 Amp pin and sleeve devices.	Rugged, watertight, UL listed, AB02029 YC compliant, corrosion resistant.
UL Listed cable.	High visibility yellow, STOW cable, 105° C rated, and UL listed.
Breadth of line.	Available in 75, 100, and 125 ft. lengths with and without a neutral. Fifty foot extension cords also available.
100% inspection.	Each cable set is tested to ensure quality performance.

CS75IT4

Marine Products
100 Ampere, 125/250 Volt
3 Pole 4 Wire
Ship-to-Shore Devices

IP67 SUITABILITY

100A
125/250V AC

M4100B12R

M4100C12R

**BB1001W
BB1002W**

100A 125/250V Ship-to-Shore Devices

Description	Catalog Numbers
Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included.	M4100B12R
Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.00–1.94 in. (25.4–49.3). Note: This device mates with shore power inlet only.	M4100C12R
15° angle cast aluminum back box has corrosion resistant gray finish and top hub with 1½ in. N.P.T. 100A receptacles can be mounted directly to it.	BB1001W
Same as BB1001W except threaded top hub is 2.00 in. N.P.T.	BB1002W
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. N.P.T. hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended).	BB100N

Replacement Parts

Replacement lift cover assembly; includes cover, arm and assembly tool.	CA100
Replacement locking ring and cord clamp.	CC100
Replacement locking ring only.	LR100

Notes: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

8.13"
(206.5)

4.75"
(120.7)

6.88"
(174.8)

6.94"
(176.3)

15 deg.

6.75"
(171.5)

5.50"
(139.7)

**BB1001W
BB1002W**

3.99"
(101.3)

7.41"
(188.2)

8.21"
(208.5)

6.31"
(160.3)

15 deg.

5.71"
(145.0)

6.23"
(158.2)

BB100N

Shore Power Inlet

BB100N

The gasketed, self-closing cover is keyed to normally seat in a position that provides a weatherproof seal. Simply rotating the cover and locking it makes it watertight.

The terminals are clearly identified with large markings for easy recognition.

High impact thermoset contact carrier is arcing and heat resistant.

The device is marked with its catalog number and rating for easy identification.

Nickel plated solid brass pins provide for long life and reliable electrical contact in corrosive environments.

Special keying makes proper alignment of mating devices quick and easy.

Nylon housing provides increased safety and abuse resistance.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Marine Products
100 Ampere, 125/250 Volt
3 Pole 4 Wire
Ship-to-Shore Devices

IP67
SUITABILITY

100A
125/250V AC

100A 125/250V Ship-to-Shore Devices

Description	Catalog Numbers
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.00–1.94 in. (25.4–49.3).	M4100P12
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included.	M4100R12
Yellow Zytel® super tough nylon watertight connector body for mating plug to connector interface on extension cords or adapters. Cord grip range is 1.00–1.94 in. (25.4–49.3). Note: It cannot be mated to the shore power inlet.	M4100C12
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion resistant gray alkyd-based enamel finish and 1½ in. N.P.T. hub which can be mounted for either top or bottom feed.	FW60100
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	PC100

Replacement Parts

Replacement lift cover assembly; includes cover, arm and assembly tool.	CA100
Replacement locking ring and cord clamp.	CC100
Replacement locking ring only.	LR100

Notes: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

M4100P12
M4100R12
M4100C12
FW60100
PC100
CA100

9.75" (247.7)
8.75" (222.3)
15 deg.
6.75" (171.5)
6.00" (152.4)
7.75" (196.9)
FW60100

100A Connector Body

The gasketed locking ring engages the mating device and when rotated and locked makes the interface between the devices watertight.

High impact thermoset contact carrier is arcing and heat resistant.

Special keying makes proper alignment of mating devices quick and easy.

The terminals are clearly identified with large markings for easy recognition.

Massive external cable grips protect the wiring from conductor movement which can cause strain on the terminals.

All screws are stainless steel for corrosion resistance.

Two screw pressure terminals provide reliable terminations.

Neoprene glands are provided in graduated sizes for use with varying cable sizes. They assure a highly reliable watertight seal at the cable entry to the device.

Supertough nylon housing provides increased safety and abuse resistance.

The device is marked with its catalog number and rating for easy identification.

Zytel® is a registered trademark of E.I. DuPont.

Marine Products
100 Ampere, 3ØY 120/208 Volt and 3ØY 277/480 Volt
4 Pole 5 Wire
Ship-to-Shore Devices

IP67 SUITABILITY

100A 3ØY 120/208V AC   100A 3ØY 277/480V AC

100A 3ØY 120/208V and 100A 3ØY 277/480V Ship-to-Shore Devices

Description	Catalog Numbers	
Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included.	M5100B9R	M5100B7R
Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.00–1.94 in. (25.4–49.3). Note: This device mates with shore power inlet only.	M5100C9R	M5100C7R
15° angle cast aluminum back box has corrosion resistant gray finish and top hub with 1½ in. N.P.T. 100A receptacles can be mounted directly to it.	BB1001W	BB1001W
Same as BB1001W except threaded top hub is 2.0 in. N.P.T.	BB1002W	BB1002W
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. N.P.T. hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended).	BB100N	BB100N

Replacement Parts

Replacement lift cover assembly; includes cover, arm and assembly tool.	CA100	CA100
Replacement locking ring and cord clamp.	CC100	CC100
Replacement locking ring only.	LR100	LR100

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

M5100B9R

M5100C9R

BB1001W BB1002W

4.75" (120.7) · 8.13" (206.5) · 6.88" (174.8) · 6.94" (176.3) · 6.75" (171.5) · 5.50" (139.7) · 15 deg.

BB1001W BB1002W

3.99" (101.3) · 7.41" (188.2) · 8.21" (208.5) · 6.31" (160.3) · 5.71" (145.0) · 6.23" (158.2) · 15 deg.

BB100N

Shore Power Inlet

The gasketed, self-closing cover is keyed to normally seat in a position that provides a weatherproof seal. Simply rotating the cover and locking it makes it watertight.

The terminals are clearly identified with large markings for easy recognition.

High impact thermoset contact carrier is arcing and heat resistant.

The device is marked with its catalog number and rating for easy identification.

Nickel plated solid brass pins provide for long life and reliable electrical contact in corrosive environments.

Special keying makes proper alignment of mating devices quick and easy.

Nylon housing provides increased safety and abuse resistance.

BB100N

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
Zytel® is a registered trademark of E.I. DuPont.

Marine Products
100 Ampere, 3ØY 120/208 Volt and 3ØY 277/480 Volt
4 Pole 5 Wire
Ship-to-Shore Devices

IP67
SUITABILITY

100A 3ØY 120/208V and 100A 3ØY 277/480V Ship-to-Shore Devices

100A 3ØY 120/208V AC

100A 3ØY 277/480V AC

Description	Catalog Numbers	
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.00–1.94 in. (25.4–49.3).	M5100P9	M5100P7
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included.	M5100R9	M5100R7
Yellow Zytel® super tough nylon watertight connector body for making plug to connector interface on extension cords or adapters. Cord grip range is 1.00–1.94 in. (25.4–49.3). Note: It cannot be mated to the shore power inlet.	M5100C9	M5100C7
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion resistant gray alkyd-based enamel finish and 1½ in. N.P.T. hub which can be mounted for either top or bottom feed.	FW60100	FW60100
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	PC100	PC100
Replacement Parts		
Replacement lift cover assembly; includes cover, arm and assembly tool.	CA100	CA100
Replacement locking ring and cord clamp.	CC100	CC100
Replacement locking ring only.	LR100	LR100

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

9.75" (247.7)

8.75" (222.3)

15 deg.

6.75" (171.5)

6.00" (152.4)

7.75" (196.9)

FW60100

100A Connector Body

The gasketed locking ring engages the mating device and when rotated and locked makes the interface between the devices watertight.

The terminals are clearly identified with large markings for easy recognition.

Massive external cable grips protect the wiring from conductor movement which can cause strain on the terminals.

High impact thermoset contact carrier is arcing and heat resistant.

Special keying makes proper alignment of mating devices quick and easy.

All screws are stainless steel for corrosion resistance.

Neoprene glands are provided in graduated sizes for use with varying cable sizes. They assure a highly reliable watertight seal at the cable entry to the device.

Two screw pressure terminals provide reliable terminations.

Supertough nylon housing provides increased safety and abuse resistance.

The device is marked with its catalog number and rating for easy identification.

Zytel® is a registered trademark of E.I. DuPont.

M5100P9

M5100R9

M5100C9

FW60100

PC100

CA100

Marine Products
200 Ampere, 600V AC/250V DC, 50-400 Hertz
4 Pole 5 Wire
Ship-to-Shore Devices

NEMA 4X

Hubbell was the first to offer a marine-ized UL listed 100 AMP Ship-To-Shore System…and now, we are the first to offer a marine-ized, UL listed 200 AMP Ship-To-Shore System.

The only 200 Amp-rated Ship-to-Shore System - built specifically for Mega-Yachts.

- Type 3,4, 4X rated per UL50 standard for superior water resistance.
- UL listed and CSA certified.
- Interchangeable with other "UL1682" listed devices.
- Terminal screws feature swivel/pressure pads to secure, and prevent damage to, conductors strands.
- Cable clamp captures cable at four points, provides superior retention.
- Housing is made of copper-free aluminum with an electrostatically applied epoxy/polyester finish.
- Accepts a cord range of #1 AWG – 250 MCM.
- Pins and Sleeves are made of nickel-plated Tellurium copper for superior corrosion and heat resistance.

Hubbell 200 Amp devices are listed to UL 1682 and UL Classified for the mating and operation of 200 Amp devices with Crouse-Hinds® Arktite® or Appleton® Powertite® (when installed in accordance with instructions furnished with device).

NEW

M5200BS1R

M5200CS1R

200A
600V AC/250V DC

200A 600V Ship-to-Shore Devices

Description	Catalog Numbers
Gray metallic watertight shore power inlet with wingnut-secured lid for water tightness when not in use.	M5200BS1R
Gray/yellow metallic watertight connector body with locking ring to make inlet/connector body interface watertight. Cord range is #1 AWG-250 MCM (0.653 max. conductor diameter).	M5200CS1R

Dimensions

6.90"
(175.26)

8.01"
(203.48)

1.76"
(44.78)

7.39"
(187.71)

Ø 5.625"
(142.88)

Ø 4.50"
(114.30)

Wire Range
#1 AWG-250 MCM
Copper Only

M5200BS1R

6.70"
(170.18)

11.13"
(282.70)

Cable Diameter
1.0" (25.4) Min.
2.5" (63.5) Max.

Wire Range
#1 AWG-250 MCM
Copper Only

M5200CS1R

Marine Products
200 Ampere, 600V AC/250V DC, 50-400 Hertz
4 Pole 5 Wire
Ship-to-Shore Devices

UL CSA
NEMA 4X

**200A
600V AC/250V DC**

200A 125/250V Ship-to-Shore Devices

Description	Catalog Numbers
Gray/yellow metallic watertight plug with locking ring to make plug/receptacle interface watertight. Cord grip range is #1 AWG-250 MCM (0.653 max. conductor diameter).	M5200PS1
Gray metallic, watertight dockside receptacle with wing nut-secured lid for water tightness when not in use.	M5200RS1
Gray/yellow metallic watertight connector body with wing nut-secured lid for water tightness when not in use. For making plug/connector body interface on extension cords or adapters.	M5200CS1
Gray metallic Back Box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions, 2.0 in. N.P.T. hub.	MB2003W
Gray metallic Back Box – same as above but 2½ in. N.P.T. hub.	MB2004W

M5200PS1

M5200RS1

M5200CS1

MB2003W

Dimensions

7.39"
(187.70)

13.65"
(346.70)

6.70"
(170.20)

Cable Diameter
1.0" (25.4) Min.
2.5" (63.5) Max.

Wire Range
#1 AWG-250 MCM
Copper Only

M5200CS1

6.90"
(169.90)

7.76"
(197.10)

.99"
(25.22)

7.39"
(187.70)

Ø 5.625"
(142.88)

Ø 4.50"
(114.30)

4X Ø .406 (10.32)

Wire Range
#1 AWG-250 MCM
Copper Only

M5200RS1

6.70"
(170.20)

11.13"
(282.70)

Cable Diameter
1.0" (25.4) Min.
2.5" (63.5) Max.

Wire Range
#1 AWG-250 MCM
Copper Only

M5200PS1

8.17"
(207.5)

6.75"
(171.5)

10.82"
(274.8)

9.50"
(241.3)

45°

(4X) Ø .44 (11.1)

(4X) 3/8-16 UNC

MB2003W

Internationally Rated Twist-Lock® Devices

16, 32 Ampere, 230 Volt

IP56
SUITABILITY

HBL316NM
HBL332NM

Hubbell offers the only CE certified electrical shore power system truly dedicated for boats destined for Europe and the International community. Hubbell's offering of international shore power inlets are available in traditional ³⁄₁₆-inch stainless steel and attractive white non-metallic types resembling our domestic offering in style and appearance but are not interchangeable with the domestic shore power system.

Utilizing standard NEMA (National Electrical Manufacturer's Association) configurations not typically used in the marine market, Hubbell can offer a safe and non-interchangeable 16 Amp 230 Volt system and 32 Amp 230 Volt system for use with 50 cycle systems. The system includes white power supply cables (one-end, female only) in both the 16 Amp and 32 Amp categories.

HBL316SSX
HBL332SSX

16A 230V Ship-To-Shore Power System

Description	Catalog Numbers
Non-metallic, white, stylized, U.V. resistant shore power inlet. White Centrex cover makes the inlet weatherproof when closed. Mounting holes are 2.38 in. (60.3) on centers and match most existing mounting patterns. Rear enclosure strain/relief cap is provided.	HBL316NM
Traditional, stainless steel shore power inlet has new easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.	HBL316SSX
25 ft. (7.6m) white, vinyl jacketed power supply cord with female (boat side) end only; other end blunt cut.	HBL316CSW25
50 ft. (15.2m) white, vinyl jacketed power supply cord with female (boat side) end only; other end blunt cut.	HBL316CSW
Yellow locking connector replacement end for HBL316CSW25 and HBL316CSW. **IP20** SUITABILITY.	HBL316CRC
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP55** SUITABILITY.	HBL103RX

HBL316CSW25
HBL316CSW
HBL332CSW

32A 230V, 50 Cycle Ship-To-Shore Power System

Description	Catalog Numbers
Non-metallic, white, stylized, U.V. resistant shore power inlet. White Centrex cover makes the inlet weatherproof when closed. Mounting holes are 2.38 in. (60.3) on centers and match most existing mounting patterns. Rear enclosure/strain relief cap is provided.	HBL332NM
Traditional, stainless steel shore power inlet has new easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.	HBL332SSX
50 ft. (15.2m) white, vinyl jacketed power supply cord with female (boat side) end only; other end blunt cut.	HBL332CSW
Yellow locking connector replacement end for HBL332CSW. **IP20** SUITABILITY.	HBL332CRC
White Seal-Tite cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP55** SUITABILITY.	HBL103RX

HBL316CRC
HBL332CRC

HBL103RX

Marine Products
Internationally Rated Pin and Sleeve Devices
16, 32, 63 Ampere, 240 Volt

UL Classified to IEC
60309-1 and 60309-2

IP67
SUITABILITY

Devices are rated in either 16A, 32A or 63A, 240V, 2 pole plus earth (⏚) .

16A 240V, 2 Pole ＋ ⏚

Description	Catalog Numbers
Shore power inlet with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	**HBL316B6W**
Connector body with cord grip range of .36–.83 in. (9.1-21.1).	**HBL316C6W**
Shore power receptacle with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	**HBL316R6W**
Plug with cord grip range of .36–.83 in. (9.1-21.1).	**HBL316P6W**
Closure plug for HBL316B6W. Not CSA.	**PC320**
Back box for inlets and receptacles is cast aluminum with corrosion resistant alkyd-based enamel finish and two ¾ in. N.P.T. hubs.	**BB201W**
Feed-thru box for inlets and receptacles is cast aluminum with corrosion resistant alkyd-based enamel finish and one ¾ in. N.P.T. hubs.	**FT202W**

HBL316B6W

HBL316R6W

32A 240V, 2 Pole ＋ ⏚

Description	Catalog Numbers
Shore power inlet with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	**HBL332B6W**
Connector body with cord grip range of .45–1.25 in. (11.4–31.8).	**HBL332C6W**
Shore power receptacle with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	**HBL332R6W**
Plug body with cord grip range of .45–1.25 in. (11.4–31.8).	**HBL332P6W**
Closure plug for HBL332B6W. Not CSA.	**PC3430**
Back box for inlets and receptacles is cast aluminum with corrosion resistant alkyd-based enamel finish and one 1.0 in. N.P.T. hub.	**BB301W**

HBL316C6W

63A 240V, 2 Pole ＋ ⏚

Description	Catalog Numbers
Shore power inlet with mounting holes 3.88 in. (98.4) on centers and 3.94 in. (88.1) diameter on rear portion.	**HBL363B6W**
Connector body with cord grip range of .70–1.45 in. (17.8–36.8).	**HBL363C6W**
Shore power receptacle with mounting holes 3.88 in. (98.4) on centers and 3.94 in. (88.1) diameter on rear portion.	**HBL363R6W**
Plug body with cord grip range of .70–1.45 in. (17.8–36.8).	**HBL363P6W**
Closure plug for HBL363B6W. Not CSA.	**PC60**
Back box with 1½ in. N.P.T. hub.	**BB601W**
Back box for inlets and receptacles has 15° angle section which can be installed in any of four positions. Box is cast aluminum with corrosion resistant gray alkyd-based enamel finish and 1½ in. N.P.T. hub which can be mounted for either top or bottom feed.	**FW60100**

HBL316P6W

PC320

BB201W

Marine Products
Intelligent Y Adapters

YQ230 - Safely powers a 50A, 125/250V AC boat from two 30A, 125V AC receptacles at dockside.

Environmentally sealed against humidity, fog and rain.

Cord clamps prevent strain on terminals.

Sealing grommets keep moisture out.

UV resistant high-impact housing.

Safety indicator light. (When ON, safe operation is indicated).

Fully molded Hubbell plugs.

30A plugs connect to 30A shore power.

50A connector body mates with boat's male end of cordset.

Fully molded Hubbell connector.

IMPROVED DESIGN

Application:

Problem: A boat owner with one electrical system on board docks in a marina that can only provide a different electrical system.

Solution: Use of the Hubbell YQ series of Intelligent Adapters can correct many electrical system mismatches.

Features and Benefits:

• 3 pole contactor breaks both hots and neutrals to prevent possibility of "live" plug when not engaged.

• Combines two oppositely-phased 30A, 125V receptacles to provide 30 amp,125/250 volts of power.

Note: The YQ230 Adapter will only work with two 30A receptacles that are on different phases.

YQ100PLUS - Safely powers a 100A, 125/250V AC boat from two 50A 125/250V AC receptacles at dockside -or- from a single 50A 125/250V AC receptacle acting as a single adapter.

Fully molded Hubbell plugs.

Full feature Hubbell connector.

NEW

Cord clamps helps to prevent strain on terminals.

100A connector body mates with boat cordset.

Environmentally sealed against humidity, fog and rain.

Indicator lights indicate correct polarity and safe operation.

Sealing grommets keep moisture out.

50A plugs connect to 50A shore power.

Smaller, lighter-weight enclosure.

"A" leg for accessing a single 50A 125/250V receptacle.

Internal Logic Senses That:

• Both plugs are fully engaged (i.e., one is not dangling loose while the other is plugged in) -or- the "A" leg plug is engaged to access a single 50A, 125/250V receptacle.

• The polarity of the receptacle on the dock is correct (i.e., no mis-wiring of the hot and neutral wires).

• The two receptacles are from correct phases.

Note: The YQ100PLUS Adapter must be plugged into two 50A, 125/250V AC receptacles that are on the same phase to achieve 100 amp, 125/250 volts power -or- the "A" leg 50A male into a single 50A, 125/250V AC receptacle to achieve 50 amp, 125/250 volts power.

Intelligent Y Adapters

Description	Catalog Numbers
Adapter that permits use of 50A, 125/250V AC cable set. (HBL61CM52), with two 30A, 125V AC receptacles, HBL26CM10.	**YQ230**
Adapter that permits use of 100A, 125/250V AC cable set. (CS754, CS1004) with one or two 50A, 125/250V AC receptacles, HBL63CM69.	**YQ100PLUS** NEW

Marine Products
Adapter Selection Guide

Boat/Cable Set Side		Power Center/Dock Side
Connector Body (Female End)	**Molded Straight Adapters** Catalog Number	**Plug (Male End)**
15A 125V, 2P 3W Straight	HBL105GF*	30A 125V, 2P 3W Twist-Lock®
30A 125V, 2P 3W Twist-Lock®	HBL61CM22 HBL61CM22W	15A 125V, 2P 3W Straight Blade (lock type)
30A 125V, 2P 3W Twist-Lock	HBL61CM25	20A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock	HBL61CM54	15A 125V, 2P 3W Straight Blade
30A 125V, 2P 3W Twist-Lock	HBL61CM55	50A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock	HBL61CM56	30A 125V, 2P 3W Twist-Lock
50A 125/250V, 3P 4W Twist-Lock	HBL61CM59	50A 125/250V, 3P 4W Crow Foot
30A 125V, 2P 3W Twist-Lock	HBL61CM71	50A 125/250V, 3P 4W Twist-Lock
50A 125V, 2P 3W Twist-Lock	HBL61CM72	50A 125/250V, 3P 4W Twist-Lock
100A 125/250V, 3P 4W Pin/Sleeve	HBL61CM100	50A 125/250V, 3P 4W Twist-Lock

Molded "Y" Adapters

(2) 30A 125V, 2P 3W Twist-Lock	HBL64CM54	50A 125/250V, 3P 4W Twist-Lock
(2) 50A 125V, 2P 3W Twist-Lock	HBL64CM55	50A 125/250V, 3P 4W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock	HBL64CM56	30A 125V, 2P 3W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock	HBL64CM57	50A 125V, 2P 3W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock	HBL64CM59	50A 125/250V, 3P 4W Crow Foot

One Piece Adapters

30A 125V, 2P 3W Twist-Lock	HBL31CM28	15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade	HBL31CM29	30A 125V, 2P 3W Twist-Lock
20A 125V, 2P 3W Twist-Lock	HBL21CM28	15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade	HBL21CM29	20A 125V, 2P 3W Twist-Lock

Note: See following two pages for photographs and descriptions.
*   * Provides GFCI Protection*

Marine Products
Molded Straight Adapters

IP65
SUITABILITY

HBL21CM28

HBL21CM29

HBL31CM28

HBL31CM29

Molded Straight Adapters

Description	Catalog Numbers
Permits use of 20A 125V Twist-Lock® locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 SUITABILITY**.	**HBL21CM28†**
Permits use of 15A or 20A 125V straight blade plug with 20A 125V Twist-Lock locking type receptacle. **IP20 SUITABILITY.**	**HBL21CM29†**
Permits use of 30A 125V Twist-Lock locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 SUITABILITY.**	**HBL31CM28**
Permits use of 15A or 20A 125V straight blade plug with 30A 125V Twist-Lock locking type receptacle. **IP20 SUITABILITY.**	**HBL31CM29**
Permits use of 30A 125V cable set, HBL61CM08, with 15 or 20A 125V straight blade receptacle. Anchor locking screw on plug when screwed down resists pullout of the cable set.	**HBL61CM22**
Same as HBL61CM22, except white.	**HBL61CM22W**
Permits use of 30A 125V cable set, HBL61CM08, with 20A 125V Twist-Lock receptacle, HBL23CM10.	**HBL61CM25**
Permits use of 50A 125V cable set, HBL61CM53, with 15 or 20A 125V straight blade receptacle.	**HBL61CM54**
Permits use of 30A 125V cable set, HBL61CM08, with 50A 125V Twist-Lock receptacle, HBL63CM70.	**HBL61CM55**
Permits use of 50A 125V cable set, HBL61CM53, with 30A 125V Twist-Lock receptacle, HBL26CM10.	**HBL61CM56**
Permits use of 50A 125/250V Twist-Lock locking type cable set, HBL61CM52, with 50A 125/250V crow foot straight blade receptacle HBL7962.	**HBL61CM59**
Permits use of 30A 125V cable set, HBL61CM08, with 50A 125/250V Twist-Lock receptacle, HBL63CM69.	**HBL61CM71⏶**
Permits use of 50A 125V cable set, HBL61CM53, with 50A 125/250V Twist-Lock receptacle, HBL63CM69.	**HBL61CM72⏶**
Permits use of 15A 125V 3 wire straight blade plug with 15 or 20A 125V 2 wire straight blade receptacle.	**HBL5273L †**
Permits a 100 amp 125/250 volt cable set to plug into a single 50 amp 125/250 volt outlet.	**HBL61CM100**
Permits use of 15A straight blade plug with 30A 125V Twist-Lock receptacle; with GFCI protection.	**HBL105GF**

Notes: † UL listed.
Adapters do not provide overcurrent protection.
Adapters do not provide GFCI protection except HBL105GF.
⏶The male plug end (50A 125/250V) has a blade removed and the blade slot filled with epoxy. Omitting the blade ensures achieving 125V safely.

HBL61CM22

HBL61CM25

HBL61CM54

HBL61CM55

HBL61CM56

HBL61CM59

HBL61CM100

HBL105GF

HBL61CM71⏶

HBL61CM72⏶

Marine Products
Molded Y Adapters

IP65
SUITABILITY

Molded Y Adapters

Description	Catalog Numbers
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V receptacle, HBL63CM69.	**HBL64CM54**
Permits use of two 50A 125V cables sets, HBL61CM53, with one 50A 125/250V receptacle, HBL63CM69.	**HBL64CM55**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 30A 125V receptacle, HBL26CM10.	**HBL64CM56**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125V receptacle, HBL63CM70.	**HBL64CM57**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V crow-foot straight receptacle, HBL7962.	**HBL64CM59**

Notes: The adapters shown on this page are not UL Listed because of the nature
of adapters with their variety of ratings.
Adapters do not provide overcurrent protection.
Adapters do not provide GFCI protection except HBL105GF.

HBL64CM54

HBL64CM55

HBL64CM56

HBL64CM59

HBL64CM57

Marine Products
Telephone and Cable TV Devices
Ship-to-Shore Devices

HBLPHTVNM

HBLPHTVSS

HBLTVSS

PH6625

PH6624

PH7440

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Numbers
Stylized non-metallic inlet provides telephone and cable TV connections in one unit. UV resistant white Centrex® cover makes unit weatherproof when completely closed. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket provided. **IP56 SUITABILITY.**	**HBLPHTVNM**
Stylized Type 316 stainless steel inlet provides telephone and cable TV connections in one unit. Easy to use push-button latch makes unit watertight when fully engaged. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket provided. **IP56 SUITABILITY.**	**HBLPHTVRI** ∆
Traditional stainless steel inlet provides connections for telephone and cable TV in one unit. Connections can be used individually or together. Gasketed cover is self-closing so interior is shielded from the elements when not in use. Watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.**	**HBLPHTVSS**
Same as HBLPHTVSS above except no phone.	**HBLTVSS**
Replacement int. for PH6594TV and HBLPHTVSS series inlets.	**CR16914**
Factory pre-wired 50 ft. (15.2m) telephone cable set. Uses 3 conductor, #16 AWG type SJTO, yellow vinyl cord for marine and recreational vehicle applications. **IP55 SUITABILITY.**	**PH6599**
Same as PH6599 except white.	**PH6599W**
Same as PH6599 except 25 ft. (7.6m) in length.	**PH6598**
Same as PH6598 except white.	**PH6598W**
Black locking type plug for telephone cable sets or adapters.	**PH6625**
Black locking type connector body used on telephone cable sets or adapters.	**PH6624**
Yellow Seal-Tite® cover for weatherproofing PH6624 connector body on cable sets when connecting to an inlet and for weatherproofing PH6625 plug. **IP55 SUITABILITY.**	**PH7440**
Yellow Seal-Tite cover for weatherproofing PH6624 connector body when used on extension cords or adapters. **IP55 SUITABILITY.**	**PH7499**

Note: ∆ To be discontinued when present stocks are exhausted.

PH6599
PH6599W
PH6598
PH6598W

Centrex® is a registered trademark of LANXESS Corporation.

Marine Products
Telephone and Cable TV Devices
Ship-to-Shore Devices

IP55
SUITABILITY

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Numbers
Black polycarbonate combination telephone/TV outlet with spring-loaded weatherproof lift cover. Can be wired for telephone service only or for telephone and MATV/CATV services in one FS/FD box in both marinas and RV parks. Can be padlocked to prevent unauthorized use.	PH6597TV
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes (like PH6619) in both marinas and RV parks.	PH6597
Black polycarbonate cable TV outlet has coax connector and gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes (like PH6619) in both marinas and RV parks.	TV97
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Can be used to retrofit old style telephone outlets of Pauluhn Manufacturing Company (2833 and 2843) in both marinas and RV parks.	PH6596
Black non-metallic FS box with ¾ in. threaded hubs used for mounting phone and TV outlets and PH6595 recreational vehicle inlet (see PH6621 for mounting box on recreational vehicle). Cord connector included for strain relief and to maintain watertight integrity of box when cable is used. PVC adapter also included for connection of PVC conduit to box.	PH6619
Stainless steel bracket for mounting PH6619 FS box to recreational vehicles when used with PH6595 inlet.	PH6621
Black polycarbonate RV inlet for telephone connection only. Has spring-loaded, gasketed weatherproof lift cover designed for mounting to FS/FD type weatherproof boxes.	PH6595
50 ft. (15.2m) yellow jacketed ship-to-shore TV cable set is the industry standard 75 Ohm, RG59-U with male plugs on both ends. Adapter included for a quick, slip-on connection to inlet on boat.	TV99
Same as TV99 except white.	TV99W
Same as TV99 except 25 ft. (7.6m) in length.	TV98
Same as TV98 except white.	TV98W

PH6597TV

TV97

PH6597

PH6596

PH6619

PH6595

TV99
TV99W
TV98
TV98W

Telephone and Cable TV Devices

Marine Products
30 Ampere, 28 Volt DC Rated
Electric Fishing Reel Devices

HBL328DCR

HBL328DCP

HBL328DCC

HBL6080

HBL74CM25WOA

Electric Fishing Reel Devices
Hubbell has a DC rated electrical system designed specifically for larger electric fishing reel systems.

Up until now, larger electric fishing reel systems typically utilized conventional 30 Amp AC rated devices since an appropriately rated DC system was not available.

The system features a corrosion resistant plug, connector body and receptacle and can be used along with a Hubbell outlet box and weatherproof cover plate to complete the installation. These devices are all rated at 28 volts DC and are applicable for all 12, 24 and 32 volt DC fishing reel systems. The devices are UL listed and CSA certified. All devices are made of high-visibility yellow nylon that is impact resistant and U. V. stabilized for longer life. Also, the contacts are nickel plated for corrosion resistance.

Electric Fishing Reel Devices

Description	Catalog Numbers
Yellow locking single receptacle with abuse-resistant face. Can be mounted in Hubbell box HBL6080 and used with HBL74CM25WOA weatherproof plate.	**HBL328DCR**
Yellow locking plug has rugged nylon housing and rear dust seal to keep dust and foreign matter out.	**HBL328DCP**
Yellow locking connector body has rugged, nylon housing and rear dust seal to keep dust and foreign matter out.	**HBL328DCC**

Accessories

Description	Catalog Numbers
Black phenolic type FD (deep) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 3.25 in. D (115.9 x 74.6 x 82.6) and has 22 cubic inch capacity.	**HBL6080**
Spring-loaded lift cover, for weatherproofing HBL328DCR outlet. Yellow in color.	**HBL74CM25WOA**
Same as HBL74CM25WOAW except white in color.	**HBL74CM25WOAW**
Same as HBL74CM25WOAW except gray in color.	**HBL7425WOA**

Marine Products
12 Volt DC Rated Switches
Panel Mount Toggle and Rocker Switches

KEY CHART

M11SP

1. Toggle switch
Fits panels up to ¼ in. thick when not using the back-up nut provided; fits panels up to ³⁄₁₆ in. thick when using the back-up nut. Requires a ½ in. mounting hole.

M11LRGSP

2. Lighted toggle switch
Built-in pilot light (R=red, G=green) for night vision. Same panel specs as 1.

M11LTR

3. Lighted-tip toggle switch
Red pilot light visible in tip of toggle only. Same panel specs as 1.

MR11SP

4. Rocker switch
Requires a 1½ in. high x ⅞ in. wide rectangular opening.

MR123LRSP

5. Lighted rocker switch
Built-in pilot light for night vision. Same panel specs as 4.

	Typical Applications	Description	Catalog Numbers	Key
M11SP	Lights, bilge blower, bilge pump(s), accessories	Single pole, single throw. On/Off.	**M11SP** **M11LRSP** **M11LRGSP** **M11LTR** **MR11SP** **MR11LRSP**	1 2 2 3 4 5
M123SP	Horn, starter, winches, gauges	Single pole, single throw. Momentary On/Off.	**M11MSP*** **M11LTRM** **MR11MSP**	1 3 4
	Bilge pumps, speed selector, lights, navigation lights	Single pole, double throw. On/Off/On.	**M123SP** **M123LTR** **MR123SP** **MR123LRSP**	1 3 4 5
M21SP	Bilge pumps	Single pole, double throw. Momentary On/Off/On.	**M123MSP** **MR123MSP**	1 4
	Trim Tabs	Single pole, double throw. Momentary On/Off/Momentary On.	**M123MMSP** **MR123MMSP**	1 4
	Lights, accessories	Double pole, single throw. On/Off.	**M21SP** **MR21SP**	1 4
M223SP	Navigation lights, wipers, dual fuel tanks	Double pole, double throw. On/Off/On.	**M223SP** **MR223SP** **MR223LRSP**	1 4 5
	Navigation lights, windlass	Double pole, double throw. On/Off/On (with jumper).	**M223JSP**	1
MSB1	Winches, trim tabs, dual fuel tanks	Double pole, double throw. Momentary On/Off/Momentary On.	**M223MMSP** **MR223MMSP**	1 4
	Provides positive seal against moisture, oil, etc. Fits any non-lighted toggle switch.	Black silicone rubber boot bonded to brass nut.	**MSB1**	
MH11	For remote operation of horn.	Push-button horn switch with ¹⁵⁄₃₂ in. long nickel plated brass mounting stem. Terminals are .25 in. spade.	**MH11**	
MHB11	Fits MH11 horn switch.	Black push-button (horn) boot.	**MHB11**	

Marine Products
15 Ampere, 125 Volt AC Twist-Lock® Devices
2 Pole 3 Wire

15A 125V
NEMA L5-15R
UL/CSA

HBL47CM00

HBL52CM21

HBL47CM20C

HBL60CM23

HBL47CM29C

HBL60CM24

HBL47CM15

HBL47CM16

15A 125V AC Twist-Lock® Devices

Description	Catalog Numbers
Yellow duplex receptacle has heat resistant body. **IP20** SUITABILITY.	**HBL47CM00**
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20** SUITABILITY.	**HBL52CM21**
Same as HBL52CM21 except white in color.	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief.	**HBL47CM20C**
Short yellow Seal-Tite® cover for weatherproofing HBL47CM20C Insulgrip plug when used with receptacles or connector bodies. Also can be used to weatherproof HBL47CM29C Insulgrip connector body when used with HBL47CM16 flanged inlet. **IP55** SUITABILITY.	**HBL60CM23+**
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief.	**HBL47CM29C**
Yellow Seal-Tite cover for weatherproofing HBL47CM29C Insulgrip connector body when used on extension cords and adapters. **IP20** SUITABILITY.	**HBL60CM24+**
Panel mount flanged outlet has heat resistant melamine interior and stainless steel casing. **IP20** SUITABILITY.	**HBL47CM15**
Panel mount flanged inlet has heat resistant melamine interior and stainless steel casing. **IP20** SUITABILITY.	**HBL47CM16**
Three conductor, #14 AWG type STW, yellow PVC jacketed portable cord has jute fillers for added flexibility and is ideal for making cable sets, extension cords and adapters as it will not mark the boat's deck. Available in 250 ft. (76.2m) length only.	**YC314250**

Note: + Boots are not UL listed.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Marine Products
15 Ampere, 125 Volt AC Straight Blade Devices
2 Pole 3 Wire

IP20
SUITABILITY

G
W
15A 125V
NEMA L5-15R
UL/CSA

15A 125V AC Straight Blade Devices

Description	Catalog Numbers
Yellow single receptacle features Rynite® body and abuse resistant nylon face.	HBL52CM61
Yellow corrosion resistant duplex receptacle. Use where salt or other corrosive elements are a problem.	HBL52CM62
Same as HBL52CM62 except ivory.	HBL52CM62I
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief.	HBL52CM66C
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used with receptacles and connector bodies. Can also be used to weatherproof Insulgrip connector bodies when mating with flanged inlets. **IP55 SUITABILITY**. Not UL or CSA. Note: For Insulgrip® devices only.	HBL60CM17+
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief.	HBL52CM69C
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 SUITABILITY**. Not UL or CSA. Note: For Insulgrip devices only.	HBL60CM18+
Yellow Valise® plug has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8).	HBL52CM66V
Yellow Valise connector body has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8).	HBL52CM69V
Yellow Insulgrip® plug with anchor locking screw to prevent accidental pull-out. The plug is "locked" into the receptacle when the screw is turned down so the head is flush with the plug surface. The cord grip range is .30–.69 in. (7.5–17.4). UL Recognized Component.	HBL52CM80C
Compact gray nylon panel mount inlet ideal for bass boat battery charging connection. Has gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Will accept both 15A 125V and 20A 125V 2 pole 3 wire straight blade connector bodies.	HBL61CM64
Same as HBL61CM64 except black in color.	HBL61CM64BK
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes.	HBL52CM21
Same as HBL52CM21 except gray in color.	HBL5221
Same as HBL52CM21 except for mounting to standard boxes.	HBL52CM22
Same as HBL52CM22 except gray in color.	HBL5222
Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	HBL74CM23WO
Same as HBL74CM23WO except gray in color.	HBL7423WO

*Note: * Refer to Technical section X, page X-8 for TR and WR descriptions.*
         + Boots are not UL listed.

* WR

Rynite® is a registered trademark of E. I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBL52CM61   HBL52CM62

HBL52CM66C

HBL52CM69C

HBL52CM66V

HBL52CM69V

HBL52CM80C

HBL74CM23WO

HBL61CM64

Marine Products
20 Ampere, 125 Volt Twist-Lock® Devices
2 Pole 3 Wire

20A 125V
NEMA L5-20R
UL/CSA

20A 125V Twist-Lock® Devices

Description	Catalog Numbers
Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20 SUITABILITY.**	**HBL23CM10**
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL23CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL74CM25WOA**
Same as HBL74CM25WOA except gray in color.	**HBL7425WOA**
Same as HBL74CM25WOA except white in color.	**HBL74CM25WOAW**
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL23CM11**
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 or HBL23CM11 plugs. **IP55 SUITABILITY**. Note: Fits Insulgrip devices only.	**HBL60CM31+**
Same as HBL60CM31 except white in color.	**HBL60CM31W+**
Yellow Insulgrip connector body has rugged nylon housing and cord with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL23CM13**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 or HBL23CM13 connector bodies when used on extension cords or adapters. **IP55 SUITABILITY.** Note: Fits Insulgrip devices only.	**HBL60CM32+**
Yellow vinyl Seal-Tite cover for weatherproofing HBL23CM13V or HBL26CM13V connector bodies. **IP55 SUITABILITY.** Note: Fits Valise® devices only.	**HBL60CM32V+**
Yellow Valise plug has one-piece nylon housing, assembles easily with two screws. Built-in cord grip has range of .33–.72 in. (8.3–18.2). **IP20 SUITABILITY.**	**HBL23CM11V**
Yellow Seal-Tite cover for weatherproofing HBL23CM11V or HBL26CM11V plugs. **IP55 SUITABILITY.** Note: Fits Valise devices only.	**HBL60CM31V+**
Three conductor, #12 AWG type STW, yellow PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cords and adapters as will not mark boat's deck. Available in 250 ft. (76.2m) length only.	**YC312250**

Note: + Boots are not UL listed.

HBL23CM10

HBL74CM25WOA

HBL23CM11

HBL60CM31

HBL60CM32

HBL23CM11V

HBL26CM13

HBL60CM32V

HBL60CM31V

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Marine Products
20 Ampere, 125 Volt AC Straight Blade Devices
2 Pole 3 Wire

20A 125V
NEMA L5-20R
UL/CSA

20A 125V AC Straight Blade Devices

Description	Catalog Numbers
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY**.	HBL53CM66C
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY**.	HBL53CM69C
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 SUITABILITY**. Note: For Insulgrip devices only.	HBL60CM18+
Yellow closure plug used with HBL60CM18 long Seal-Tite cover to prevent water from entering front of device when not in use. **IP55 SUITABILITY**.	HBL60CM19+
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip® plugs, HBL52CM66C and HBL53CM66C, when used to mate receptacles and connector bodies. Can also be used with Insulgrip connector bodies when mating with flanged inlets. **IP55 SUITABILITY**. Note: For Insulgrip devices only.	HBL60CM17+
Yellow duplex receptacle has Rynite® body. Receptacle accepts both 20A 125V and 15A 125V 2 pole 3 wire straight blade plugs. **IP20 SUITABILITY**.	HBL53CM62
Single version of HBL53CM62 duplex yellow receptacle. **IP20 SUITABILITY**.	HBL53CM61
Compact gray nylon panel mount outlet ideal for electric trolling motors and reel applications. Features gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Accepts both 20A 125V and 15A 125V 2 pole 3 wire straight blade plugs. **IP55 SUITABILITY**.	HBL61CM65
Yellow polycarbonate spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY**. Not CSA.	HBL52CM21
Same as HBL52CM21 except white in color.	HBL52CM21W
Same as HBL52CM21 except gray in color.	HBL5221
Same as HBL52CM21 except for mounting to standard boxes.	HBL52CM22
Same as HBL52CM22 except gray in color.	HBL5222
Yellow polycarbonate spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY**. Not CSA.	HBL74CM23WO
Same as HBL74CM23WO except gray in color.	HBL7423WO

Note: + Boots are not UL listed.

HBL53CM66C

HBL53CM69C

HBL60CM18
HBL60CM19

HBL60CM17

HBL53CM62

HBL52CM21   **HBL74CM23WO**   **HBL61CM65**

HBL53CM61

Rynite® is a registered trademark of E. I. DuPont.

Marine Products
Portable Ground Fault Circuit Interrupters and Testers

GFP15M

GFT2G

HBL5200

GFP315A

GFP6C15M
GFP25C15M

Portable Ground Fault Circuit Interrupters (GFCIs)

These UL Listed portable GFCIs have been designed to protect people from line-to-ground electrical shock hazards which may develop from faulty appliance, tools or defective portable cords. If a ground fault does occur and the leakage level exceeds 4 to 6 milliamperes, the GFCI unit quickly acts to protect the user by opening the circuit, thus interrupting the power supply and limiting the duration of any electrical current flow. After tripping, the module is reset by pushing a button on its face. A test button allows the user to test that the GFCI is in working order.

Note: GFCI devices will not protect against overloads or short circuits.

Portable Ground Fault Circuit Interrupters and Testers

Description	Catalog Numbers
This unit is small and compact—measuring only 4.19 in. H x 5.19 in. L x 6.69 in. W (10.6cm x 13.2cm x 17.0cm) and weighing only 3 pounds—yet protects as many as four tools at one time. The housing is high-impact yellow polycarbonate as are the liftcovers which protect the receptacles from dirt and damage. Simply insert the plug on the end of the 6 foot (1.8m) cord into any 60Hz 120V receptacle and then plug the equipment to be used into one of the receptacles on the unit. Incorporates a 20 Amp GFCI module that can be replaced in the field. The module provides not only ground fault protection, but also contains the no voltage release feature.	GFP15M
3-outlet plug-in unit. Plugs into boat convenience receptacles to provide ground fault protection.	GFP315A
This unit is designed to measure the trip level of GFCI portables, receptacles, or breakers within any range from 2 to 7 milliamperes, or the leakage in portable tools or appliances within a leakage range of 1 to 7 milliamperes. It can be used on any AC circuit of 110 to 130V.	GFT2G
This outlet circuit tester has a simple arrangement of neon lights which visually indicate correct wiring, reversed polarity, open ground wire, open neutral wire, open hot wire, hot and ground reversed and hot wire on neutral terminal, and hot terminal unwired. Simply plug the HBL5200 into a single phase 125V 2 pole 3 wire outlet and the combination of lighted and/or unlighted lamps will immediately indicate the condition of the circuit. The instructions and symbol identification are printed on durable polyester labels permanently attached to the tester. To test other 2 pole 3 wire single phase 125V outlets, use one of the proper adapters shown on pages W-26 and W-27.	HBL5200

GFCI Line Cord Devices

Ideal for personal plug-in protection at marinas and onboard boats when used with pumps, drills, sanders and all portable electrical equipment. GFCI mechanism is watertight and approved for outdoor use. High visibility yellow SJTW-A power cord resists moisture, chemicals and sunlight.

Two different lengths available.

GFP6C15M 6 ft. (1.8m) line cord
GFP25C15M 25 ft. (7.6m) line cord

GFCI Specifications

Rating: 15A 120V 60Hz 2 pole 3 wire straight blade
Trip Level: 4-6 milliamperes
Trip Time: .025 seconds nominal
Frequency: 60 Hertz nominal
Voltage: 120 volts +10%, -15%
Max Interrupting Capacity: 2,000 amperes
Max Humidity: 95%
UL Class A

Marine Products
GFCI and Surge Protection Receptacles
Inside the Boat

The American Boat and Yacht Council recommends the use of ground fault protected receptacles in a head, galley, machinery space or on a weather deck. Refer to ABYC "Ground Fault Protection".

Ground Fault Circuit Interrupter (GFCI) Receptacles
These UL Listed receptacles have been designed to protect people from line-to-ground electrical shock hazards which may develop from faulty appliance, tools or defective portable cords. If a ground fault does occur and the leakage level exceeds 4 to 6 milliamperes, the GFCI unit quickly acts to protect the user by opening the circuit, thus interrupting the power supply and limiting the duration of any electrical current flow. After tripping, the receptacle is reset by pushing a button on its face. A test button allows the user to test that the GFCI is in working order.

Note: All Hubbell GFCI receptacles are in compliance with new UL 943 Mandate. GFCI receptacles will not protect against overloads or short circuits. Due to 2006 UL 943 revisions, Hubbell Marine Ground Fault Receptacles now come with an LED that will flash if the receptacle is no longer capable of providing GFCI protection. This can occur due to power surges and/or lightning in the area. The new design will also prevent power going to the face when mis-wired.

Hubbell's GFCI receptacles can be mounted on any standard 2.50 inch (63.5) deep box. A feed-thru feature provides protection not only at that receptacle but also at any other receptacle located downstream from it on the same circuit.

These devices meet the requirements of The National Electric Code (NEC) and American Boat and Yacht Council Standard and will accept locking fork terminals. Ground Fault Receptacles are also available for OEM applications. Devices rated for 15A and 20A are available in brown, ivory, gray and white. Consult factory for details.

Caution: Ground Fault Receptacles should not be mounted in locations exposed to salt spray nor in the engine room. For GFCI protection of such locations, downstream feeding from an internally located Ground Fault Receptacle is recommended.

GFCI Receptacles and Surge Suppression Receptacles

Description	Catalog Numbers
15A 125V brown GFCI duplex receptacle. Brown nylon wall plate included.	**GFR5252M**
Same as GFR5252M except receptacle and plate are ivory.	**GFR5252MI**
Same as GFR5252M except receptacle and plate are white.	**GFR5252MW**
Same as GFR5252M except receptacle and plate are gray.	**GFR5252MGY**
Gray PVC weatherproof lift cover for ground fault receptacles (such as GFR5252M series) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	**CWP26CR**
Same as CWP26CR except white.	**CWP26CRW**
Ivory duplex surge suppression receptacle with power on indicator light and damage-alert alarm beeper.	**HBL5262ISA**

Surge suppression receptacles 15A 125V AC Nominal. UL Listed at 400V voltage protection level. Suitable for ANSI/IEEE C 62.41-installation categories "A" (outlets and long branch circuits) and "B" (major feeders and short branch circuits). The Hubbell Surge Suppression Receptacle helps protect your electronic equipment from damage caused by transient voltages. The receptacle contains metal oxide varistors which dissipate the electrical energy of voltage spikes without interfering with normal operations.

GFR5252MW

Close-Up View of Open Terminals

CWP26CR

HBL5262ISA

Marine Products
Receptacles
15 and 20 Ampere, 125V AC

DR15WHITR

CR15   **DR15GRYWRTR**

CR15TR   **BR15IWR**

HBL5251   **HBL5361I**

HBL52CM62I   **HBL8200ILI**

Style Line® Decorator Receptacles

■ High-impact nylon face resists breaking, chipping and cracking.
■ Will accept locking fork terminal to comply with ABYC standards.
■ Available in 4 colors for any decor with matching wall plates.
■ Smooth, high-gloss finish for rich appearance.

Commercial Style Line® Decorator Series

Description	Color	Standard Duplex	Duplex Tamper Resistant	Duplex Weather and Tamper Resistant
15A 125V duplex receptacle.	Almond	DR15AL	DR15ALTR	DR15ALWRTR
	Black	DR15BLK	DR15BLKTR	DR15BLKWRTR
	Brown	DR15	DR15TR	DR15WRTR
	Gray	DR15GRY	DR15GRYTR	DR15GRYWRTR
	Ivory	DR15I	DR15ITR	DR15IWRTR
	Light Almond	DR15LA	DR15LATR	DR15LAWRTR
	Office White	DR15OW	–	–
	White	DR15WHI	DR15WHITR	DR15WHIWRTR

Commercial Series

Description	Color	Standard Duplex Spec Grade Side Wired	Duplex Tamper Resistant	Duplex Side and Back Wired, Weather and Tamper Resistant
15A 125V duplex receptacle.	Almond	CR15AL	CR15ALTR	BR15ALWRTR
	Black	CR15BLK	CR15BLKTR	BR15BLKWRTR
	Brown	CR15	CR15TR	BR15WRTR
	Gray	CR15GRY	CR15GRYTR	BR15GRYWRTR
	Ivory	CR15I	CR15ITR	BR15IWRTR
	Light Almond	CR15LA	CR15LATR	BR15LAWRTR
	Office White	CR15OW	–	–
	White	CR15WHI	CR15WHITR	BR15WHIWRTR

Notes: All devices above will accept locking fork terminal to comply with ABYC standards.
* Refer to Technical section X, page X-8 for TR and WR descriptions.

Extra Heavy Duty Single Receptacles

Description	Color	Catalog Numbers
15A 125V single receptacle.	Brown	HBL5251
	Ivory	HBL5251I
20A 125V single receptacle.	Brown	HBL5361
	Ivory	HBL5361I

Corrosion Resistant Receptacles

Description	Catalog Numbers
15A 125V yellow corrosion resistant duplex receptacle. Use where salt or other corrosive elements are a problem.	HBL52CM62
Same as HBL52CM62 except ivory.	HBL52CM62I

Special Application Illuminated Receptacle

Description	Catalog Numbers
Illuminated receptacle 15A 125V grounding. A high quality receptacle with an illuminated face. Ideal for use in halls or as a gentle night light.	HBL8200ILI

Marine Products
Switches and Weatherproof Switch Plates
15 and 20 Ampere, 120-277V AC

Commercial Series

Description	Handle Color	Catalog Numbers
15A single-pole toggle switch for controlling AC load from one point.	Almond	**CS115AL**
	Brown	**CS115**
	Gray	**CS115GY**
	Ivory	**CS115I**
	Light Almond	**CS115LA**
	Office White	**CS115OW**
	White	**CS115W**
15A three-way toggle switch for controlling AC load from two points.	Almond	**CS315AL**
	Brown	**CS315**
	Gray	**CS315GY**
	Ivory	**CS315I**
	Light Almond	**CS315LA**
	Office White	**CS315OW**
	White	**CS315W**

Note: All devices above will accept locking fork terminal to comply with ABYC standards.

CS115I

Special Application Series

Description	Catalog Numbers
20A 120V toggle switch with neon lamp set in ivory handle. Handle illuminates when switch is in "OFF" position.	**HBL1221IL**
20A 120V three-way toggle switch with illuminated ivory handle for controlling AC load from two points. Handle illuminates when "OFF".	**HBL1223IL**
20A 120V single-pole toggle switch with neon lamp set in clear red handle. Handle illuminates when switch is "ON". Serves as instant reminder that current is flowing to an appliance.	**HBL1221PL**
20A 120V three-way toggle switch for controlling AC load from two points. Red handle illuminates when "ON".	**HBL1223PL**
Single-pole PresSwitch® for controlling AC load from one point. Switch activated brown button.	**HBL1281**
Same as HBL1281 except ivory button.	**HBL1281I**
Three-way PresSwitch® for controlling AC load from two points. Switch activated brown button.	**HBL1283**†
Same as HBL1283 except ivory button.	**HBL1283I**†
Yellow neoprene weatherproof plate for use only with PresSwitches. PresSwitch button is activated when bubble is pressed. Not CSA.	**HBL17CM50**†
Clear silicone rubber weatherproof bubble plate for use with all AC toggle switches and PresSwitches. Also ideal for use with lighted handle toggle switches. Not CSA.	**HBL1795**

Note: †Not UL Listed.

HBL1221IL   **HBL1221PL**

HBL1281   **HBL1283**

HBL17CM50   **HBL1795**

Outlet Box

Description	Catalog Numbers
Plastic switch/receptacle box. Measures 3.281" x 2.188" x 2.50" (83.3 x 55.6 x 63.5) deep. For mounting in walls without studs. A support strap is provided which pulls box tightly against back side of wall. Not CSA.	**HBL6079**

HBL6079

Marine Products
Wallplates
Inside the Boat

IMPROVED DESIGN

- Nylon plates—virtually unbreakable.
- Rounded corners for stylish look.
- Reinforced ribs for extra strength.
- Screws are factory-inserted for fumble-free installation.

Description	Color	Smooth Nylon		Smooth Metal	
		Standard	Mid-Size	Material	Catalog Numbers
1-Gang, 1-Toggle	Black Brown Gray Ivory White	NP1BK NP1 NP1GY NP1I NP1W	NPJ1BK NPJ1 NPJ1GY NPJ1I NPJ1W	Brass Stainless Steel	SB1 SS1
1-Gang, 1-Duplex	Black Brown Gray Ivory White	NP8BK NP8 NP8GY NP8I NP8W	NPJ8BK NPJ8 NPJ8GY NPJ8I NPJ8W	Brass Stainless Steel	SB8 SS8
1-Gang, 1-Decorator	Black Brown Gray Ivory White	NP26BK NP26 NP26GY NP26I NP26W	NPJ26BK NPJ26 NPJ26GY NPJ26I NPJ26W	Brass Stainless Steel	SB26 SS26
2-Gang, 2-Toggle	Black Brown Gray Ivory White	NP2BK NP2 NP2GY NP2I NP2W	NPJ2BK NPJ2 NPJ2GY NPJ2I NPJ2W	Brass Stainless Steel	SB2 SS2
2-Gang, 2-Duplex	Black Brown Gray Ivory White	NP82BK NP82 NP82GY NP82I NP82W	NPJ82BK NPJ82 NPJ82GY NPJ82I NPJ82W	Brass Stainless Steel	SB82 SS82
2-Gang, 2-Decorator	Black Brown Gray Ivory White	NP262BK NP262 NP262GY NP262I NP262W	NPJ262BK NPJ262 NPJ262GY NPJ262I NPJ262W	Brass Stainless Steel	SB262 SS262
2-Gang, 1-Toggle, 1-Duplex	Black Brown Gray Ivory White	NP18BK NP18 NP18GY NP18I NP18W	NPJ18BK NPJ18 NPJ18GY NPJ18I NPJ18W	Brass Stainless Steel	SB18 SS18
2-Gang, 1-Toggle, 1-Decorator	Black Brown Gray Ivory White	NP126BK NP126 NP126GY NP126I NP126W	NPJ126BK NPJ126 NPJ126GY NPJ126I NPJ126W	Brass Stainless Steel	SB126 SS126
1-Gang, 1-Single 1.40" Dia. Hole	Black Brown Gray Ivory White	NP7BK NP7 NP7GY NP7I NP7W	NPJ7BK NPJ7 NPJ7GY NPJ7I NPJ7W	Brass Stainless Steel	SB7 SS7
1-Gang, 1-Blank, Box Mount	Black Brown Gray Ivory White	NP13BK NP13 NP13GY NP13I NP13W	NPJ13BK NPJ13 NPJ13GY NPJ13I NPJ13W	Brass Stainless Steel	SB13 SS13

Marine Products
Communication Frames and Connectors

NEW

Hubbell now offers the ability to put 2 or 3 communication devices in a single, Style Line® plate.

Any combination of phone (6-position jack), cable TV (F-type connector) and Category 5e modular data jacks can be assembled onto a 2-port or 3-port frame—each sold individually so you can customize them as needed. Or the highly popular phone and cable TV combination is available with the frame and matching wallplate under a single catalog number, in all the popular colors.

Finally—a single communications plate that can take the place of 2 or 3 plates—available from a company you can trust for superior quality.

Hubbell's Marine communication frames and connectors deliver high quality data and multimedia transmission to the point of connection. Hubbell's 2 and 3 port Style Line frames and leading edge connections allow for customized configurations. Install Hubbell's Marine communication offering and be assured a reliable connection.

2 Port Communication Frame, Fully Loaded (6-Position Phone Jack, F-Type Cable TV Jack and Style Line® Plate Included)

Color	No. of Ports	Connection Type	Catalog Numbers
Ivory	2	USOC, F-Type	**NS783I**
White	2	USOC, F-Type	**NS783W**

NS783I

Style Line® Frames, 2 Port and 3 Port Unloaded

Color	No. of Ports	Connection Type	Catalog Numbers
Black	2	–	**NS612BK**
Gray	2	–	**NS612GY**
Ivory	2	–	**NS612I**
White	2	–	**NS612W**
Black	3	–	**NS613BK**
Gray	3	–	**NS613GY**
Ivory	3	–	**NS613I**
White	3	–	**NS613W**

NS612I

NS613I

Category 6 Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Numbers
Black	T568A/T568B	8-Positions	**NSJ6BK**
Gray	T568A/T568B	8-Positions	**NSJ6GY**
Ivory	T568A/T568B	8-Positions	**NSJ6I**
White	T568A/T568B	8-Positions	**NSJ6W**

NSJ6W

Category 5e Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Numbers
Black	T568A/T568B	8-Positions	**NSJ5EBK**
Gray	T568A/T568B	8-Positions	**NSJ5EGY**
Ivory	T568A/T568B	8-Positions	**NSJ5EI**
White	T568A/T568B	8-Positions	**NSJ5EW**

NSJ5EW

USOC Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Numbers
Black	USOC	6-Positions	**NSJUBK**
Gray	USOC	6-Positions	**NSJUGY**
Ivory	USOC	6-Positions	**NSJUI**
White	USOC	6-Positions	**NSJUW**

NSJUW

F-Type Connector Keystone

Color	Catalog Numbers
Black	**SFFGBK**
Gray	**SFFGGY**
Ivory	**SFFGEI**
White	**SFFGW**

SFFGEI

Marine Products
Boatyard Accessory Items
Marine Grade Outlet Box Hoods

IP66
SUITABILITY

RW57500

RW57600

RW57950

Marine Grade Outlet Box Hoods

Description	Color	Mounting	Catalog Numbers
Standard Cover, 1-Gang, For Duplex, GFCI, Toggle and Single Receptacles, Diameter 1.34, 1.40, 1.60, 1.72, 2.03 and 2.15 inch	Gray	Horizontal or Vertical	**RW57500**
Deep Cover, 1-Gang, For Duplex, GFCI, Toggle and Single Receptacles, Diameter 1.34, 1.40, 1.60, 1.72, 2.03 and 2.15 inch	Gray	Horizontal or Vertical	**RW57600**
Deep Cover, 2-Gang, For Single Receptacles, Diameter 1.34, 1.40, 1.60, 1.72, 2.03 and 2.15 inch	Gray	Vertical	**RW57950**

Nylon Watertight Strain Relief Cord Connectors

These Hubbell nylon cord connectors provide strain relief and a watertight seal where cable enters a piece of equipment, panel, or box. A patented GOTCHA® ring, with a split and hinge design, allows for better adjustment to the cord as the connector nut is tightened, providing superior cord gripping compared to other types. A soft neoprene bushing compresses to keep liquids out and allows the nut to be easily tightened.

HBL6085

HBL10CM22S

Description	Catalog Numbers
A gray male PVC adapter with ¾ in. N.P.T. pipe thread for adapting PVC conduit to FS and FD boxes with ¾ in. N.P.T. hub (HBL6080, HBL6080OS, HBL60CM83). Not UL Listed.	**HBL6085**
Straight nylon cord connector, ½ in. N.P.T. hub size, diameter range .25–.38 in. (6.4–9.5).	**HBL10CM22S**
Straight nylon cord connector, ½ in. N.P.T. hub size, diameter range .38–.50 in. (9.5–12.7).	**HBL10CM23S**
Straight nylon cord connector, ¾ in. N.P.T. hub size, diameter range .38–.50 in. (9.5–12.7).	**HBL10CM35S**
Straight nylon cord connector, ¾ in. N.P.T. hub size, diameter range .50–.63 in. (12.7–15.9).	**HBL10CM36S**
Straight nylon cord connector, ¾" N.P.T. hub size, diameter range .63–.75 in. (15.9-19.1).	**HBL10CM37S**
Straight nylon cord connector, 1.0 in. N.P.T. hub size, diameter range .63–.75 in. (15.9-19.1).	**HBL10CM41S**

Marine Products
Boatyard Accessory Items
Marine Grade Lift Covers

Marine Grade Weatherproof Plates

Description	Catalog Numbers
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20** SUITABILITY.	**HBL52CM21**
Same as HBL52CM21 except white in color.	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	**HBL74CM23WO**
Same as HBL74CM23WO except gray in color.	**HBL7423WO**
Yellow Valox spring-loaded lift cover for weatherproofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	**HBL74CM24WO**
Same as HBL74CM24WO except gray in color.	**HBL7424WO**
Yellow Valox spring-loaded lift cover for weatherproofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	**HBL74CM25WOA**
Same as HBL74CM25WOA except white in color.	**HBL74CM25WOAW**
Same as HBL74CM25WOA except gray in color.	**HBL7425WOA**
Yellow Valox lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color.	**HBL7774WO**

HBL52CM21

HBL74CM23WO

HBL77CM74WO

CWP1CR

CWP8CR

CWP26CR

Commercial Grade Weatherproof Plates
Available in a host of configurations—Twist-Lock® and straight blade receptacles in single or duplex as well as switches—these plates are perfect for marine use. The PVC resists deterioration over time and has high tensile and impact strength. Each plate comes with a tightly sealing, rubberized gasket and a super strong lift cover spring.

Commercial Grade Weatherproof Plates

Description	Catalog Numbers
Gray PVC weatherproof lift cover for toggle switches (such as CS115). For vertical mounting in standard or FS/FD type boxes.	**CWP1CR**
Gray PVC weatherproof lift cover for duplex receptacles (such as HBL52CM62). For vertical mounting in standard or FS/FD type boxes.	**CWP8CR**
Gray PVC weatherproof lift cover for ground fault receptacles (such as GF5252MGYA) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	**CWP26CR**
Same as CWP26CR except white in color.	**CWP26CRW**

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Marine Products
Boatyard Accessory Items
Marine Grade Dockside Boxes and Covers

HBL6080

HBL60CM83

HBL60CM84

Marine Grade Dockside Boxes and Covers

Description	Catalog Numbers
Black phenolic type FD (deep) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 3.25 in. D (115.9H x 74.6W x 82.6D) and has 22 cubic inch capacity.	**HBL6080**
Yellow fiberglass type FD (deep) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 3.25 in. D (115.9H x 74.6W x 82.6D) and has 22 cubic inch capacity.	**HBL60CM83**
Yellow fiberglass type FD box same as HBL60CM83 - except has two 1.0 inch (25.4) I.P.S. molded-in knockouts.	**HBL60CM84**
Black phenolic type FS (shallow) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 2.19 in. D (115.9H x 74.6W x 55.6D) and has 16 cubic inch capacity.	**HBL6080OS**
Black non-metallic FS box with ¾ in. threaded hubs used for mounting phone and TV outlets and PH6595 recreational vehicle inlet (see PH6621 for mounting box on recreational vehicle). Cord connector included for strain relief and to maintain watertight integrity of box when cable is used. PVC adapter also included for connection of PVC conduit to box.	**PH6619**
Black phenolic junction box with four ¾ in. (19.1) I.P.S. molded-in knock-outs. Has 4.13 in. (104.8) diameter and is 1.88 in. (47.6) deep.	**HBL6081**
Phenolic blank cover, ¼ in. (6.4) thick, for HBL6081 box.	**HBL6082**
Black phenolic blank cover plate for HBL6080OS.	**HBL6087**
Yellow Valox® blank cover plate for use with FS and FD type boxes.	**HBL60CM88**

HBL6080OS

HBL6081

**HBL6087
HBL60CM88**

PH6619

HBL6082

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Boatyard Accessory Items
Lighting and Lighting Fixtures

NVX15GHGA

Non-Metallic Vapor-tight Incandescent Fixtures
These non-metallic, vapor-tight incandescent fixtures offer long life and trouble-free lighting in wet locations in marinas and on boats. Some features of these new units are:

- UV resistant, gray, glass filled thermoplastic polyester box, mounting adapters and globe guards resists abuse and harmful effects of the elements.
- Excellent temperature operating range of -40°F (-40°C) to +302°F (150°) for use in areas with wide temperature variations or extreme ambient temperatures.
- High temperature silicone gasketing maintains integrity and molded threads for ease of installation/removal.
- Heat resistant glass globe withstands thermal shock in wet locations and has thread type mounting to assure weathertight sealing.
- High strength protective globe guard helps prevent accidental globe and lamp breakage.
- Accommodates Type A incandescent lamps up to 150 watts.
- UL 1598 Standard for luminaries.
- UL 1598A Marine type luminaries.

NVA15GHGA

Lighting and Lighting Fixtures

Description	Catalog Numbers
Ceiling mount non-metallic, vapor-tight incandescent luminaries including the fixture, mounting box, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	**NVX15GHGA**
Pendant mount non-metallic, vapor-tight incandescent luminaries including fixture, mounting cap, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	**NVA15GHGA**
Wall mount bracket only to adapt NVX15GHGA ceiling mount fixture to a wall mount fixture. Order NVBA and NVX15GHGA to get wall mount fixture.	**NVBA**
Replacement guard to NVX15GHGA and NVA15GHGA.	**NVGA**
Heat resistant replacement globe for NVX15GHGA and NVA15GHGA. Made of tempered glass.	**VCGP100**

NVBA

Marine Products
Electrical Standards

Codes and Specifications

ABYC Standard, July 2001, Excerpts.

8.4   DEFINITIONS – For the purposes of this standard, the following definitions apply.

Ground fault circuit interrupter (GFCI) – A device intended for the protection of personnel that functions to de-energize a circuit, or portion thereof, within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit.

Watertight – So constructed that water will not enter the enclosure under the test conditions specified in NEMA standard 250.

Weatherproof – Constructed or protected so that exposure to the weather will not interfere with successful operation.

8.12   GROUND FAULT PROTECTION

8.12.1   If installed, a ground fault protector (GFP) shall only be used to protect equipment.
NOTE: A ground fault circuit interrupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel and equipment.

8.12.2   GFCI and GFP breakers shall meet the requirements of Underwriters Laboratories standard UL 943, Ground Fault Circuit Interrupters, and the requirements of UL 489, Molded Case Circuit Protectors for Circuit Breaker Enclosures.

8.12.3   GFCI and GFP breakers may be installed as panelboard feeder breakers to protect all associated circuits or in individual branch circuits.

8.12.4   Single-pole GFCI and GFP breakers shall only be used if:

8.12.4.1   the single phase 120 volt system has a polarity indicator, or

8.12.4.2   the system uses either a polarization transformer, or the system is 120/240 volts.

8.12.5   GFCI receptacle devices shall meet the requirements of Underwriters Laboratories standard UL 943, Ground Fault circuit Interrupters, and the requirements of UL 498, Electrical Attachment Plugs and Receptacles.

8.12.6   GFCI receptacle devices may be installed as part of a convenience outlet installation either in single outlet applications or in multiple feed through installations. See ABYC E-8.17.8.

NOTE: Isolation transformer primary main breakers – GFP breakers may be installed as the main breaker on the primary side of isolation transformers. See E-8.23, Diagram 8 and Diagram 11. This GFP breaker will provide ground fault protection only for the primary winding of the transformer. Protection for circuits supplied by the secondary winding of the transformer may be provided in accordance with ABYC E-8.11.4, E-8.11.5, E-8.11.6.3, and E-8.12.4.

8.16   SWITCHES

8.16.1   Switches used in branch circuits shall simultaneously open all ungrounded conductor(s) of the branch circuit.

8.16.2   Switches shall have voltage ratings not less than the system voltage, current ratings not less than the connected load, and shall be rated for the type of load, i.e., inductive or resistive.

8.17   RECEPTACLES

8.17.1   Receptacles shall be installed in boxes that meet the requirements of UL 514A, Metallic Outlet Boxes, or 514C, Nonmetallic Outlet Boxes, Flush Device Boxes and Covers 514.D Cover plates for flush mounted wiring devices.

8.17.2   Receptacles shall be of the grounding type with a terminal provided for the grounding (green) conductor as shown in Figure 10 and Figure 11.

8.17.3   Receptacles and matching plugs used on AC systems shall not be interchangeable with receptacles and matching plugs used on DC systems.

8.17.4   Power wiring for receptacles shall be connected so that the grounded (white) conductor attaches to the terminal identified by the word "white" or a light color (normally white or silver). The ungrounded conductors(s) shall be attached to the terminal(s) identified by a dark color (normally brass or copper) and, optionally, the letters X, Y, and Z or L1, L2, and L3.

8.17.5   A branch circuit supplying a combination of receptacle loads and permanently connected loads shall not supply fixed loads in excess of the following:

8.17.5.1   600 watts for a 15 ampere circuit;

8.17.5.2   1000 watts for a 20 ampere circuit.

NOTE: Refer to E-8.18.5 for load calculations.

8.17.6   Receptacles shall be installed in locations not normally subject to rain, spray, or flooding, but, if receptacles are used in such areas, the following shall apply:

8.17.6.1   Receptacles installed in locations subject to rain, spray, or splash shall be weatherproof as may be provided by a spring loaded, self closing cover.

8.17.6.2   Receptacles installed in areas subject to flooding or momentary submersion shall be of a watertight design as may be provided by a threaded, gasketed cover.

8.17.7   Receptacles provided for the galley shall be located so appliance cords can be plugged in without crossing a traffic area, galley stove, or sink.

8.17.8   If installed in a head, galley, machinery space, or on a weather deck, the receptacle shall be protected by a Type A (nominal 4-6 milliamperes) Ground Fault Circuit Interrupter (GFCI). See ABYC E-8.12.

NOTE: GFCI receptacle devices are not necessarily ignition protected per ABYC E-8.9.1.

8.22   SHORE POWER SUPPLY

8.22.1   Power Inlet – The receptacle, or receptacles, installed to receive a connecting cable to carry AC shore power aboard shall be a male type connector.

8.22.1.1   Power inlets installed in locations subject to rain, spray, or splash shall be weatherproof whether or not in use.

8.22.1.2   Power inlets installed in areas subject to flooding or momentary submersion shall be of a watertight design whether or not in use.

8.22.1.3   Metallic power inlets installed on metallic boats using an isolation transformer or a galvanic isolator shall be insulated from metallic structure and components. On nonmetallic boats using an isolation transformer or a galvanic isolator the power inlet shall be insulated from metallic components connected to the boat's ground.

8.22.2   Shore Power Cable – On each boat equipped with an AC shore power system, a shore power cable that contains the conductors for the power circuit and a grounding (green) conductor shall be provided.

8.22.2.1   Except where the shore power cable is permanently connected to the boat, the boat end of this cable shall be terminated with a locking and grounding female type connector to match the boat power inlet. See Figure 11 and Figure 12.

8.22.2.2   The shore power cable shall be flexible cord with the minimum properties of Type SO, ST, STO, SEO, or STOOW, and shall be suitable for outdoor use. The shore connection end of this cable shall be fitted with a locking and grounding type plug with the required number of poles and shall comply with the National Electrical Code. See Figure 11 or Figure 12 and Appendix AP Table 2.

Section X
General Technical Data

Index

Certification Agencies and Markings

Circuit Wiring Diagrams

10-20R 10-30R 10-50R

Electrical Symbols and Abbreviations

Push Button		Buzzer
Bell		Annunciator
Outside telephone		
Interconnecting telephone		
Telephone switchboard		
Bell ringing transformer		
Electric door opener		
Fire alarm bell		
City fire alarm station		

Horsepower Rating Tables

Catalog Number	A/C Voltage Rating	HP Rating
HBL420R9W	3Ø250	2
HBL420R7W	3Ø480	5
HBL420R5W	3Ø600	7-1/2
HBL520R9W	3ØY 120/208	1/2
HBL520R7W	3ØY 277/480	5
HBL520R5W	3ØY 347/600	7-1/2
HBL430R9W	3Ø250	3
HBL430R7W	3Ø480	7-1/2
HBL430R5W	3Ø600	10
HBL530R9W	3ØY 120/208	2
HBL530R7W	3ØY 277/480	7-1/2
HBL530R5W	3ØY 347/600	10

Technical Data
Industry Standards – Wiring Device Standards

Standards of many types developed by and for our industry form a vital consideration in the design of our products. The following pages in this section briefly describe the functions of the organizations producing the standards which influence the safety and design of wiring devices.

The American Boat & Yacht Council Inc. (ABYC) is a not-for-profit membership organization that has been developing and updating the safety standards for boat building and repair for over 50 years. ABYC is actively involved with the International Organization for Standardization (ISO) and is a leader in education for the marine industry, as well as certification programs for marine technicians. ABYC's membership includes boat builders, boat owners, surveyors, boat yards, insurance companies, law firms, trade associations, marinas, dealerships, government agencies, educational institutions and equipment and accessory manufacturers. Over 400 volunteers donate time, expertise, and research while serving on technical committees, which develop and revise the ABYC standards and technical information reports. We ensure quality and professionalism in each of ABYC's services.

Underwriters Laboratories Inc. (UL)
A not-for-profit corporation, operating as a testing facility and a developer of safety standards. By its own definition, Underwriters Laboratories defines itself as follows: "Underwriters Laboratories Inc. founded in 1894, is chartered as a not-for-profit organization without capital stock, under the laws of the state of Delaware to establish, maintain, and operate laboratories for the examination and testing of devices, systems and materials to determine their relation to hazards to life and property."
UL tests products for paying "clients" and if the product submitted passes the requirements of the UL standard for which it is submitted, a UL "Listing" is granted which allows the manufacturer to use the UL manifest or "Label" on its products. It is important to remember that UL is not an approval agency. It approves nothing, but merely lists a product as meeting minimum standards for safety. The Underwriters "Listing" mark on a product is generally accepted by the public and government agencies as evidence of a "safe" product, not necessarily a "quality" product.

The Canadian Standards Association (CSA) performs a function for manufacturers similar to that performed in the USA by Underwriters Laboratories Inc. (UL) and National Fire Protection Association (NFPA). Canadian Standards Association develops standards for electrical products which parallel UL standards in many aspects but are not always identical. CSA international tests products and grants paying clients "Certification" that their products meet CSA standards. Canadian Standards Association also sponsors the Canadian Electrical Code (CEC).

American National Standards Institute, Inc. (ANSI) as the voice of the U.S. standards and conformity assessment system, the American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy while helping to assure the safety and health of consumers and the protection of the environment.

The Institute oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards – including globally-recognized cross-sector programs such as the ISO 9000 (quality) and ISO 14000 (environmental) management systems.

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes international standards for all electrical, electronic and related technologies. These serve as a basis for national standardization and as references when drafting international tenders and contracts. Through its members, the IEC promotes international cooperation on all questions of electrotechnical standardization and related matters, such as the assessment of conformity to standards, in the fields of electricity, electronics and related technologies.

IEC's international standards facilitate world trade by removing technical barriers to trade, leading to new markets and economic growth. Put simply, a component or system manufactured to IEC standards and manufactured in country A can be sold and used in countries B through to Z. IEC's standards are vital since they also represent the core of the World Trade Organization's Agreement on Technical Barriers to Trade (TBT), whose 100-plus central government members explicitly recognize that international standards play a critical role in improving industrial efficiency and developing world trade.

HUBBELL **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Technical Data
Industry Standards – Wiring Device Standards

The National Electrical Code (NEC®)
The NEC is developed by NFPA's Committee on the National Electrical Code, which consists of 20 Code-Making Panels and a Technical Correlating Committee. Work on the NEC is sponsored by the National Fire Protection Association (NFPA). The NEC is approved as an American National Standard by the American National Standards Institute (ANSI). It is formally identified as ANSI/NFPA 70.

First published in 1897, the NEC is updated and published every three years. As of 2007, the 2005 NEC is the latest edition. The 2008 edition will be published in September 2007. Most states adopt the most recent edition within a couple of years of its publication. As with any "uniform" code, a few jurisdictions regularly omit or modify some sections, or add their own requirements (sometimes based upon earlier versions of the NEC, or locally accepted practices). However, the NEC is the least amended model code, even with it setting minimum standards. No court has faulted anyone for using the latest version of the NEC, even when the local code was not updated.

National Electrical Manufacturers Association (NEMA®) An organization of over 450 manufacturers of electrical equipment, including, but not limited to, wiring devices, wire and cable, conduit, load centers, pressure wire connectors, circuit breakers, fuses, etc. NEMA is the "voice" of the electrical industry, and through it standards for electrical.

Generally these standards promote interchangeability between products of one manufacturer with like products made by another manufacturer. In some cases, standards relating to product "performance" are also formulated by NEMA but these are the exception rather than the rule.

NEMA standards are not compulsory, but generally are accepted by those manufacturers that help to write them as a way of making their products more saleable and acceptable. However, many NEMA standards, such as ANSI/NEMA WDL, are approved by the American Standards Institute and referenced by mandatory UL and CSA product standards. NEMA standards are utilized by many consumers in writing specifications for the materials they purchase.

General Services Administration Federal Supply Service (GSA) Federal Supply Service (FSS) provides federal customers with the products, services, and programs to meet their supply, service, procurement, vehicle purchasing and leasing, travel and transportation, and personal property management requirements. Hubbell offers devices listed by UL as FED SPEC and can be found throughout this catalog.

Occupational Safety and Health Administration (OSHA) is a branch of the US Department of Labor which was created to assure safe and healthful working conditions for working men and women. OSHA uses regulations from the Federal Register, NFPA and the National Electric Code to establish and enforce safety standards for the workplace. It is important to note: OSHA does NOT approve products. OSHA enforces existing safety regulations.

Canadian Electrical Code, Part I (CEC)
The CEC is developed by the Committee on CE Code, Part I, composed of 41 members representing inspection authorities, manufacturing and utilizing industries, utilities and allied interests. The Committee meets annually toaddress reports submitted by 42 Section subcommittees. Work on CE Code, Part I is sponsored by Canadian Standards Association. CSA standards comprise the Canadian Electrical Code, Part II.

First published in 1927, the CE Code, Part I, is updated and puplished every four years. The 2006 CE Code, Part I, is the latest edition. As with any "uniform" code, provinces and a few jurisdictions regularly modify or add their own requirements.

Technical Data
Certification Agencies and Markings

Understanding Certification Marks:

Certification marks vary significantly with respect to testing required to achieve a particular mark. In some cases, (i.e.: Specification Grade), no outside certification agency is involved. The manufacturer decides which of their products they wish to be so identified. The following table for 15 and 20A Straight Blade receptacles demonstrates these wide differences. The understanding of these marks permits the user/specifier to make more meaningful product selections.

Understanding Product Certification Marks - 15 & 20 Amp Straight Blade Receptacles
Products that carry certification marks must meet the specific testing standards indicated

Certification Mark	Description	UL 498	CSA, C22.2 No. 42	UL 498 Hospital Grade	CSA, C22.2 No. 42 M Hospital Grade	DESC WC596
Spec Grade*	Self Certified, No Testing Required- Advertising/Trade Name					
**ℝU® cℝU® **	Used on recognized component parts that are part of a Listed product or system intended for the United States. Component "C" intended for Canada. Recognized components are intended for installation by Original Equipment Manufacturers (OEMs) within their Listed, and are not accepted by electrical inspectors for general-use field installations.	X				
**cℝU®US **	Used on recognized component parts that are part of a Listed product or system intended for the United States and Canada. Recognized components are intended for installation by Original Equipment Manufacturers (OEMs) within their Listed, and are not accepted by electrical inspectors for general-use field installations.	X				
ULLISTED SP®US	Products found with this mark means Underwriters Laboratory or CSA International found that representative samples of this product met Underwriters Laboratory's published Standards for Safety intended for the US market.	X				
SP® cUL	Products found with this mark are certified primarily for the Canadian market.		X			
cULus cSP®us	Products intended for US and Canada.	X	X			
UL • Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.	X		X		
SP® • Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.		X		X	
F UL S Fed.Spec.	In addition to complying with general use grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X				X
F UL S Fed.Spec. • Hospital Grade	In addition to complying with general use and hospital grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X		X		X

Includes such variation as Premium Spec, Super Spec, etc.
** End Product test also required.*

Cross Reference Note:

Recognize that cross reference guides supplied by some manufacturers should be used only to determine compatible devices (rating and configuration). It does not, in any way, deal with performance levels (which will vary widely by manufacturer). Common catalog numbers are often used for convenience of selection. The use of the same catalog number is solely the discretion of the manufacturer. It in no way implies compliance to any standard or testing criteria.

Technical Data
Industry Associations, Organizations and Standards

For convenience, the following listings define common acronyms for a variety of organizations.

Standards Development Organizations: Organizations primarily involved in the development and/or promulgation of standards.

ANSI	American National Standards Institute.
CANENA	Consejo de Armonizacion de los Naciones de America.
IEC	International Electrotechnical Commission.
IEEE	Institute of Electrical & Electronics Engineers, Inc.
ISA	The Instrumentation, Systems and Automation Society.
ISO	International Organization for Standardization.
LEEDS	Leadership in Energy and Environmental Design.
NFPA	National Fire Protection Association, Inc.
SAE	Society of Automotive Engineers.
SME	Society of Manufacturing Engineers.
USBC	United States Green Building Council.

Installation Codes

CEC Part I	Canadian Electrical Code, Part I.
NEC	National Electrical Code.
NOM-01	Normas Oficiales Mexicanas -01 (Mexican Electrical Code).

Industry Associations: Associations of companies or individuals for the purpose of standardization, trade, and professional development, etc.

ABYC	American Boat and Yacht Council.
ASTM	American Society for Testing and Materials.
BICSI	Building Industry Consulting Services International.
BOMA	Building Owner Management Association.
CANAME	Camara Nacional de Manufacturas Electricas.
CEMRA	Canadian Electrical Manufacturers Representative Association.
ECOC	Electrical Contractors of Canada.
EF-C	Electro-Federation-Canada.
EIA	Electronic Industries Alliance.
EPRI	Electric Power Research Institute.
IAEI	International Association of Electrical Inspectors.
IECI	Independent Electrical Contractors Association.
IFMA	International Facilities Management Association.
NAED	National Association of Electrical Distributors.
NAW	National Association of Wholesalers.
NECA	National Electrical Contractors Association.
NEMA	National Electrical Manufacturers Association.
NEMRA	National Electrical Manufacturers Representatives Association.
NMDA	National Marine Distributor Association.
NMRA	National Marine Representative Association.
SEMI	Semi Conductor Equipment and Material International.
TIA	Telecommunication Industry Association.

Technical Data
Codes and Standards Organizations
Addresses

For convenience, the following listings define common acronyms for a variety of organizations.

Certification Agencies: Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.

ANCE	National Association of Normalization and Certification of the Electrical Sector.
BSI	British Standards Institute.
CE	Self Certification Marking of European Community.
CCC	China Compulsory Certification.
CSA	Canadian Standards Association or CSA International.
FM	Factory Mutual.
NRTL	Nationally Recognized (by OSHA) Testing Laboratory.
TÜV	TÜV Rheinland of N.A., Inc.
UL	Underwriters Laboratories Inc.
VDE	Verband Deutscher Elektrotechniker (Germany).

Note: Hubbell products are in the process of being certified in Mexico. Many have already been certified. Consult with the factory for specific data.

Government Agencies

DSCC	Defense Supply Center – Columbus.
EU	European Union.
FCC	Federal Communications Commission.
IAPA	Industrial Accident & Prevention Association (Canada).
OSHA	Occupational Safety and Health Administration.

Copies of standards referred to on the preceding pages may be purchased from the following:

American Boat & Yacht Council, Inc. (ABYC)
613 Third Street, Suite 10
Annapolis, MD 21403

The American National Standards Institute (ANSI)
25 West 43rd Street,
(between 5th and
6th Avenues), 4 floor
New York, NY 10036

or
1819 L Street, NW
(between 18th and
19th Streets), 6th floor
Washington, DC 20036

Canadian Standards Association (CSA)
5060 Spectrum Way
Mississauga, Ontario
L4W 5N6
CANADA

National Electrical Manufacturers Association (NEMA)
1300 North 17th Street
Suite 1752
Rosslyn, VA 22209

National Fire Protection Association (NFPA)
1 Batterymarch Park
Quincy, MA
USA 02169-7471

The International Electro-technical Commission (IEC)
IEC Central Office
3, rue de Varembé
P.O. Box 131
CH - 1211 GENEVA 20
Switzerland

Asociacion Nacional de Normalizacion y Certificacion del Sector Electrico A.C. (NOM – ANCE)
Ibsen No.13, Colonia Chapultepec
Polanco,
C.P.11560 México, D.F.,
Conmutador 5280-6775

Occupational Safety and Health Administration (OSHA)
Occupational Safety & Health Administration
200 Constitution Avenue, NW
Washington, DC 20210

Underwriters Laboratories Inc. (UL)
Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096 USA

Technical Data
AC Switch Data and Horsepower Explanation

AC Test Requirements

When AC general use switches were considered by the industry and Underwriters' Laboratories, Inc. thought was given to the ratings and it was decided to rate the switches in accordance with NEC branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating.

Underwriters' Laboratories and Canadian Standards Association Test requirements for AC General Use Switches

In order to be listed by Underwriters' Laboratories, Inc. and certified by CSA International, all 15, 20 and 30 amperes AC 120/277V switches must perform, without failure, the following sequence of tests.

1. An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches at 6-10 cycles per minute.

2. 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 18-24 cycles per minute.

3. 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.

4. 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load at 6-10 cycles per minute.

5. Temperature rise at test-rated load. In this test, temperature rise must not exceed 30 degrees C.

6. A switch shall withstand, without breakdown, 1500 volts for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

Explanation of "Horsepower" Ratings

Manual motor controllers marked with Horsepower Ratings are suitable for controlling the Motor Loads of the H-P ratings shown on the manual motor controllers as well as for lower H-P ratings.

To qualify for an H-P rating, a manual motor controllers is tested at (6) six times the full load Motor Current corresponding to the H-P rating marked on the switch. (For D-C Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the DC H-P rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on (6) six samples. For ¾ H-P 120 volts-240 volts AC rating, (2) two sets of (6) six samples each are tested in addition to the regular overload endurance, heating and insulation tests. The test circuit characteristics are:

	For ¾ H-P 120V AC	For ¾ H-P 240V AC
Closed Circuit Volts	120 volts AC	240 volts AC
Current	82.8 amps	41.4 amps
Power Factor	0.40-0.50	0.40-0.50

Note: Current at 240V AC is 1/2 that at 120V AC

All manual motor controllers must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to the ground (the manual motor controller frames are grounded during the stalled rotor test).

Technical Data
RoHS, TR, WR and IP Meanings

RoHS - Restriction of Hazardous Substances

This EU Directive, 2002/95/EC, prohibits the use of mercury, cadmium, lead, chromium VI, PBB (polybromi-nated biphenyls) and PBDE (polybrominated diphenyl ethers) in certain electrical products. The regulatory maximums for these items are 0.01%, by weight, for cadmium and 0.1%, by weight, for the other five items in each "homogenous unit" contained within that product. There are certain exemptions available from the RoHS requirements.

Tamper Resistant Receptacles

Per the 2008 National Electrical Code (NEC®) Article 406.11; All 125 volt, 15 and 20 amp receptacles in dwelling units shall be a listed tamper resistant type. Dwelling units are defined as a single unit, providing complete and independent living facilities for one or more persons, including permanent provisions for living, sleeping, cooking and sanitation. Listed devices are required to have a TR marking on the face visible when installed without a cover plate.

Weather Resistant Receptacles

Per the 2008 National Electrical Code (NEC®) Article 406.8; All 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.

Elements of the IP Code and Their Meanings - *In Accordance with Standard IEC 60529*

IP Suitability Ratings are a system for classifying the degree of ingress protection provided by enclosures of electrical equipment. Generally, The higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment.

Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion

Meaning for the Protection of Equipment

Code Letters	First Number	Second Number
Ingress Protection	Against Ingress of Solid Foreign Objects	Against Ingress of Water with Harmful Effects
IP	0 – Non-protected 1 ≥ 50mm diameter 2 ≥ 12.5mm diameter 3 ≥ 2.5mm diameter 4 ≥ 1.0mm diameter 5 – Dust-protected 6 – Dust-tight	0 – Non-protected 1 – Vertically dripping 2 – Dripping (15 Tilted) 3 – Spraying 4 – Splashing 5 – Jetting 6 – Power jetting 7 – Temporary immersion 8 – Continuous immersion

The numerals stand for the following:

1. First Numeral: degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.

2. Second Numeral: degree of protection of equipment inside enclosures against damage from the ingress of water.

Note: ≥ Denotes greater than or equal to.

Technical Data
NEMA and IEC Classifications
Enclosures

Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations

IEC Publication 60529 Classification of Degrees of Protection Provided by Enclosures provides a system for specifying the enclosures of electrical equipment on the basis of the degree of protection provided by the enclosure. IEC 60529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus, or vermin. NEMA Standards Publication 250 does test for environmental condition such as corrosion, rust, icing, oil, and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason the table cannot be used to convert from IEC Classifications to NEMA Types.

Conversion of NEMA Type Numbers to IEC Classification Designations
(Cannot be used to convert IEC classification designations to NEMA type numbers)

NEMA Enclosure Type Number	IEC Enclosure Classification Designation	Basic Description
1	IP10	General Purpose
2	IP11	Dripproof- Indoor
3	IP54	Dusttight, Raintight and Sleet (Ice) Resistant- Outdoor
3R	IP14	Rainproof and Sleet (Ice) Resistant- Outdoor
3S	IP54	Dusttight, Raintight and Sleet (ice) Proof- Outdoor
4	IP56	Watertight and Dusttight- Indoor and Outdoor
4X	IP56	Watertight, Dusttight and Corrosion-Resistant - Indoor and Outdoor
5	IP52	Superseded by Type 12 for Control Apparatus
6	IP67	Submersible, Watertight, Dusttight and Sleet (Ice) Resistant- Indoor and Outdoor
12	IP52	Industrial Use, Dusttight and Driptight- Indoor
12K	IP52	Industrial Use, Dusttight and Driptight with Knockouts- Indoor
13	IP54	Oiltight and Dusttight- Indoor

Note: Reference Page X-8 for explanation of "IP" suitability ratings.

Technical Data
Enclosure Types for Non-Hazardous Locations

	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50 Standard for Enclosures for Electrical Equipment	CAN/CSA C22.2 No. 94 Special Purpose Enclosures
Designation	**Intended Use and Description**	**Intended Use and Description**	**Intended Use and Description**
Definition	An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosure - A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosures…provide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment, against specified environmental conditions.
Type 1	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt.	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	No CSA equivalent.
Type 2	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment, to provide a degree of protection against falling dirt, and to provide a degree of protection against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids, and falling dirt.
Type 3	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and wind blown dust; undamaged by the external formation of ice on the enclosure.
Type 3R	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, and snow, and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure.
Type 3S	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and in which the external mechanism(s) remain operable when ice laden.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust, the external mechanism(s) remain operable while ice covered.
Type 4	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water, and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water, undamaged by the external formation of ice on the enclosure; resists corrosion.

Technical Data
Enclosure Types for Non-Hazardous Locations

	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50 Standard for Enclosures for Electrical Equipment	CAN/CSA C22.2 No. 94 Special Purpose Enclosures
Designation	**Intended Use and Description**	**Intended Use and Description**	**Intended Use and Description**
Type 5	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids and settling dust, lint, fibers, and flyings.
Type 6	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose directed water and the entry of water during occasional temporary submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.
Type 6P	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose-directed water and the entry of water during prolonged submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during prolonged submersion at a limited depth; undamage by the external formation of ice on the enclosure; resists extended corrosion.
Type 12	Enclosures constructed (without knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 12K	Enclosures constructed (with knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 13	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against the spraying, splashing, and seepage of water, oil, and non-corrosive coolants.	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; seepage and spraying of non-corrosive liquids including oils and coolants.

Technical Data
Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)

125V – 2P, 2W

ANSI/NEMA WD-6   1-15R   L1-15R   ML1-R

250V – 2P, 2W

ANSI/NEMA WD-6   2-20R   2-30R   L2-20R

208V AC – 2P, 2W

ANSI/NEMA WD-6   2-20R   2-30R   L2-20R

125V – 2P, 3W – Grounding

ANSI/NEMA WD-6 5-15R   5-20R   5-30R   5-50R   L5-15R   L5-20R   L5-30R   ML2-R

208V – 2P, 3W – Grounding

ANSI/NEMA WD-6   6-15R   6-20R   6-30R   6-50R   L6-15R   L6-20R   L6-30R

250V – 2P, 3W – Grounding

ANSI/NEMA WD-6   6-15R   6-20R   6-30R   6-50R   L6-15R   L6-20R   L6-30R

Note: The above diagrams are intended to show device terminal identification only.

Technical Data
Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)

277V AC – 2P, 3W – Grounding

ANSI/NEMA WD-6 7-15R 7-20R 7-30R 7-50R L7-15R L7-20R L7-30R

347V AC – 2P, 3W – Grounding

ANSI/NEMA WD-6 L24-20R

480V AC – 2P, 3W – Grounding

ANSI/NEMA WD-6 L8-20R L8-30R

600V AC – 2P, 3W – Grounding

ANSI/NEMA WD-6 L9-20R L9-30R

125/250V – 3P, 3W

ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

1Ø 120/208YV AC – 3P, 3W – Grounding

ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

Note: The above diagrams are intended to show device terminal identification only.

Technical Data
Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)

3Ø 250V AC – 3P, 3W

| ANSI/NEMA WD-6 | 11-15R | 11-20R | 11-30R | 11-50R | L11-15R | L11-20R | L11-30R |

3Ø 480V AC – 3P, 3W

| ANSI/NEMA WD-6 | L12-20R | L12-30R |

3Ø 600V AC – 3P, 3W

| ANSI/NEMA WD-6 | L13-30R |

125/250V – 3P, 4W

| ANSI/NEMA WD-6 | 14-15R | 14-20R | 14-30R | 14-50R | 14-60R | L14-20R | L14-30R |

1Ø 120/208YV AC – 3P, 4W – Grounding

| ANSI/NEMA WD-6 | 14-15R | 14-20R | 14-30R | 14-50R | 14-60R | L14-20R | L14-30R |

Note: The above diagrams are intended to show device terminal identification only.

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Technical Data
Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)

3Ø 250V – 3P, 4W – Grounding

| ANSI/NEMA WD-6 | 15-15R | 15-20R | 15-30R | 15-50R | 15-60R | L15-20R | L15-30R |

3ØY 277/480V AC – 4P, 4W

| ANSI/NEMA WD-6 | L19-20R | L19-30R |

3ØY 347/600V AC – 4P, 4W

| ANSI/NEMA WD-6 | L20-20R | L20-30R |

3Ø 480V AC – 3P, 4W – Grounding

| ANSI/NEMA WD-6 | L16-20R | L16-30R |

3Ø 600V AC – 3P, 4W – Grounding

| ANSI/NEMA WD-6 | L17-30R |

3ØY 120/208V AC – 4P, 4W

| ANSI/NEMA WD-6 | 18-15R | 18-20R | 18-30R | 18-50R | 18-60R | L18-20R | L18-30R |

Note: The above diagrams are intended to show device terminal identification only.

Technical Data
Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)

3ØY 120/208V AC – 4P, 5W – Grounding

ANSI/NEMA WD-6   L21-20R   L21-30R

3ØY 277/480V AC – 4P, 5W – Grounding

ANSI/NEMA WD-6   L22-20R   L22-30R

3ØY 347/600V AC – 4P, 5W – Grounding

ANSI/NEMA WD-6   L23-20R   L23-30R

Note: The above diagrams are intended to show device terminal identification only.

HUBBELL   **Wiring Device-Kellems**   www.hubbell-wiring.com   *Dimensions in Inches (mm)*

Technical Data
Electrical Symbols and Abbreviations
In Accordance with American National Standards Institute

General Outlets
Ceiling Wall

○	-○	Lighting Outlet
Ⓑ	-Ⓑ	Blanked outlet
Ⓓ		Deep cord
Ⓔ	-Ⓔ	Electrical outlet: for use only when circle used alone might be confused with columns, plumbing symbols, etc.
Ⓕ	-Ⓕ	Fan outlet
Ⓛ_{PS}	-Ⓛ_{PS}	Junction box
Ⓙ	-Ⓙ	Lamp holder
Ⓛ	-Ⓛ	Lamp holder with pull switch
Ⓢ	-Ⓢ	Pull switch
Ⓥ	-Ⓥ	Outlet for vapor discharge lamp
Ⓧ	-Ⓧ	Exit light outlet
Ⓒ	-Ⓒ	Clock outlet (specify voltage)

Convenience Outlets

⊖	Duplex convenience outlet
⊖_{1,3}	Convenience outlet other than duplex 1-single, 3-triplex, etc.
⊖_{WP}	Weatherproof convenience outlet
⊖_R	Range outlet
⊖_S	Switch and convenience outlet
⊖Ⓡ	Radio and convenience outlet
◉	Special purpose outlet (Des. in Spec.)
▣	Floor outlet

Switch Outlets

S	Single pole switch
S$_2$	Double pole switch
S$_3$	Three way switch
S$_4$	Four way switch
S$_D$	Automatic door switch
S$_E$	Electrolier switch
S$_K$	Key operated switch
S$_P$	Switch and pilot lamp
S$_{CB}$	Circuit breaker switch
S$_{WCB}$	Weatherproof circuit breaker
S$_{MC}$	Momentary contact switch
S$_{RC}$	Remote control switch
S$_{WP}$	Weatherproof switch
S$_F$	Fused switch
S$_{WF}$	Weatherproof fused switch

Special Outlets
Any standard symbol as given above with the addition of a lower case subscript letter may be used to designate some special variation of standard equipment of particular interest in a specific set of architectural plans.

○$_{a,b,c,etc}$ ⊖$_{a,b,c,etc}$ S$_{a,b,c,etc}$ When used they must be listed in the Key of Symbols on each drawing and if necessary further described in the specifications.

Panels, Circuits and Miscellaneous

▮	Lighting panel
▨	Power panel
▬	Branch circuit; concealed in ceiling or wall
‒‒	Branch circuit; concealed in floor
⋯⋯	Branch circuit; exposed
⟶	Home run to panel board. Indicated number of circuits by number of arrows. *Note: Any circuit without further designation indicates a two-wire circuit. For a greater number of wires indicate as follows: ⫴ (3 wires) ⫼ (4 wires), etc.*
▬	Feeders *Note: Use heavy lines and designate by number of corresponding to listing in feeder schedule.*
▭	Underfloor duct and junction box. Triple system *Note: For double or single systems eliminate one or two lines. This symbol is equally adaptable to auxiliary system layouts*
Ⓖ	Generator
Ⓜ	Motor
Ⓘ	Instrument
Ⓣ	Power transformer (or draw to scale)
⊠	Controller
⊔	Isolating switch

Auxiliary Systems

▪	Push Button	▱/	Buzzer
▱♭	Bell	◇	Annunciator
◀	Outside telephone		
◁	Interconnecting telephone		
◁	Telephone switchboard		
Ⓣ	Bell ringing transformer		
Ⓓ	Electric door opener		
Ⓕ♭	Fire alarm bell	Ⓕ	Fire alarm station
✖	City fire alarm station		
FA	Fire alarm central station		
FS	Automatic fire alarm device		
W	Watchman's station		
Ⓦ	Watchman's central station		
H	Horn		
N	Nurse's signal plug	M	Maid's signal plug
R	Radio outlet		
SC	Signal central section		
▱	Interconnection box	⫼⫼	Battery
—·—·—	Auxiliary system circuits.		

Note: Any line without further designation indicates a 2-wire system. For a greater number of wires designate with numerals in manner similar to – - – 12-No. 18 W-3'4"C, or designate by number corresponding to listing in schedule.

▱$_{a,b,c}$ **Special auxiliary outlets**
Subscript letters refer to notes on plans or detailed description in specifications.

Technical Data
Diameter Ranges of Jacketed Cord Chart and Decimal Equivalents Table

Diameter Ranges of Jacketed Cord Chart - In Accordance with Standard UL62

Acceptable range in inches (mm) of the average overall diameter of round, jacketed heater cords and non-retractile vacuum cleaner and service cords.

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
SV, SVE, SVEO, SVOO	18	.22"-.26" (5.6-6.6)	.23"-.27" (5.8-6.9)	—	—
SVO, SVT, SVTOO, SVTO	16	.25"-.28" (6.2-7.1)	.26"-.30" (6.6-7.5)		
SJ, SJE, SJOO, SJO, SJEO,	18	.28"-.32" (7.1-8.1)	.30"-.34" (7.6-8.6)	.33"-.37" (8.4-9.4)	—
SJEOOSJT, SJTO, SJTOO,	16	.31"-.34" (7.9-8.6)	.33"-.36" (8.4-9.1)	.35"-.40" (8.9-10.2)	
SJEW, SJOOW, SJOW,	14	.34"-.38" (8.6-9.7)	.36"-.40" (9.1-10.2)	.39"-.44" (9.9-11.2)	—
SJEOW, SJEOOW, SJTW,	12	.41"-.46" (10.4-11.7)	.43"-.48" (10.9-12.2)	.47"-.52" (11.9-13.2)	—
SJTOW, SJTOOW	10	.54"-.61" (13.7-15.5)	.57"-.64" (14.5-16.3)	.63"-.70" (16.0-17.8)	—
S, SE, SOO, SEO, SEOO, ST	18	.34"-.39" (8.6-9.9)	.36"-.40" (9.1-10.2)	.39"-.43" (9.9-10.9)	.46"-.51" (11.7-13.0
STOO, STO, SEW, SOOW,	16	.37"-.41" (9.4-10.4)	.39"-.43" (9.9-10.9)	.41"-.46" (10.4-11.7)	.49"-.55" (12.4-14.0
SOW, SEOW, SEOOW, STW,	14	.50"-.55" (12.7-14.0)	.52"-.58" (13.2-14.7)	.56"-.62" (14.2-15.7)	.63"-.71" (16.0-18.0
STOOW, STOW	12	.57"-.63" (14.5-16.0)	.59"-.66" (15.0-16.8)	.64"-.71" (16.3-18.0)	.70"-.77" (17.8-19.6)
	10	.62"-.69" (15.7-17.5)	.65"-.72" (16.5-18.3)	.70"-.78" (17.8-19.8)	.76"-.84" (19.3-21.3)
	8	.78"-.88" (19.8-22.4)	.83"-.93" (21.1-23.6)	.93"-1.05" (23.6-26.7)	1.00"-1.15" (25.4-29.2)
	6	.92"-1.05" (23.4-26.7)	.97"-1.10" (24.6-27.9)	1.05"-1.20" (26.7-30.5)	1.18"-1.33" (30.0-33.8)
	4	1.06"-1.21" (26.9-30.7)	1.13"-1.28" (28.7-32.5)	1.25"-1.45" (31.8-36.8)	—
	2	1.21"-1.40" (30.7-35.6)	1.30"-1.50" (33.0-38.1)	1.45"-1.65" (36.8-41.9)	—

Decimal Equivalents Table

Inches	Inches	Millimeters	Inches	Inches	Millimeters
1/64	.015625	.3969	33/64	.515625	13.0969
1/32	.03125	.7938	17/32	.53125	13.4938
3/64	.046875	1.1906	35/64	.546875	13.8906
1/16	.0625	1.5875	9/16	.5625	14.2875
5/64	.078125	1.9844	37/64	.578125	14.6844
3/32	.09375	2.3813	19/32	.59375	15.0813
7/64	.109375	2.7781	39/64	.609375	15.4781
1/8	.1250	3.1750	5/8	.6250	15.8750
9/64	.140625	3.5719	41/64	.640625	16.2719
5/32	.15625	3.9688	21/32	.65625	16.6688
11/64	.171875	4.3656	43/64	.671875	17.0656
3/16	.1875	4.7625	11/16	.6875	17.4625
13/64	.203125	5.1594	45/64	.703125	17.8594
7/32	.21875	5.5563	23/32	.71875	18.2563
15/64	.234375	5.9531	47/64	.734375	18.6531
1/4	.2500	6.3500	3/4	.7500	19.0500
17/64	.265625	6.7469	49/64	.765625	19.4469
9/32	.28125	7.1438	25/32	.78125	19.8438
19/64	.296875	7.5406	51/64	.796875	20.2406
5/16	.3125	7.9375	13/16	.8125	20.6375
21/64	.328125	8.3344	53/64	.828125	21.0344
11/32	.34375	8.7313	27/32	.84375	21.4313
23/64	.359375	9.1281	55/64	.859375	21.8281
3/8	.3750	9.5250	7/8	.8750	22.2250
25/64	.390625	9.9219	57/64	.890625	22.6219
13/32	.40625	10.3188	29/32	.90625	23.0188
27/64	.421875	10.7156	59/64	.921875	23.4156
7/16	.4375	11.1125	15/16	.9375	23.8125
29/64	.453125	11.5094	61/64	.953125	24.2094
15/32	.46875	11.9063	31/32	.96875	24.6063
31/64	.484375	12.3031	63/64	.984375	25.0031
1/2	.5000	12.7000	1	1.0000	25.4000

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com *Dimensions in Inches (mm)*

Technical Data
Horsepower Ratings
For NEMA Configuration

Horsepower Ratings for NEMA Configurations – Plugs and Receptacles Only

Straight Blade		Locking	
NEMA Configuration	**AC HP Rating**[1]	**NEMA Configuration**	**AC HP Rating**[1]
1-15	0.5	L1-15	0.5
2-15	1.5*	L2-20	2*
2-20	2*	L5-15	0.5
2-30	2*	L5-20	1
5-15	0.5	L5-30	2
5-20	1	L6-15	1.5*
5-30	2	L6-20	2*
5-50	2	L6-30	2*
6-15	1.5*	L7-15	2
6-20	2*	L7-20	2
6-30	2*	L7-30	3
6-50	3*	L8-20	3
7-15	2	L8-30	5
7-20	2	L10-20	2 L-L*
7-30	3		1 L-N
7-50	5	L10-30	2 L-L*
10-20	2 L-L*		2 L-N
	1 L-N	L11-15	2
10-30	2 L-L*	L11-20	3
	2 L-N	L11-30	3
10-50	3 L-L*	L12-20	5
	2 L-N	L12-30	10
11-15	2	L14-20	2 L-L*
11-20	3		1 L-N
11-30	3	L14-30	2 L-L*
11-50	7.5		2 L-N
14-15	1.5 L-L*	L15-20	3
	0.5 L-N	L15-30	3
14-20	2 L-L*	L16-20	5
	1 L-N	L16-30	10
14-30	2 L-L*	L18-20	2
	2 L-N	L18-30	3
14-50	3 L-L*	L19-20	5
	2 L-N	L19-30	10
14-60	3 L-L*	L21-20	2
	2 L-N	L21-30	3
15-15	2	L22-20	5
15-20	3	L22-30	10
15-30	3		
15-50	7.5		
15-60	10		
18-15	2		
18-20	2		
18-30	3		
18-50	7.5		
18-60	7.5		

Notes: 1The phase to phase horsepower ratings are noted "L-L". The phase to neutral ratings are identified "L-N".
*Also suitable for 208V.

Dimensions in Inches (mm) www.hubbell-wiring.com **HUBBELL** **Wiring Device-Kellems** X-19

Technical Data
Horsepower Ratings
For IEC Pin and Sleeve

Horsepower Ratings for IEC Pin and Sleeve

Catalog Number				A/C Voltage Rating	HP Rating
HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	3Ø250	2
HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	3Ø480	5
HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	3Ø600	7-1/2
HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	3ØY 120/208	1/2
HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	3ØY 277/480	5
HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	3ØY 347/600	7-1/2
HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	3Ø250	3
HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	3Ø480	7-1/2
HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	3Ø600	10
HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	3ØY 120/208	2
HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	3ØY 277/480	7-1/2
HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	3ØY 347/600	10
HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	3Ø250	5
HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	3Ø480	10
HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	3Ø600	15
HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	3ØY 120/208	3
HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	3ØY 277/480	10
HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	3ØY 347/600	15
HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	3Ø250	10
HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	3Ø480	30
HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	3Ø600	30
HBL5100R9W	HBL5100P9W	HBL5100C9W	HBL5100B9W	3ØY 120/208	10
HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	3ØY 277/480	30
HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	3ØY 347/600	30

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Hubbell Configuration Charts

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Straight Blade Devices

Twist-Lock® Devices

IEC Watertight Pin and Sleeve Devices

Insulgrip® Pin and Sleeve, 50 Amp Twist-Lock® Devices and Hubbellock® Devices

Straight Blade Devices

Receptacle

Style Line® Receptacle

Single Receptacle

Plug

Connector Body

Flanged Receptacle

Flanged Inlet

4-PLEX® Receptacle

Accessories

RATING			15 AMPERE		20 AMPERE		Accessories
			RECEPTACLE	PLUG	RECEPTACLE	PLUG	15A & 20A
2 POLE / 2 WIRE	125V	1	1-15R	1-15P			✓
	250V	2			2-20R	2-20P	✓
2 POLE / 3 WIRE GROUNDING	125V	5	5-15R	5-15P	5-20R	5-20P	✓
	250V	6	6-15R	6-15P	6-20R	6-20P	✓
	277V AC	7	7-15R	7-15P	7-20R	7-20P	✓
3 POLE / 3 WIRE GROUNDING	125/250V AC	10			10-20R	10-20P	✓
	3Ø 250V AC	11	11-15R	11-15P	11-20R	11-20P	✓
3 POLE / 4 WIRE GROUNDING	125/250V AC	14	14-15R	14-15P	14-20R	14-20P	✓
	3Ø 250V AC	15	15-15R	15-15P	15-20R	15-20P	✓
4 POLE / 4 WIRE	3Ø Y 120/208V AC	18	18-15R	18-15P	18-20R	18-20P	✓

Note: ✓ Available Accessories.

Chart-2

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

STRAIGHT BLADE DEVICES

Receptacle   Straight Plug   Angled Plug   Connector Body   Surface Mount Receptacle   Accessories

RATING			30 AMPERE		50 AMPERE		60 AMPERE		Accessories
			RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	30A, 50A & 60A
2 POLE / 2 WIRE	125V	1							
	250V	2							
2 POLE / 3 WIRE GROUNDING	125V	5	5-30R	5-30P	5-50R	5-50P			✓
	250V	6	6-30R	6-30P	6-50R	6-50P			✓
	277V AC	7	7-30R	7-30P	7-50R	7-50P			✓
3 POLE / 3 WIRE GROUNDING	125/250V AC	10	10-30R	10-30P	10-50R	10-50P			✓
	3Ø 250V AC	11	11-30R	11-30P	11-50R	11-50P			✓
3 POLE / 4 WIRE GROUNDING	125/250V AC	14	14-30R	14-30P	14-50R	14-50P	14-60R	14-60P	✓
	3Ø 250V AC	15	15-30R	15-30P	15-50R	15-50P	15-60R	15-60P	✓
4 POLE / 4 WIRE	3Ø Y 120/208V AC	18	18-30R	18-30P	18-50R	18-50P	18-60R	18-60P	✓

Note: ✓ Available Accessories.

MEMBER NEMA — Setting Standards for Excellence

HUBBELL

TWIST-LOCK® DEVICES

| Receptacle | Plug | Connector Body | Flanged Inlet | Flanged Receptacle | Accessories |

RATING COLOR CODED BY VOLTAGE			15 AMPERE		20 AMPERE		30 AMPERE		Accessories	
			RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	15A	20A & 30A
2 POLE / 2 WIRE	125V	ML1	ML-1R	ML-1P					✓	
	125V	L1	L1-15R	L1-15P					✓	
	250V	L2			L2-20R	L2-20P				✓
2 POLE / 3 WIRE GROUNDING	125V	ML2	ML-2R	ML-2P					✓	
	125V	L5	L5-15R	L5-15P	L5-20R	L5-20P	L5-30R	L5-30P	✓	✓
	250V	L6	L6-15R	L6-15P	L6-20R	L6-20P	L6-30R	L6-30P	✓	✓
	277V AC	L7	L7-15R	L7-15P	L7-20R	L7-20P	L7-30R	L7-30P	✓	✓
	480V AC	L8			L8-20R	L8-20P	L8-30R	L8-30P		✓
	600V AC	L9			L9-20R	L9-20P	L9-30R	L9-30P	✓	✓
3P / 3W	125/250V AC	ML3	ML-3R	ML-3P					✓	
3 POLE / 4 WIRE GROUNDING	125/250V AC	L14			L14-20R	L14-20P	L14-30R	L14-30P		✓
	3Ø 250V AC	L15			L15-20R	L15-20P	L15-30R	L15-30P		✓
	3Ø 480V AC	L16			L16-20R	L16-20P	L16-30R	L16-30P		✓
	3Ø 600V AC	L17					L17-30R	L17-30P		✓
4 POLE / 4 WIRE	3Ø Y 120/208V AC	L18			L18-20R	L18-20P	L18-30R	L18-30P		✓
	3Ø Y 277/480V AC	L19			L19-20R	L19-20P	L19-30R	L19-30P		✓
	3Ø Y 347/600V AC	L20			L20-20R	L20-20P	L20-30R	L20-30P		✓
4 POLE / 5 WIRE GROUNDING	3Ø Y 120/208V AC	L21			L21-20R	L21-20P	L21-30R	L21-30P		✓
	3Ø Y 277/480V AC	L22			L22-20R	L22-20P	L22-30R	L22-30P		✓
	3Ø Y 347/600V AC	L23			L23-20R	L23-20P	L23-30R	L23-30P		✓
2P/3W GR	347V AC	L24			L24-20R	L24-20P				✓

Note: ✓ Available Accessories.

Safety-Shroud™ Twist-Lock® Devices

Watertight Safety-Shroud™ Twist-Lock® Devices

Receptacles Plug

Plug

Receptacle Connector Body Flanged Inlet

Rating Color Coded by Voltage			20 Ampere				30 Ampere				Accessories
			Safety-Shroud™		Watertight Safety-Shroud™		Safety-Shroud™		Watertight Safety-Shroud™		Back Boxes and Adapters
			Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	
2 Pole / 3 Wire Grounding	125V	L5	L5-20R	L5-20P	L5-20R	L5-20P	L5-30R	L5-30P	L5-30R	L5-30P	✓
	250V	L6	L6-20R	L6-20P	L6-20R	L6-20P	L6-30R	L6-30P	L6-30R	L6-30P	✓
	277V AC	L7	L7-20R	L7-20P	L7-20R	L7-20P					✓
3 Pole / 4 Wire Grounding	125/250V AC	L14	L14-20R	L14-20P	L14-20R	L14-20P	L14-30R	L14-30P	L14-30R	L14-30P	✓
	3Ø 250V AC	L15	L15-20R	L15-20P	L15-20R	L15-20P	L15-30R	L15-30P	L15-30R	L15-30P	✓
	3Ø 480V AC	L16	L16-20R	L16-20P	L16-20R	L16-20P	L16-30R	L16-30P	L16-30R	L16-30P	✓
	3Ø 600V AC	L17					L17-30R	L17-30P	L17-30R	L17-30P	✓
4P/5W Gr	3Ø Y 120/208V AC	L21	L21-20R	L21-20P	L21-20R	L21-20P	L21-30R	L21-30P	L21-30R	L21-30P	✓

Note: ✓ Available Accessories.

Switched Safety Enclosures

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any NEMA 2 pole, 3 wire to 4 pole, 5 wire 20A or 30A Twist-Lock receptacle (sold separately).

SETL3 - For use with NEMA 2 pole, 3 wire to 4 pole, 5 wire 20A or 30A Twist-Lock receptacle.

Mechanical Interlock Switched Safety Enclosures

The Mechanical Interlock accommodates 20A or 30A Watertight Safety-Shroud Twist-Lock receptacles.

HBLMITL - For use with Watertight Safety-Shroud receptacles.

IEC Watertight Pin and Sleeve Devices

Receptacle   Connector Body   Plug   Inlet   Low Profile Receptacles   Low Profile Plugs   Mechanical Interlocks Unfused   Fused   Back Boxes   Closure Caps

Rating			Watertight Devices		Low Profile Devices		Mechanical Interlocks				Accessories	
							Regular Service		Reverse Service			
Amps	Poles & Wires	Voltage	Receptacles & Connectors	Plugs & Inlets	Receptacles	Plugs	Unfused	Fused	Unfused	Fused	Back Boxes	Closure Caps
16	2P 3W	100–130	◉	◉							✓	✓
	2P 3W	220–240	◉	◉							✓	✓
	3P 4W	380–415	◉	◉							✓	✓
	4P 5W	220/380 240/415	◉	◉							✓	✓
20	2P 3W	125	◉	◉							✓	✓
	2P 3W	250	◉	◉							✓	✓
	2P 3W	480	◉	◉							✓	✓
	3P 4W	125/250	◉	◉			✓				✓	✓
	3P 4W	3Ø 250	◉	◉	◉	◉	✓				✓	✓
	3P 4W	3Ø 480	◉	◉			✓				✓	✓
	3P 4W	3Ø 600	◉	◉			✓				✓	✓
	4P 5W	3Ø Y 120/208	◉	◉							✓	✓
	4P 5W	3Ø Y 277/480	◉	◉							✓	✓
	4P 5W	3Ø Y 347/600	◉	◉							✓	✓
30	2P 3W	125	◉	◉			✓				✓	✓
	2P 3W	250	◉	◉			✓				✓	✓
	2P 3W	480	◉	◉			✓				✓	✓
	3P 4W	125/250	◉	◉	◉	◉	✓	✓			✓	✓
	3P 4W	3Ø 250	◉	◉	◉	◉	✓	✓	✓		✓	✓
	3P 4W	3Ø 480	◉	◉			✓	✓	✓		✓	✓
	3P 4W	3Ø 600	◉	◉			✓	✓	✓		✓	✓
	4P 5W	3Ø Y 120/208	◉	◉			✓				✓	✓
	4P 5W	3Ø Y 277/480	◉	◉			✓	✓			✓	✓
	4P 5W	3Ø Y 347/600	◉	◉			✓	✓			✓	✓
32	2P 3W	100–130	◉	◉							✓	✓
	2P 3W	220–240	◉	◉							✓	✓
	3P 4W	380–415	◉	◉							✓	✓
	3P 4W	380V 50Hz 440V 60Hz	◉	◉			✓				✓	✓
	4P 5W	220/380 240/415	◉	◉							✓	✓

Note: ✓ Available Interlocks and Accessories.

IEC WATERTIGHT PIN AND SLEEVE DEVICES

Plug

Receptacle Connector Body Inlet Low Profile Receptacles Low Profile Plugs Mechanical Interlocks Unfused Fused Back Boxes Closure Caps

RATING			WATERTIGHT DEVICES		Low Profile Devices		Mechanical Interlocks				Accessories	
							Regular Service		Reverse Service			
Amps	Poles & Wires	Voltage	Receptacles & Connectors	Plugs & Inlets	Receptacles	Plugs	Unfused	Fused	Unfused	Fused	Back Boxes	Closure Caps
60	2P 3W	125	◉	◉			✓				✓	✓
	2P 3W	250	◉	◉			✓				✓	✓
	2P 3W	480	◉	◉			✓				✓	✓
	3P 4W	125/250	◉	◉			✓	✓	✓		✓	✓
	3P 4W	3Ø 250	◉	◉	◉	◉	✓	✓	✓		✓	✓
	3P 4W	3Ø 480	◉	◉			✓	✓	✓		✓	✓
	3P 4W	3Ø 600	◉	◉			✓	✓	✓		✓	✓
	4P 5W	3Ø Y 120/208	◉	◉	◉	◉	✓	✓			✓	✓
	4P 5W	3Ø Y 277/480	◉	◉			✓				✓	✓
	4P 5W	3Ø Y 347/600	◉	◉			✓				✓	✓
63	2P 3W	220–240	◉	◉							✓	✓
	3P 4W	380–415	◉	◉							✓	✓
	4P 5W	220/380 240/415	◉	◉							✓	✓
100	2P 3W	125	◉	◉							✓	✓
	2P 3W	250	◉	◉			✓				✓	✓
	2P 3W	480	◉	◉							✓	✓
	3P 4W	125/250	◉	◉			✓		✓		✓	✓
	3P 4W	3Ø 250	◉	◉			✓		✓		✓	✓
	3P 4W	3Ø 480	◉	◉			✓		✓		✓	✓
	3P 4W	3Ø 600	◉	◉			✓		✓		✓	✓
	4P 5W	3Ø Y 120/208	◉	◉	◉	◉	✓				✓	✓
	4P 5W	3Ø Y 277/480	◉	◉							✓	✓
	4P 5W	3Ø Y 347/600	◉	◉							✓	✓
125	2P 3W	220–240	◉	◉							✓	✓
	3P 4W	380–415	◉	◉							✓	✓
	4P 5W	220/380 240/415	◉	◉							✓	✓

Note: ✓ Available Interlocks and Accessories.

INSULGRIP® PIN AND SLEEVE DEVICES STYLE I AND II

Receptacle   Plug   Connector Body   Mechanical Interlocks   Back Boxes

RATING			STYLE I DEVICES	STYLE II DEVICES	STYLE I DEVICES	STYLE II DEVICES	STYLE II MECHANICAL INTERLOCKS		ACCESSORIES
			Regular Service		Reverse Service		Regular Service		
Amps	Poles & Wires	Maximum Voltage AC/DC	Receptacles, Plugs & Connectors	Receptacles, Plugs & Connectors	Receptacles, Plugs & Connectors	Receptacles, Plugs & Connectors	Unfused	Fused	Style I & II Back Boxes
30	2P 3W	600/250	(diagram)	(diagram)	(diagram)	(diagram)			✓
	3P 4W	600/250	(diagram)	(diagram)	(diagram)	(diagram)	✓	✓	✓
	4P 5W	600/250	(diagram)		(diagram)				✓
60	2P 3W	600/250	(diagram)	(diagram)	(diagram)	(diagram)			✓
	3P 4W	600/250	(diagram)	(diagram)	(diagram)	(diagram)	✓	✓	✓
	4P 5W	600/250	(diagram)		(diagram)				✓
100	2P 3W	600/250	(diagram)	(diagram)	(diagram)	(diagram)			✓
	3P 4W	600/250	(diagram)	(diagram)	(diagram)	(diagram)			✓
	4P 5W	600/250	(diagram)		(diagram)				✓
200	2P 3W	600/250		(diagram)		(diagram)			✓
	3P 4W	600/250	(diagram)	(diagram)	(diagram)	(diagram)			✓
	4P 5W	600/250	(diagram)		(diagram)				✓

Note: ✓ Available Interlocks and Accessories.

Chart-5

HUBBELL®   **Wiring Device-Kellems**   www.hubbell-wiring.com

50 Amp Twist-Lock® Devices

Plug

Receptacle   Connector   Flanged Inlet   Accessories

	RATING	RECEPTACLE	PLUG	ACCESSORIES
2 Pole / 3 Wire Grounding	**50A 125V** CORROSION RESISTANT ANSI C73-110/NEMA SS1-50 MARINE PRODUCTS			✓
	50A 125V			✓
	50A 250V			✓
	50A 480V AC			✓
3 Pole / 4 Wire Grounding	**50A 125/250V** CORROSION RESISTANT ANSI C73-111/NEMA SS2-50 MARINE PRODUCTS			✓
	50A 125/250V AC			✓
	50A 3Ø 250V AC			✓
	50A 3Ø 480V AC			✓

Note: ✓ Available Accessories.

Non-Nema Twist-Lock® Devices

	RATING	RECEPTACLE	PLUG	ACCESSORIES
3 Pole / 3 Wire	**20A 125/250V**			✓
	30A 125/250V			✓
4 Pole / 4 Wire	**20A 3ØY 120/208V AC**			✓
	30A 3ØY 120/208V AC			✓
4P / 5W Gr	**20A 250V 10A 600V AC**			✓

Note: ✓ Available Accessories.

Hubbellock® Devices

Plug

Receptacle   Connector   Flanged Inlet   Accessories

	RATING	RECEPTACLE	PLUG	ACCESSORIES
2 Pole / 3 Wire Grounding	**20A 125V AC** "HOSPITAL USE ONLY"			✓
	20A 125V AC EXPOSION PROOF (CLASS 1, DIV. 1, GROUP C)			✓
	20A 125V (NOTE: These devices are not interchangeable with any other Hubbellock devices.)			✓
	20A 125V AC/DC 10A 250V DC 480V AC (NOTE: These devices are not UL Listed and are for replacement use only in existing installations.)			✓
	50A 250V AC FOR MOBILE X-RAY			✓
	60A 250V AC FOR MOBILE X-RAY			✓
3 Pole / 4 Wire Grounding	**30A 600V AC 20A 250V DC**			✓
	30A 600V AC 20A 250V DC WEATHER RESISTANT			✓
	30A 480V AC			✓
	60A 600V AC			✓
4P / 5W Gr	**30A 600V AC 20A 250V DC**			✓
	60A 600V AC			✓

Note: ✓ Available Accessories.

Hubbellock® Switched Safety Enclosures

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 3 pole 4 wire 30A Hubbellock receptacle (sold separately).

SEHBL3 - Is a Switched Hubbellock enclosure.

STRAIGHT BLADE DEVICES DETAILED SELECTION

Receptacle

Style Line® Receptacle

Single Receptacle

Plug

Connector Body

Flanged Receptacle

Flanged Inlet

4-PLEX® Receptacle

Accessories

RATING			15 AMPERE		20 AMPERE		Accessories
			RECEPTACLE	PLUG	RECEPTACLE	PLUG	15A & 20A
2 POLE / 3 WIRE GROUNDING	**125V**	5	**5-15R** Hospital Grade Receptacles Hospital Grade Single Recept. Hospital Grade 4-PLEX Recept. Hospital Grade Connectors SNAPConnect Receptacles Extra Heavy Duty Receptacles Heavy Duty Receptacles Hubbell-Pro Heavy Duty Recept. Commercial Grade Receptacles Side Wired Commercial Grade Duplex Receptacles 4-PLEX Receptacles Connectors Flanged Receptacles	**5-15P** Hospital Grade Plugs Plugs Flanged Inlets	**5-20R** Hospital Grade Receptacles Hospital Grade Single Recept. Hospital Grade 4-PLEX Recept. Hospital Grade Connectors SNAPConnect Receptacles Extra Heavy Duty Receptacles Heavy Duty Receptacles Hubbell-Pro Heavy Duty Recept. Commercial Grade Receptacles Side Wired Commercial Grade Duplex Receptacles 4-PLEX Receptacles Connectors Flanged Receptacles	**5-20P** Hospital Grade Plugs Plugs Flanged Inlets	✓
	250V	6	**6-15R** Hospital Grade Receptacles Extra Heavy Duty Receptacles Connectors Flanged Receptacles	**6-15P** Hospital Grade Plugs Plugs Flanged Inlets	**6-20R** Hospital Grade Receptacles Hospital Grade Connectors Extra Heavy Duty Receptacles Connectors Flanged Receptacles	**6-20P** Hospital Grade Plugs Plugs Flanged Inlets	✓

Note: ✓ Available Accessories.

Chart-7

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01304013	T-14	02202045	T-32	02211001	T-39	02216018	T-37
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01304017	T-14	02202047	T-32	02211003	T-39	02216020	T-37
01304029	T-14	02202048	T-32	02211006	T-39	02216021	T-37
01304037	T-14	02202050	T-33	02211007	T-39	02216022	T-37
01304054	T-14	02202051	T-33	02211009	T-39	02216023	T-37
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013041330	T-14	02202056	T-33	02211017	T-39	02216027	T-37
013041333	T-14	02202057	T-33	02211018	T-39	02216028	T-37
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02201005	T-31	02203001	T-31	02211024	T-39	02217002	T-36
02201006	T-31	02203002	T-31	02211025	T-39	02217003	T-36
02201007	T-31	02203003	T-31	02211026	T-39	02217004	T-36
02201008	T-31	02203005	T-31	02211033	T-39	02217005	T-36
02201009	T-31	02203006	T-31	02211034	T-39	02217006	T-36
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02201017	T-30	02203013	T-30	02211063	T-39	02217013	T-36
02201018	T-30	02203014	T-30	02211072	T-39	02217014	T-36
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02201020	T-30	02203017	T-30	02211100	T-39	02217016	T-37
02201021	T-30	02203018	T-30	02211101	T-39	02217017	T-37
02201022	T-30	02203019	T-30	02211106	T-39	02217018	T-37
02201023	T-30	02203020	T-30	02211107	T-39	02217019	T-37
02201024	T-30	02203021	T-30	02212003	T-40	02217020	T-37
02201037	T-32	02203022	T-30	02212007	T-40	02217021	T-37
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02201044	T-32	02203041	T-32	02212023	T-40	02217027	T-37
02201045	T-32	02203042	T-32	02212024	T-40	02217028	T-37
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RoHS Product Index

RoHS RoHS compliance is an on going commitment at Hubbell following is a current list of compliant products at time of this printing. For the most current list, visit us at www.hubbell-wiring.com.

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02201014	02203007	02211033	02216024	03302026	03310002	07401034	074011275	1221I
02201015	02203008	02211034	02216025	03302028	03310003	07401035	074011331	1221LA
02201017	02203009	02211040	02216026	03302044	03310004	07401043	074011332	1221W
02201018	02203010	02211041	02216027	03302046	03310005	07401045	074011333	1222AL
02201019	02203011	02211042	02216028	03302048	03310006	07401052	074011334	1222B
02201020	02203012	02211043	02216029	03302050	03310007	07401053	074011335	1222BK
02201021	02203013	02211051	02216030	03302052	03310008	07401071	074011336	1222GY
02201022	02203014	02211052	02217001	03302054	03310009	07401072	074011337	1222I
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02201024	02203017	02211062	02217003	03302066	03310011	07401074	074011341	1222W
02201037	02203018	02211063	02217004	03302097	03316001	07401076	074011342	1223AL
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02201039	02203020	02211073	02217006	033021031	03316003	07401080	074011344	1223BK
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02201042	02203022	02211101	02217008	033021079	03316006	07401083	074011347	1223I
02201043	02203023	02211102	02217009	033021080	03317001	07401084	074011348	1223LA
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02201053	02203045	02212017	02217018	03303008	033271040	074011031	074M32023	15A6P1
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02202007	02206001	02212042	02217029	033041082	033291009	074011047	074PG291028	20509006
02202008	02206002	02212043	02217030	033041083	033291010	074011049	074PG36028	20509007
02202009	02206003	02212061	022291000	033041084	033291011	074011051	091041000	20509008
02202010	02206004	02212062	022291001	033041085	033291012	074011055	091041001	2100BK
02202011	02206005	02212063	022291002	033041086	033291015	074011057	091041002	31518101BPK100
02202012	02206006	02212071	022291003	033041087	033291016	074011059	091041003	31518102BPK100
02202013	02206007	02212072	022291004	033041088	033291017	074011060	091041004	31518103BPK100
02202014	02206008	02213003	022291005	033041089	033291018	07401108	091041005	31518104BPK100
02202015	02206009	02213007	022291006	033041090	03628001	074011178	091041006	31518105BPK100
02202017	02206010	02213009	022291016	033041091	03628002	074011186	091041007	31518106BPK100
02202018	02206011	02213012	022291017	033041092	03628003	074011187	091041008	31518110BPK100
02202019	02206012	02213013	022291018	033041093	03628004	074011188	091041009	31518111BPK100
02202020	02206013	02213017	022291019	033041094	03628005	074011189	091041010	31518112BPK100
02202021	02207001	02213018	022291020	033041095	03628006	074011195	091041011	31518113BPK100
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02202023	02207003	02213024	022291022	033041097	07310002	074011199	091041013	31518117BPK100
02202024	02207004	02213025	03301001	03305001	07310003	074011229	091041014	31518118BPK100
02202032	02207005	02213026	03301002	03305002	07310004	074011230	091041015	31518119BPK100
02202038	02207006	02213033	03301011	03305003	07310005	074011233	091041016	31518123BPK100
02202039	02207007	02213034	03301012	03305004	07310006	074011234	091041017	31518124BPK100
02202041	02207008	02213041	03301013	03305005	073PG291204	074011236	091041019	31518125BPK100
02202042	02207009	02213042	03301014	03305006	07401001	074011237	091061043	31518126BPK100
02202043	02207010	02216001	03301016	03305011	07401002	074011239	091061044	31518127BPK100
02202044	02207011	02216002	03301017	03308003	07401003	074011244	091061045	31605010GPK100
02202044	02207012	02216003	03301018	03308004	07401004	074011246	091061046	31605015GPK100
02202045	02207013	02216004	03301019	03308005	07401006	074011247	091061047	31622001LPK50
02202046	02208009	02216005	03301020	03308006	07401008	074011248	091061048	31622002LPK50
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RoHS compliance is an on going commitment at Hubbell following is a current list of compliant products at time of this printing. For the most current list, visit us at www.hubbell-wiring.com.

31622003LPK50	ATP1277GY	CAR12	CR5352IGGY	CSB120R	DS120AL	FHC1042	G1200	GFBF20ILA
31622007LPK50	ATP1277I	CAR18	CR5352IGI	CSB120W	DS120BK	FHC1043	GF15ALL	GFBF20L
31622008LPK50	ATP1277W	CAR30	CR5352IGOW	CSB215	DS120GY	FLOCK1	GF15ALLA	GFBF20LA
31648035GPK100	B2025	CC100	CR5352IGW	CSB215AL	DS120I	FLOCK2	GF15ALLABULK	GFBF20LAL
31648036GPK100	B2038	CC320	CRF15	CSB215BK	DS120LA	FPR3SP	GF15ALLBULK	GFBF20LALA
31648037GPK100	B2050	CC3430	CRF15AL	CSB215GY	DS1200W	FPRBRKT1	GF15BKL	GFBF200WL
31648038GPK100	B2075	CC420	CRF15BLK	CSB215I	DS120W	FRF1BK	GF15BKLA	GFBF200WLA
31648039GPK100	B2100	CC520	CRF15GRY	CSB215LA	DS220AL	FRF1BRS	GF15BKLABULK	GFBF20RL
31648042GPK100	B2125	CC530	CRF15I	CSB215W	DS220B	FRF1GY	GF15BKLBULK	GFBF20RLA
31648043GPK100	B2150	CC60	CRF15LA	CSB220	DS220BK	FRF3BK	GF15GYL	GFBF20WL
31648044GPK100	B2200	CCPS1	CRF150W	CSB220AL	DS220GY	FRF3GY	GF15GYLA	GFBF20WLA
31648045GPK100	BB100N	CCPS2	CRF15WHI	CSB220BK	DS220I	FRF3I	GF15GYLABULK	GFR8200HALL
31648046GPK100	BB201W	CCPS3	CRF20	CSB220GY	DS220LA	FRFBLA	GF15GYLBULK	GFR8200HALST
31648047GPK100	BB2030N	CF08	CRF20AL	CSB220I	DS2200W	FRFBRA	GF15IL	GFR8200HBKL
31648048GPK100	BB301W	CF12	CRF20BLK	CSB220LA	DS220W	FRFBRS2A	GF15ILA	GFR8200HBKST
31648050GPK100	BB601W	CF18	CRF20GRY	CSB2200W	DS315	FRFGYA	GF15ILABULK	GFR8200HGYL
31648051GPK100	BB602W	CF30	CRF20I	CSB220R	DS315AL	FRFIA	GF15ILBULK	GFR8200HGYST
31648052GPK100	BB60N	CG304NM	CRF20LA	CSB220W	DS315BK	FRP250	GF15L	GFR8200HIL
31648053GPK100	BCSM12	CG305NM	CRF200W	CSB315	DS315GY	FS2	GF15LA	GFR8200HIST
31648054GPK100	BCSM18	CG306NM	CRF20WHI	CSB315AL	DS315I	FS20	GF15LABULK	GFR8200HL
3SFBCBKA	BCSM30	CG404NM	CS115	CSB315BK	DS315LA	FS25	GF15LAL	GFR8200HOWL
3SFBCBRA	BCSM8	CG404SST	CS115AL	CSB315GY	DS3150W	FS4	GF15LALA	GFR8200HOWST
3SFBCGYA	BKT12A	CG40690NM	CS115GY	CSB315I	DS315W	FS40400	GF15LALABULK	GFR8200HRL
3SFBCIA	BKT12F	CG406NM	CS115LA	CSB315LA	DS320	FS5	GF15LALBULK	GFR8200HRST
5252AAL	BKT12O	CG406SST	CS1150W	CSB315W	DS320AL	FS850	GF15LBULK	GFR8200HST
5252AB	BKT18A	CG40890NM	CS115W	CSB320	DS320BK	FSPFP6X	GF150WL	GFR8200HWL
5252ABLK	BKT18F	CG408NM	CS120	CSB320AL	DS320GY	FSPHD4X	GF150WLA	GFR8200HWST
5252AG	BKT18O	CG408SST	CS120AL	CSB320BK	DS320I	FSPHD6X	GF150WLABULK	GFR8300HALL
5252AI	BKT30A	CG410SST	CS120GY	CSB320GY	DS320LA	FSPLC6	GF150WLBULK	GFR8300HALST
5252ALA	BKT30F	CG60890NM	CS120I	CSB320I	DS3200W	FSPLC06	GF15RL	GFR8300HBKL
5252AOW	BKT30O	CG608NM	CS120LA	CSB320LA	DS320W	FSPLCQ3	GF15RLA	GFR8300HBKST
5252AR	BKTLS	CG608SST	CS1200W	CSB3200W	DS420	FSPLCQ6	GF15RLABULK	GFR8300HGYL
5252AW	BKTMLS	CG61090NM	CS120W	CSB320R	DS420AL	FSPLCQ03	GF15RLBULK	GFR8300HGYST
5262B	BKTMLSF	CG610NM	CS315	CSB320W	DS420BK	FSPLCQ06	GF15WL	GFR8300HIL
5262BLK	BM08M	CG610SST	CS315AL	CSB415	DS420GY	FSPLCQY3	GF15WLA	GFR8300HIST
5262G	BM12M	CG61290NM	CS315GY	CSB415AL	DS420I	FSPLCQY6	GF15WLABULK	GFR8300HL
5262I	BM12N	CG612NM	CS315I	CSB415BK	DS420LA	FSPLCY6	GF15WLBULK	GFR8300HOWL
5262LA	BM16N	CG612SST	CS315LA	CSB415GY	DS4200W	FSPSC6	GF20ALL	GFR8300HOWST
5262OW	BM18M	CG614SST	CS3150W	CSB415I	DS420W	FSPSCD3	GF20ALLA	GFR8300HRL
5262R	BM18N	CG810NM	CS315W	CSB415LA	EC08	FSPSCDBE3	GF20ALLABULK	GFR8300HRST
5262W	BM20N	CG810SST	CS320	CSB415W	EC08N	FSPSCDBE6	GF20ALLBULK	GFR8300HST
5352AAL	BM22N	CG81290NM	CS320AL	CSB420	EC12	FSPSCD03	GF20BKL	GFR8300HWL
5352AB	BM30M	CG812NM	CS320GY	CSB420AL	EC12N	FSPSCDY3	GF20BKLA	GFR8300HWST
5352ABLK	BM30N	CG812SST	CS320I	CSB420BK	EC18	FSPSCST3	GF20BKLABULK	GFSP15
5352AG	BM36N	CG81490NM	CS320LA	CSB420GY	EC18N	FSPSCST6	GF20BKLBULK	GFSP15AL
5352AI	BR106AL	CG814NM	CS3200W	CSB420I	EC30	FSPST6	GF20GYL	GFSP15BK
5352ALA	BR106B	CG814SST	CS320W	CSB420LA	EC30N	FT10BK3	GF20GYLA	GFSP15I
5352AOW	BR106C	CG816NM	CS6360C	CSB4200W	F1339	FT10BK5	GF20GYLABULK	GFSP15LA
5352AR	BR106E	CG816SST	CS6361C	CSB420R	F1340	FT10Y3	GF20GYLBULK	GFSP15W
5352AW	BR106G	CKL333	CS6364C	CSB420W	F1539	FT10Y5	GF20IL	GFST15
5362B	BR106LA	CKL716	CS6365C	CSM12LP	F2025	FT202W	GF20ILA	GFST15AL
5362BL	BR106W	CKL751	CS6375	CSM18	F20259	FT2BG10	GF20ILABULK	GFST15ALBULK
5362BLK	BR15	CKLCAT60	CS6377	CSM30	FAQLCMPB6	FT2BK10	GF20ILBULK	GFST15BK
5362G	BR15AL	CKLCAT70	CS8164C	CSM8	FASCEMPB6	FT2BR10	GF20L	GFST15BKBULK
5362I	BR15BLK	CLAMPB	CS8165C	CTK	FASCMPB6	FT2GY10	GF20LA	GFST15BULK
5362LA	BR15GRY	CR15	CS8175	DR15	FASCSMPB12	FT2Y10	GF20LABULK	GFST15GY
5362OW	BR15I	CR15AL	CS8264C	DR15AL	FASCSTSEMPB12	FT302W	GF20LAL	GFST15GYBULK
5362R	BR15LA	CR15BLK	CS8265C	DR15BLK	FASTSCEMPB6	FT3BG25	GF20LALA	GFST15I
5362W	BR15OW	CR15GRY	CS8275	DR15GRY	FASTSCMPB6	FT3BG5	GF20LALABULK	GFST15IBULK
9053A	BR15WHI	CR15I	CS8364C	DR15I	FB12	FT3BK25	GF20LALBULK	GFST15LA
9054A	BR20	CR15LA	CS8365C	DR15LA	FB18	FT3BK5	GF20LBULK	GFST15LABULK
9GC10	BR20AL	CR150W	CS8375	DR150W	FB22	FT3BR25	GF200WL	GFST150W
9ST10	BR20BLK	CR15WHI	CS8464C	DR15WHI	FB30	FT3BR5	GF200WLA	GFST150WBULK
A460P9	BR20GRY	CR20	CS8465C	DR20	FB47	FT3GY25	GF200WLABULK	GFST15R
A5100P9	BR20I	CR20AL	CS8475	DR20AL	FCLC50GM10	FT3GY5	GF200WLBULK	GFST15RBULK
A560P9	BR20LA	CR20BLK	CSB115	DR20BLK	FCLC50M10	FT3Y25	GF20RL	GFST15W
AAB08	BR200W	CR20GRY	CSB115AL	DR20GRY	FCLC62M10	FT3Y5	GF20RLA	GFST15WBULK
AAB12	BR20WHI	CR20I	CSB115BK	DR20I	FCSC50GM10	FT4BK25	GF20RLABULK	GFST20
AAB18	BRFTP4P	CR20LA	CSB115GY	DR20LA	FCSC50M10	FT4BK5	GF20RLBULK	GFST20AL
AAB22	BRS2RCA	CR200W	CSB115I	DR200W	FCSC62M10	FT4GY25	GF20WL	GFST20ALBULK
AAB30	CA100	CR20WHI	CSB115LA	DR20WHI	FCSCM10	FT4Y25	GF20WLA	GFST20BK
AAB47	CA320	CR5252IG	CSB115W	DS115	FCW12SP	FT4Y5	GF20WLABULK	GFST20BKBULK
AAB47SS	CA3430	CR5252IGBK	CSB120	DS115AL	FCW4SP	FTU2SP	GF20WLBULK	GFST20BULK
AB12	CA420	CR5252IGGY	CSB120AL	DS115BK	FF2BK	FTU4SP	GFBF20ALL	GFST20GY
AB18	CA520	CR5252IGI	CSB120BK	DS115GY	FF2BRS	G1038	GFBF20ALLA	GFST20GYBULK
AB22	CA530	CR5252IGOW	CSB120GY	DS115I	FF2GY	G1050	GFBF20BKL	GFST20I
AB30	CA60	CR5252IGW	CSB120I	DS115LA	FHC1022	G1075	GFBF20BKLA	GFST20IBULK
AB47	CAH12	CR5352IG	CSB120LA	DS115W	FHC1023	G1100	GFBF20GYL	GFST20LA
AT1277I	CAH18	CR5352IGBK	CSB1200W	DS120	FHC1033	G1125	GFBF20GYLA	GFST20LABULK
AT1277W	CAH30	CR5352IGBL			FHC1034	G1150	GFBF20IL	

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GFST200W	HBL1221L	HBL15W47	HBL20GB618GY	HBL2313EBK	HBL2410AR	HBL2475DBRIV	HBL2615	HBL2723SW
GFST200WBULK	HBL1221PL	HBL18201CN	HBL20GB618IV	HBL2313SW	HBL2410BDIV	HBL2489IV	HBL2615F	HBL2725
GFST20R	HBL1221PLC	HBL18201ICN	HBL20GBA512GY	HBL2313VBK	HBL2410BIV	HBL24CM11	HBL2615SW	HBL2725SW
GFST20RBULK	HBL1221PLG	HBL18203CN	HBL20GBA512IV	HBL2313VY	HBL2410CIV	HBL24CM13	HBL2616	HBL2726
GFST20W	HBL1221R	HBL18203ICN	HBL20GBA609GY	HBL2315	HBL2410DFOIV	HBL24CM21	HBL2616F	HBL2730
GFST20WBULK	HBL1221RKL	HBL18203LCN	HBL20GBA609IV	HBL2315SW	HBL2410FCIV	HBL24CM23	HBL2620	HBL2730AR
GFSTBF20	HBL1221W	HBL18204ICN	HBL20GBA612GY	HBL2316	HBL2410RT	HBL24CM31	HBL2620AR	HBL2730SR
GFSTBF20AL	HBL1222	HBL18221CN	HBL20GBA612IV	HBL2320	HBL2410SR	HBL24CM33	HBL2620RT	HBL2730SR2
GFSTBF20BK	HBL1222BK	HBL18221ICN	HBL20GBA618GY	HBL2320AR	HBL2410SR2	HBL24DRK	HBL2620SR	HBL2730SW
GFSTBF20GY	HBL1222GY	HBL18223CN	HBL20GBA618IV	HBL2320RT	HBL2410SW	HBL24GB306GY	HBL2620SR2	HBL2731
GFSTBF20I	HBL1222I	HBL18223ICN	HBL20IG306GY	HBL2320SR	HBL2411	HBL24GB306IV	HBL2620SW	HBL2731S
GFSTBF20LA	HBL1222L	HBL2000B5GY	HBL20IG306IV	HBL2320SR2	HBL2411BK	HBL24GB506GY	HBL2621	HBL2731SW
GFSTBF200W	HBL1222PL	HBL2000B5IV	HBL20IG512GY	HBL2320SW	HBL2411DFOIV	HBL24GB506IV	HBL2621BK	HBL2733
GFSTBF20R	HBL1222R	HBL2000BCAGY	HBL20IG512IV	HBL2321	HBL2411IV	HBL24GB512GY	HBL2621F	HBL2733SW
GFSTBF20W	HBL1222RKL	HBL2000BCAIV	HBL20IG606GY	HBL2321BK	HBL2411S	HBL24GB512IV	HBL2621S	HBL2735
GFTR15	HBL1222W	HBL2000BCGY	HBL20IG606IV	HBL2321EBK	HBL2411SW	HBL24GB606GY	HBL2621SW	HBL2735SW
GFTR15AL	HBL1223	HBL2000BCIV	HBL2128	HBL2321S	HBL2413	HBL24GB606IV	HBL2621VBK	HBL2736
GFTR15BK	HBL1223BK	HBL2000CAGY	HBL2129	HBL2321SW	HBL2413BK	HBL24GB612GY	HBL2621VY	HBL2740
GFTR15GY	HBL1223GY	HBL2000CAIV	HBL21414B	HBL2321VBK	HBL2413SW	HBL24GB612IV	HBL2623	HBL2740AR
GFTR15I	HBL1223I	HBL2000CGY	HBL21415B	HBL2321VY	HBL2415	HBL24GB618GY	HBL2623BK	HBL2740SR
GFTR15LA	HBL1223IL	HBL2000CIV	HBL21420	HBL2323	HBL2415DFOIV	HBL24GB618IV	HBL2623F	HBL2740SR2
GFTR150W	HBL1223ILC	HBL2000TFGY	HBL21447	HBL2323BK	HBL2415IV	HBL24GBA512GY	HBL2623SW	HBL2740SW
GFTR15R	HBL1223L	HBL2000TFIV	HBL2152	HBL2323EBK	HBL2415SW	HBL24GBA512IV	HBL2623VBK	HBL2741
GFTR15W	HBL1223PL	HBL2000WC	HBL2152AL	HBL2323SW	HBL2416	HBL24GBA612GY	HBL2623VY	HBL2741S
GFTR20	HBL1223PLC	HBL2000WCA	HBL2152BK	HBL2323VBK	HBL2417DFOIV	HBL24GBA612IV	HBL2625	HBL2741SW
GFTR20AL	HBL1223R	HBL2001C	HBL2152GY	HBL2323VY	HBL2417IV	HBL24GBA618GY	HBL2625F	HBL2743
GFTR20BK	HBL1223RKL	HBL2003SC	HBL2152I	HBL2325	HBL2418DFOIV	HBL24GBA618IV	HBL2625SW	HBL2743SW
GFTR20GY	HBL1223W	HBL2006GY	HBL21520W	HBL2325SW	HBL2418IV	HBL24SRK	HBL2626	HBL2745
GFTR20I	HBL1224	HBL2006IV	HBL2152WA	HBL2326	HBL2420	HBL24W47	HBL2626F	HBL2745SW
GFTR20LA	HBL1224BK	HBL2009GC	HBL2162	HBL2330	HBL2420AR	HBL2510	HBL2630	HBL2746
GFTR200W	HBL1224GY	HBL2010A2GY	HBL2162AL	HBL2330AR	HBL2420REDIV	HBL2510SR	HBL2631	HBL2750
GFTR20R	HBL1224I	HBL2010A2IV	HBL2162BK	HBL2330SR	HBL2420RT	HBL2510SR2	HBL2633	HBL2751
GFTR20W	HBL1224L	HBL2010A3GY	HBL2162GY	HBL2330SR2	HBL2420SR	HBL2510SW	HBL2635	HBL2753
H1KB	HBL1224R	HBL2010A3IV	HBL2162I	HBL2330SW	HBL2420SR2	HBL2511	HBL2636	HBL2755
H320B	HBL1224RKL	HBL2010BGY	HBL21620W	HBL2331	HBL2420SW	HBL2511BK	HBL2640	HBL2756
H320BL	HBL1224W	HBL2010BIV	HBL2162WA	HBL2331S	HBL2421	HBL2511FC	HBL2641	HBL2760
H320C	HBL1259I	HBL2011BRGY	HBL2172	HBL2331SW	HBL2421S	HBL2511S	HBL2643	HBL2761
H320P	HBL1281	HBL2011BRIV	HBL2172GY	HBL2331VBK	HBL2421SW	HBL2511SW	HBL2645	HBL2763
H320R	HBL1281I	HBL2011GY	HBL2172I	HBL2331VY	HBL2423	HBL2513	HBL2646	HBL2765
H320RRT	HBL1281MC	HBL2011IV	HBL2172R	HBL2333	HBL2423SW	HBL2513BK	HBL2650	HBL2766
HBL100RNB	HBL1281MO	HBL2015BRGY	HBL2172WA	HBL2333SW	HBL2425	HBL2513FC	HBL2651	HBL2770
HBL10CM22S	HBL1282	HBL2015BRIV	HBL2182	HBL2333VBK	HBL2425SW	HBL2513SW	HBL2653	HBL2771
HBL10CM23S	HBL1282I	HBL2015GY	HBL2182GY	HBL2335	HBL2426	HBL2515	HBL2655	HBL2773
HBL10CM35S	HBL1283	HBL2015IV	HBL2182I	HBL2335SW	HBL2426IV	HBL2515SW	HBL2656	HBL2775
HBL10CM36S	HBL1283I	HBL2017BRGY	HBL21820W	HBL2336	HBL2430	HBL2516	HBL26CM10	HBL2776
HBL10CM37S	HBL1284	HBL2017BRIV	HBL2182R	HBL2340	HBL2430AR	HBL2520	HBL26CM11	HBL27CM11
HBL10CM41S	HBL1284I	HBL2017TC	HBL2182WA	HBL2341	HBL2430SR	HBL2521	HBL26CM11V	HBL27CM13
HBL1201	HBL1287I	HBL2018BRGY	HBL21CM28	HBL2343	HBL2430SR2	HBL2523	HBL26CM11VB	HBL27CM21
HBL1201AL	HBL1288I	HBL2018BRIV	HBL21CM29	HBL2345	HBL2430SW	HBL2525	HBL26CM13	HBL27CM23
HBL1201GY	HBL1297	HBL2018CGY	HBL21CM414B	HBL2346	HBL2431	HBL2526	HBL26CM13V	HBL27CM31
HBL1201I	HBL1298	HBL2018CIV	HBL2270	HBL2350	HBL2431S	HBL2530	HBL26CM21	HBL27CM33
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HBL1201L	HBL1381I	HBL20403	HBL2274	HBL2353	HBL2433	HBL2533	HBL2710	HBL27CM43
HBL1201PL	HBL1382	HBL20405	HBL22CM427	HBL2355	HBL2433SW	HBL2535	HBL2710AR	HBL2810
HBL1201R	HBL1382I	HBL20406	HBL22CM428	HBL2356	HBL2435	HBL2536	HBL2710RT	HBL2810AR
HBL1201W	HBL1385	HBL20418	HBL23000G	HBL23901HG	HBL2435SW	HBL25414B	HBL2710SR	HBL2810RT
HBL1202	HBL1385I	HBL20424B	HBL23000HG	HBL23909HG	HBL2436	HBL25415B	HBL2710SR2	HBL2810SR
HBL1202I	HBL1385W	HBL20443	HBL23000HG	HBL23CM10	HBL2440	HBL2547	HBL2710SW	HBL2810SR2
HBL1202L	HBL1386	HBL20444B	HBL23001HGB	HBL23CM11	HBL2441	HBL25CM11	HBL2711	HBL2810SW
HBL1203	HBL1386I	HBL20446	HBL23002GB	HBL23CM11V	HBL2443	HBL25CM13	HBL2711BK	HBL2811
HBL1203AL	HBL1386L	HBL20482GY	HBL23005GB	HBL23CM13	HBL24442IV	HBL25W47	HBL2711S	HBL2811BK
HBL1203GY	HBL1388	HBL20482IV	HBL23007	HBL23CM13V	HBL2444D2AIV	HBL2610	HBL2711SW	HBL2811FC
HBL1203I	HBL1388I	HBL2048GY	HBL23014HGB	HBL23CM21	HBL2444DIV	HBL2610AR	HBL2713	HBL2811SW
HBL1203IL	HBL1433	HBL2048IV	HBL23030	HBL23CM23	HBL2444IV	HBL2610RT	HBL2713BK	HBL2813
HBL1203L	HBL1447	HBL2051HGY	HBL23032B	HBL2400B10IV	HBL2445	HBL2610SR	HBL2713SR	HBL2813BK
HBL1203PL	HBL14W33	HBL2051HIV	HBL2310	HBL2400BCIV	HBL2446	HBL2610SR2	HBL2713SW	HBL2813FC
HBL1204	HBL14W47	HBL2089EIV	HBL2310AR	HBL2400BDIV	HBL2447	HBL2610SW	HBL2715	HBL2813SW
HBL1204GY	HBL1533	HBL2089IV	HBL2310RT	HBL2400BIV	HBL24482IV	HBL2611	HBL2715SW	HBL2815
HBL1204I	HBL1547	HBL20GB306GY	HBL2310SR	HBL2400CIV	HBL2448IV	HBL2611BK	HBL2715SWR	HBL2815SW
HBL1204L	HBL1556	HBL20GB306IV	HBL2310SR2	HBL2400DTFIV	HBL2450	HBL2611F	HBL2716	HBL2816
HBL1209	HBL1556GY	HBL20GB506GY	HBL2310SW	HBL2400TFIV	HBL2451	HBL2611S	HBL2720	HBL2820
HBL1209RKL	HBL1556I	HBL20GB506IV	HBL2311	HBL2400WC	HBL2451HIV	HBL2611SW	HBL2720AR	HBL2821
HBL1221	HBL1556L	HBL20GB512GY	HBL2311BK	HBL2401C	HBL2453	HBL2611VBK	HBL2720RT	HBL2823
HBL1221AL	HBL1556R	HBL20GB512IV	HBL2311EBK	HBL2401DC	HBL2455	HBL2611VY	HBL2720SR	HBL2825
HBL1221BK	HBL1557	HBL20GB606GY	HBL2311S	HBL2406IV	HBL2456	HBL2613	HBL2720SR2	HBL2826
HBL1221GY	HBL1557GY	HBL20GB606IV	HBL2311SW	HBL2409GC	HBL2460	HBL2613BK	HBL2720SW	HBL2830
HBL1221I	HBL1557I	HBL20GB609GY	HBL2311VBK	HBL2410	HBL2461	HBL2613F	HBL2721	HBL2831
HBL1221IL	HBL1557W	HBL20GB609IV	HBL2311VY	HBL24106DRK	HBL2463	HBL2613SW	HBL2721S	HBL2833
HBL1221ILC	HBL15W33	HBL20GB612GY	HBL2313	HBL24106RRK	HBL2465	HBL2613VBK	HBL2721SW	HBL2835
HBL1221ILR		HBL20GB612IV	HBL2313BK	HBL2410AIV	HBL2466	HBL2613VY	HBL2723	HBL2836

RoHS compliance is an on going commitment at Hubbell following is a current list of compliant products at time of this printing. For the most current list, visit us at www.hubbell-wiring.com.

HBL2899	HBL3046H2GY	HBL330R4W	HBL400FR	HBL420H	HBL460CS2WR	HBL47472BBSSGY	HBL4794	HBL520R5W
HBL28CM13	HBL3046H2IV	HBL330R6W	HBL400FW	HBL420HGY	HBL460P12W	HBL47472BBSSIV	HBL4795	HBL520R7W
HBL3000BGY	HBL3048RGY	HBL330R7W	HBL400FY	HBL420HI	HBL460P12WR	HBL47472BBTTGY	HBL47CM00	HBL520R9W
HBL3000BIV	HBL3048RIV	HBL3325C	HBL400MBK	HBL420HR	HBL460P5W	HBL47472BBTTIV	HBL47CM15	HBL5221
HBL3000C075GY	HBL3051LEGY	HBL3326C	HBL400MBL	HBL420HW	HBL460P5WR	HBL47472BBXXGY	HBL47CM16	HBL5222
HBL3000C075IV	HBL3051LEIV	HBL332B4W	HBL400MBN	HBL420I	HBL460P7W	HBL47472BBXXIV	HBL47CM20C	HBL5235
HBL3000C195GY	HBL3082GY	HBL332B6W	HBL400MGN	HBL420P12W	HBL460P7WR	HBL47472RRXXGY	HBL47CM29C	HBL5236
HBL3000C195IV	HBL3086GY	HBL332C4W	HBL400MO	HBL420P5W	HBL460P9W	HBL47472RRXXIV	HBL47CM70C	HBL5236M2
HBL3000CEGY	HBL3086IV	HBL332C6W	HBL400MR	HBL420P7W	HBL460P9WR	HBL4747AXGY	HBL47CM79C	HBL5240
HBL3000CEIV	HBL30RGB	HBL332P4W	HBL400MW	HBL420P9W	HBL460PS1W	HBL4747AXIV	HBL4889	HBL5242
HBL3000TFGY	HBL30RNB	HBL332P6W	HBL400MY	HBL420R12W	HBL460PS1WR	HBL4747BBGY	HBL4890	HBL5242GY
HBL3000TFIV	HBL3100B4W	HBL332R4W	HBL4100B12W	HBL420R5W	HBL460PS2W	HBL4747BBIV	HBL4892	HBL5242I
HBL3000WCGY	HBL3100B6W	HBL332R6W	HBL4100B5W	HBL420R7W	HBL460PS2WR	HBL4747BFGY	HBL4AP	HBL5242RT
HBL3001AGY	HBL3100B7W	HBL3330	HBL4100B7W	HBL420R9W	HBL460R12W	HBL4747BFIV	HBL4APBL	HBL5242W
HBL3001GY	HBL3100C4W	HBL3330G	HBL4100B9W	HBL420W	HBL460R5W	HBL4747BRGY	HBL4APGY	HBL5251
HBL3003GY	HBL3100C6W	HBL3331C	HBL4100C12W	HBL430B12W	HBL460R7W	HBL4747BRIV	HBL4API	HBL5251I
HBL3003IV	HBL3100C7W	HBL3331GC	HBL4100C5W	HBL430B5W	HBL460R9W	HBL4747BSGY	HBL4APO	HBL5252
HBL3006EGY	HBL3100CS1W	HBL3333C	HBL4100C7W	HBL430B7W	HBL463B6W	HBL4747BSIV	HBL4APR	HBL5252BK
HBL3006EIV	HBL3100CS1WR	HBL3333GC	HBL4100C9W	HBL430B9W	HBL463C6W	HBL4747BTGY	HBL4APW	HBL5252GY
HBL3007CGY	HBL3100CS2W	HBL3334C	HBL4100CS1W	HBL430C12W	HBL463P6W	HBL4747BTIV	HBL4PB	HBL5252I
HBL300FBK	HBL3100CS2WR	HBL3335C	HBL4100CS1WR	HBL430C5W	HBL463R6W	HBL4747BXGY	HBL4PBBK	HBL5252R
HBL300FBN	HBL3100P4W	HBL3393	HBL4100CS2W	HBL430C7W	HBL4700	HBL4747BXIV	HBL4PBI	HBL5252W
HBL300FGN	HBL3100P6W	HBL3394	HBL4100CS2WR	HBL430C9W	HBL4700I	HBL4747C1GY	HBL50010IV	HBL5253
HBL300FO	HBL3100P6W	HBL3430	HBL4100P12W	HBL430CS1W	HBL4700RT	HBL4747C1IV	HBL5005IV	HBL5256
HBL300FR	HBL3100P6W	HBL3430G	HBL4100P12WR	HBL430CS1WR	HBL4710	HBL4747C2GY	HBL500TFIV	HBL5258
HBL300FW	HBL3100P7W	HBL3431C	HBL4100P5W	HBL430CS2W	HBL4710BGY	HBL4747C2IV	HBL502B	HBL5258I
HBL300FY	HBL3100PS1W	HBL3431GCB	HBL4100P5WR	HBL430CS2WR	HBL4710BIV	HBL4747CVM2GY	HBL503NM	HBL5261
HBL300MBK	HBL3100PS1WR	HBL3433C	HBL4100P7W	HBL430P12W	HBL4710DF0GY	HBL4747CVM2IV	HBL503RI	HBL5261BK
HBL300MBL	HBL3100PS2W	HBL3433GCB	HBL4100P7WR	HBL430P5W	HBL4710DF0IV	HBL4747CVMGY	HBL503SS	HBL5261I
HBL300MBN	HBL3100PS2WR	HBL3434C	HBL4100P9W	HBL430P5WR	HBL4710GY	HBL4747CVMIV	HBL504IV	HBL5261RT
HBL300MGN	HBL3100R4W	HBL3520	HBL4100P9WR	HBL430P7W	HBL4710IV	HBL4747JXGY	HBL504NM	HBL5261W
HBL300MO	HBL3100R6W	HBL3521C	HBL4100PS1W	HBL430P7WR	HBL4710RT	HBL4747JXIV	HBL504RI	HBL5261WRT
HBL300MR	HBL3100R7W	HBL3523C	HBL4100PS1WR	HBL430P9W	HBL4711	HBL4747RFGY	HBL504SS	HBL5261YRT
HBL300MW	HBL3125B6W	HBL3524C	HBL4100PS2W	HBL430P9WR	HBL4711DF0GY	HBL4747RFIV	HBL506IV	HBL5262
HBL300MY	HBL3125C6W	HBL3525C	HBL4100PS2WR	HBL430PS1W	HBL4711DF0IV	HBL4747RXGY	HBL5100B5W	HBL5262BK
HBL3010AEGY	HBL3125P6W	HBL360B4W	HBL4100R12W	HBL430PS1WR	HBL4711IV	HBL4747RXIV	HBL5100B7W	HBL5262GY
HBL3010AEIV	HBL3125R6W	HBL360B6W	HBL4100R5W	HBL430PS2W	HBL4712TXGY	HBL4750	HBL5100B9W	HBL5262I
HBL3010BGY	HBL316B4W	HBL360B7W	HBL4100R7W	HBL430PS2WR	HBL4712TXIV	HBL4750B10GY	HBL5100C5W	HBL5262R
HBL3010BIV	HBL316B6W	HBL360C4W	HBL4100R7W	HBL430R12W	HBL4713	HBL4750B10IV	HBL5100C7W	HBL5262W
HBL3010CGY	HBL316C4W	HBL360C6W	HBL4100R9W	HBL430R5W	HBL4714AGY	HBL4750BP	HBL5100C9W	HBL5266C
HBL3010CIV	HBL316C6W	HBL360C7W	HBL4125B6W	HBL430R7W	HBL4714AIV	HBL4750C075GY	HBL5100CS1W	HBL5266CA
HBL3011EGY	HBL316P4W	HBL360CS1W	HBL4125C6W	HBL430R9W	HBL4715	HBL4750C075IV	HBL5100CS1WR	HBL5266CAT
HBL3011EIV	HBL316P6W	HBL360CS1WR	HBL4125P6W	HBL432C3W	HBL4715C	HBL4750C135GY	HBL5100P5W	HBL5266CBL
HBL3014CGY	HBL316R4W	HBL360CS2W	HBL4125R6W	HBL432C6W	HBL4715DF0GY	HBL4750C135IV	HBL5100P9W	HBL5266EBK
HBL3014CIV	HBL316R6W	HBL360CS2WR	HBL415	HBL432MI3W	HBL4715DF0IV	HBL4750C195GY	HBL5100P9WSH	HBL5269C
HBL3015EGY	HBL317SGY	HBL360P4W	HBL415BK	HBL432P3W	HBL4715GY	HBL4750C195IV	HBL5100PS1W	HBL5269EBK
HBL3015EIV	HBL31CM28	HBL360P6W	HBL415GY	HBL432P6W	HBL4715IV	HBL4750C315GY	HBL5100PS1WR	HBL5273L
HBL3017TCEGY	HBL31CM29	HBL360P7W	HBL415H	HBL432R3W	HBL4716	HBL4750C315IV	HBL5100R5W	HBL5278C
HBL3017TCEIV	HBL3200REDGY	HBL360PS1W	HBL415HI	HBL432R6W	HBL4716C	HBL4750CGY	HBL5100R7W	HBL5279
HBL3018AEGY	HBL3200REDIV	HBL360PS1WR	HBL415HR	HBL4550	HBL4716C	HBL4750CIV	HBL5100R9W	HBL5279C
HBL3018AEIV	HBL320B4W	HBL360PS2W	HBL415HW	HBL4550RT	HBL4717DF0GY	HBL4750DGY	HBL511IV	HBL5284
HBL3027AEGY	HBL320B6W	HBL360PS2WR	HBL415I	HBL4560	HBL4717DF0IV	HBL4750GY	HBL5125B6W	HBL5289
HBL3027AEIV	HBL320B7W	HBL360R4W	HBL415W	HBL4560RT	HBL4717GY	HBL4750IV	HBL5125C6W	HBL5292
HBL3028GY	HBL320C4W	HBL360R6W	HBL416B6W	HBL4563	HBL4717IV	HBL4750TFGY	HBL5125P6W	HBL5292I
HBL3028IV	HBL320C6W	HBL360R7W	HBL416C6W	HBL4570C	HBL4717NGY	HBL4750TFIV	HBL5125R6W	HBL52CM21
HBL3031	HBL320C7W	HBL363B6W	HBL416P6W	HBL4570CA	HBL4717NIV	HBL4750WCGY	HBL512IV	HBL52CM21W
HBL3031I	HBL320P4W	HBL363C6W	HBL416R6W	HBL4573VBK	HBL4717TCAGY	HBL4751AC	HBL515CV0	HBL52CM22
HBL3031PL	HBL320P6W	HBL363P6W	HBL420	HBL4573VY	HBL4718DF0GY	HBL4751DA	HBL516B6W	HBL52CM61
HBL3032	HBL320P7W	HBL363R6W	HBL4200CS1W	HBL4579C	HBL4718DF0IV	HBL4756AGY	HBL516C6W	HBL52CM62
HBL3032I	HBL320R4W	HBL3720	HBL4200CS1WR	HBL4579VBK	HBL4718GY	HBL4756AIV	HBL516P6W	HBL52CM62I
HBL3032PL	HBL320R6W	HBL3721	HBL4200CS2W	HBL4579VY	HBL4718IV	HBL4760	HBL516R6W	HBL52CM66C
HBL3033	HBL320R7W	HBL3723	HBL4200CS2WR	HBL4585	HBL4720C	HBL4760C	HBL517IV	HBL52CM66V
HBL3033I	HBL3226	HBL3725	HBL4200PS1W	HBL4585C	HBL4720CA	HBL4761	HBL518IV	HBL52CM69C
HBL3033JEGY	HBL330B4W	HBL3726	HBL4200PS1WR	HBL4586	HBL4720CBK	HBL4763	HBL5200CS1W	HBL52CM69V
HBL3033JEIV	HBL330B6W	HBL3762C	HBL4200PS2W	HBL4586C	HBL4723VBK	HBL4770C	HBL5200CS1WR	HBL52CM80C
HBL3036HEGY	HBL330B7W	HBL3763C	HBL4200PS2WR	HBL45905	HBL4723VY	HBL4770CA	HBL5200PS1W	HBL5302
HBL3036HEIV	HBL330C4W	HBL3764C	HBL4200RS1W	HBL45CM70C	HBL4724REDIV	HBL4773VBK	HBL5200PS1WR	HBL530B5W
HBL303INT	HBL330C6W	HBL3765C	HBL4200RS1WR	HBL45CM79C	HBL4729C	HBL4773VY	HBL5200RS1W	HBL530B7W
HBL303NM	HBL330C7W	HBL3767	HBL4200RS2W	HBL45WAA	HBL4729CA	HBL4774AGY	HBL5200RS1WR	HBL530B9W
HBL303SS	HBL330CS1W	HBL3768	HBL4200RS2WR	HBL460B12W	HBL4729CBK	HBL4774AIV	HBL5205W0	HBL530C5W
HBL303SSBL	HBL330CS1WR	HBL3769	HBL420B12W	HBL460B5W	HBL4729VBK	HBL4779C	HBL5206W0	HBL530C7W
HBL303SS0	HBL330CS2W	HBL3771	HBL420B5W	HBL460B7W	HBL4729VY	HBL4779VBK	HBL520B5W	HBL530C9W
HBL3040CEGY	HBL330CS2WR	HBL3775	HBL420B7W	HBL460B9W	HBL4746H2GY	HBL4779VY	HBL520B7W	HBL530CS1W
HBL3040CEIV	HBL330P4W	HBL3777	HBL420B9W	HBL460C12W	HBL4746H2IV	HBL4785	HBL520B9W	HBL530CS1WR
HBL3043BEGY	HBL330P6W	HBL3WAA	HBL420BK	HBL460C5W	HBL47472BBBBGY	HBL4785C	HBL520C5W	HBL530P5W
HBL3043BEIV	HBL330P7W	HBL400FBK	HBL420C12W	HBL460C7W	HBL47472BBBBIV	HBL4786	HBL520C7W	HBL530P7W
HBL30442GY	HBL330PS1W	HBL400FBL	HBL420C5W	HBL460C9W	HBL47472BBRRGY	HBL4786AGY	HBL520C9W	HBL530P9W
HBL30442IV	HBL330PS1WR	HBL400FBN	HBL420C7W	HBL460CS1W	HBL47472BBRRIV	HBL4786AIV	HBL520P5W	HBL530PS1W
HBL3046BEGY	HBL330PS2W	HBL400FGN	HBL420C9W	HBL460CS1WR		HBL4786C	HBL520P7W	HBL530PS1WR
HBL3046BEIV	HBL330PS2WR	HBL400F0	HBL420GY	HBL460CS2W		HBL4792	HBL520P9W	HBL530R5W

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HBL530R7W	HBL560R7W	HBL57482W	HBL60CM75	HBL6718DFOIV	HBL717IV	HBL7551	HBL8210R	HBL9430A
HBL530R9W	HBL560R9W	HBL57483IV	HBL60RNB	HBL6718GY	HBL717W	HBL7555	HBL8210W	HBL9431C
HBL532B6W	HBL563B6W	HBL57483W	HBL6187	HBL6718IV	HBL718IV	HBL7555G	HBL8215C	HBL9432C
HBL5342	HBL563C6W	HBL57484IV	HBL61CM03	HBL6746HHHGY	HBL718W	HBL7556	HBL8215CAT	HBL9450A
HBL5342GY	HBL563P6W	HBL57485IV	HBL61CM03W	HBL6746HHHIV	HBL7210B	HBL7556G	HBL8215CT	HBL9451C
HBL5342I	HBL563R6W	HBL57486IV	HBL61CM05	HBL67473BBBBBBGY	HBL7217B	HBL7557	HBL8219C	HBL9452C
HBL5342RT	HBL5651	HBL5748IV	HBL61CM08	HBL67473BBBBBIV	HBL7250	HBL7557G	HBL8219CT	HBL9460A
HBL5342W	HBL5652	HBL5748SIV	HBL61CM08W	HBL67473BBBBFFGY	HBL7251C	HBL7565C	HBL8284	HBL9461C
HBL5351	HBL5652I	HBL5748SW	HBL61CM100	HBL67473BBBBFFIV	HBL7298	HBL7565CY	HBL8284I	HBL9462C
HBL5352	HBL5656	HBL5748W	HBL61CM22	HBL67473BBBBSSGY	HBL7301A	HBL7567C	HBL8300	HBL9758VY
HBL5352BK	HBL5658	HBL57512IV	HBL61CM22W	HBL67473BBBBSSIV	HBL7302C	HBL7567CY	HBL8300GY	HBL9965C
HBL5352BL	HBL5661	HBL57513AIV	HBL61CM25	HBL67473BBBBTTGY	HBL7303C	HBL7570	HBL8300H	HBL9965GCB
HBL5352GY	HBL5661I	HBL5751AIV	HBL61CM42	HBL67473BBBBTTIV	HBL7310B	HBL7571	HBL8300HG	HBL9977C
HBL5352I	HBL5661RT	HBL5751AW	HBL61CM42W	HBL67473BBBBXXGY	HBL7310BG	HBL7580	HBL8300HI	HBL99CM65C
HBL5352R	HBL5662	HBL5751IV	HBL61CM43	HBL67473BBBBXXIV	HBL7314C	HBL7580G	HBL8300HLA	HBLALU01
HBL5352W	HBL5662I	HBL5751W	HBL61CM52	HBL67473BBRRRRGY	HBL7314GCB	HBL7582	HBL8300HR	HBLALU09
HBL5357	HBL5666C	HBL5752IV	HBL61CM52W	HBL67473BBRRRRIV	HBL7320	HBL7582G	HBL8300HW	HBLALU17A
HBL5358	HBL5666CA	HBL5752R	HBL61CM53	HBL67473RRRRXXGY	HBL7341	HBL7593	HBL8300I	HBLALU2000B10
HBL5361	HBL5666VY	HBL5753IV	HBL61CM53W	HBL67473RRRRXXIV	HBL7341SS	HBL7593V	HBL8300LA	HBLALU2000B5
HBL5361BK	HBL5669C	HBL5753R	HBL61CM54	HBL6747AXXGY	HBL7342RKL	HBL7594	HBL8300R	HBLALU2000C5
HBL5361GRY	HBL5669VY	HBL5760IV	HBL61CM55	HBL6747AXXIV	HBL7349	HBL7594V	HBL8300W	HBLALU2000WC
HBL5361I	HBL5678C	HBL5780	HBL61CM56	HBL6747BBBGY	HBL7371	HBL7595	HBL8310	HBLALU2001
HBL5361RT	HBL5679C	HBL5781	HBL61CM59	HBL6747BBBIV	HBL7372RKL	HBL7595N	HBL8310GY	HBLALU2003
HBL5361W	HBL5684	HBL5781A	HBL61CM64	HBL6747BBFGY	HBL7379	HBL7596	HBL8310I	HBLALU2006
HBL5362	HBL56CM66C	HBL5782A	HBL61CM64BK	HBL6747BBFIV	HBL7382	HBL7596N	HBL8310R	HBLALU2009
HBL5362BK	HBL5700FIV	HBL5782C	HBL61CM65	HBL6747BBSGY	HBL7383	HBL7598	HBL8310W	HBLALU2010A
HBL5362BL	HBL5701C	HBL5783IV	HBL61CM71	HBL6747BBSIV	HBL73CM14C	HBL7716C	HBL8315C	HBLALU2010B
HBL5362GY	HBL5703IV	HBL5784IV	HBL61CM72	HBL6747BBTGY	HBL7408C	HBL7717C	HBL8315CAT	HBLALU2011
HBL5362I	HBL5709	HBL5785IV	HBL620BCK	HBL6747BBTIV	HBL7409C	HBL7764C	HBL8315CT	HBLALU2015
HBL5362M4	HBL5709GC	HBL5785W	HBL620C	HBL6747BRRGY	HBL7410B	HBL7765C	HBL8319C	HBLALU2017
HBL5362R	HBL5711BRIV	HBL5786AIV	HBL624BCK	HBL6747BRRIV	HBL7410BG	HBL7770	HBL8319CT	HBLALU2018
HBL5362W	HBL5711LHIV	HBL5786AW	HBL624CUT	HBL6747BXXGY	HBL7411C	HBL7774WO	HBL8330A	HBLALU2038
HBL5364VBK	HBL5711LHW	HBL5786IV	HBL630B	HBL6747BXXIV	HBL7411GCB	HBL7777	HBL8331C	HBLALU2040A
HBL5364VY	HBL5711RHIV	HBL5786W	HBL630BDK	HBL6747C1GY	HBL7413C	HBL7777A	HBL8350A	HBLALU2043
HBL5366C	HBL5711RHW	HBL5790B	HBL630C	HBL6747C1IV	HBL7413GCB	HBL77CM15	HBL8352C	HBLALU2044
HBL5366CA	HBL5715BRIV	HBL5865VY	HBL630CDK	HBL6747C2GY	HBL7417B	HBL77CM15W	HBL8364V	HBLALU20442
HBL5369C	HBL5715IV	HBL5866VY	HBL6375S	HBL6747C2IV	HBL7420	HBL77CM16	HBL8384	HBLALU2047
HBL5369VBK	HBL5715W	HBL5869VY	HBL63CM61	HBL6747JXXGY	HBL7423WO	HBL77CM16W	HBL8384I	HBLALU20472
HBL5369VY	HBL5717BRIV	HBL5963VBK	HBL63CM64	HBL6747JXXIV	HBL7425WOA	HBL77CM17	HBL8400	HBLALU2051H
HBL5378C	HBL5718BRIV	HBL5963VY	HBL63CM65	HBL6747RRFGY	HBL7428WOG	HBL77CM67	HBL8400I	HBLALU20GB306
HBL5379C	HBL5719IV	HBL5965VBLK	HBL63CM69	HBL6747RRFIV	HBL7428WOR	HBL77CM74WO	HBL8410	HBLALU20GB512
HBL5392	HBL5719W	HBL5965VGY	HBL640B	HBL6747RXXGY	HBL7428WOY	HBL77CM77A	HBL8411C	HBLALU20GB606
HBL53CM61	HBL57242IV	HBL5965VY	HBL640BDK	HBL6747RXXIV	HBL7432	HBL7810D	HBL8420	HBLALU20GB612
HBL53CM62	HBL5731IV	HBL5966VBLK	HBL640C	HBL6750B10GY	HBL7433	HBL7810DS	HBL8421C	HBLALU20GB618
HBL53CM66C	HBL5733IV	HBL5966VY	HBL640CDK	HBL6750B10IV	HBL7440V	HBL7832D	HBL8430A	HBLALU20GBA606
HBL53R61	HBL5735IV	HBL5969VBLK	HBL64CM54	HBL6750C075GY	HBL7459V	HBL7832DS	HBL8431C	HBLALU20GBA612
HBL5461	HBL5736IV	HBL5969VGY	HBL64CM55	HBL6750C075IV	HBL7464V	HBL7832DX	HBL8432C	HBLALU20GBA618
HBL5461I	HBL5736W	HBL5969VY	HBL64CM56	HBL6750C135GY	HBL7465V	HBL7842D	HBL8450A	HBLALU20IG306
HBL5462	HBL5737AIV	HBL600B	HBL64CM57	HBL6750C135IV	HBL7466	HBL7843D	HBL8451C	HBLALU20IG506
HBL5462BK	HBL5737AW	HBL60100RGB	HBL64CM59	HBL6750C195GY	HBL7467	HBL7852D	HBL8452C	HBLALU20IG606
HBL5462GY	HBL5737IV	HBL6017	HBL660B	HBL6750C195IV	HBL7468	HBL7853D	HBL8460A	HBLALU24GB306
HBL5462I	HBL5737W	HBL6018	HBL660BDK	HBL6750C315GY	HBL7484	HBL7862D	HBL8461C	HBLALU24GB506
HBL5462R	HBL5738AFIV	HBL6019	HBL660C	HBL6750C315IV	HBL7484V	HBL7862FWD	HBL8462C	HBLALU24GB512
HBL5464VY	HBL5738AFW	HBL6023	HBL660CDK	HBL6750CGY	HBL7485	HBL7863D	HBL8464V	HBLALU24GB606
HBL5466C	HBL5738AIV	HBL6024	HBL6710BGY	HBL6750CIV	HBL7485V	HBL7863FWD	HBL8469V	HBLALU24GB612
HBL5466CA	HBL5738AW	HBL6027	HBL6710BIV	HBL6750DAGY	HBL7486	HBL7882D	HBL8600	HBLALU24GB618
HBL5469C	HBL5738IV	HBL6028	HBL6710DFOGY	HBL6750GY	HBL7486N	HBL7883D	HBL8600I	HBLALU24GBA606
HBL5469VY	HBL5738W	HBL6031	HBL6710DFOIV	HBL6750IV	HBL7487	HBL7940	HBL8666V	HBLALU24GBA612
HBL5478C	HBL5739AABIV	HBL6032	HBL6710GY	HBL6750TFGY	HBL7487N	HBL7958	HBL8809C	HBLALU24GBA618
HBL5479C	HBL5739AIV	HBL6035	HBL6710IV	HBL6750TFIV	HBL7489	HBL7962	HBL8815C	HBLALU24IG306
HBL5492	HBL5739IV	HBL6036	HBL6711DFOGY	HBL6750WCGY	HBL7490V	HBL7968	HBL9259	HBLALU24IG506
HBL5492I	HBL5739W	HBL605CUT	HBL6711DFOIV	HBL6751A	HBL7495V	HBL7977	HBL9308	HBLALU24IG606
HBL54CM66C	HBL57442IV	HBL605K	HBL6711GY	HBL6751DAGY	HBL7498	HBL8013V	HBL9309	HBLALU2C57
HBL5552B	HBL57442W	HBL607CUT	HBL6711IV	HBL6756AGY	HBL74CM23WO	HBL8115V	HBL9315	HBLALU34DRBM
HBL560B5W	HBL57443IV	HBL607K	HBL6712TXGY	HBL6756AIV	HBL74CM25WOA	HBL8119V	HBL9319	HBLALU34EBM
HBL560B7W	HBL5744IV	HBL60CM17	HBL6712TXIV	HBL6774AGY	HBL74CM25WOAW	HBL8200	HBL9330	HBLALU34FBM
HBL560B9W	HBL5744S2IV	HBL60CM18	HBL6714AGY	HBL6774AIV	HBL75010IV	HBL8200GY	HBL9331	HBLALU34GBM
HBL560B9W	HBL5744S2W	HBL60CM19	HBL6714AIV	HBL6786GY	HBL75010W	HBL8200H	HBL9333	HBLALU34JBM
HBL560C5W	HBL5744S3IV	HBL60CM23	HBL6715DFOGY	HBL6786IV	HBL7505IV	HBL8200HG	HBL9337C	HBLALU34NBM
HBL560C7W	HBL5744SIV	HBL60CM24	HBL6715DFOIV	HBL6810	HBL7506C	HBL8200HI	HBL9350	HBLALU3800B10
HBL560C9W	HBL5744SW	HBL60CM31	HBL6715GY	HBL702B	HBL750TFIV	HBL8200HLA	HBL9360	HBLALU3806
HBL560CS1W	HBL5744W	HBL60CM31V	HBL6715IV	HBL704IV	HBL7513C	HBL8200HR	HBL9361	HBLALU3810B
HBL560CS1WR	HBL5745IV	HBL60CM31W	HBL6717DFOGY	HBL704W	HBL7515C	HBL8200HW	HBL9365	HBLALU3810B1
HBL560P5W	HBL5745W	HBL60CM32	HBL6717DFOIV	HBL706IV	HBL7524C	HBL8200I	HBL9367	HBLALU3811
HBL560P7W	HBL57472IV	HBL60CM32V	HBL6717GY	HBL706W	HBL7526	HBL8200LA	HBL9368	HBLALU3815
HBL560P9W	HBL57472W	HBL60CM33	HBL6717IV	HBL7101C	HBL7526C	HBL8200R	HBL9379	HBLALU3817
HBL560P9WR	HBL57473IV	HBL60CM33W	HBL6717NGY	HBL7102C	HBL7529	HBL8200W	HBL9395	HBLALU3817N
HBL560PS1W	HBL5747IV	HBL60CM35	HBL6717NIV	HBL711IV	HBL7535	HBL8210	HBL9419	HBLALU3818
HBL560PS1WR	HBL5747W	HBL60CM36	HBL6717TCAGY	HBL711W	HBL7540	HBL8210GY	HBL9420	HBLALU4800B10
HBL560R5W	HBL57482IV		HBL6718DFOGY	HBL712IV	HBL7545C	HBL8210I	HBL9425	HBLALU4806

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HBLALU4810B	HBLFRO	HBLST302SGY	HCMS06106	HJ1042BPK25	HLO1290B	HPMA09112	HSQ48	IDF32
HBLALU4810B2	HBLFRR	HBLTBK	HCMS06112	HJ1042GPK25	HLO1290G	HPMA10103	HSQ4826	IDF42
HBLALU4811	HBLFRSBK	HBLTBL	HCMS07103	HJ1043BPK25	HLO1890B	HPMA10106	HSQ4836	IEI100
HBLALU4815	HBLFRSBN	HBLTBN	HCMS07106	HJ1043GPK25	HLO1890G	HPMA10112	HSQ48S	IEI100C
HBLALU4817	HBLFRSCBK	HBLTGN	HCMS07112	HJ1044BPK25	HLO2490B	HPMA12103	HSQ48S26	IEI100T
HBLALU4817N	HBLFRSCBL	HBLTL318GY	HCMS08103	HJ1044GPK25	HLO2490G	HPMA12106	HSQ48S36	IFP11AL
HBLALU4818	HBLFRSCBN	HBLTL319SGY	HCMS08106	HJ1055BPK25	HLP010B	HPMA12112	HWKGT	IFP11BK
HBLALU5000B10	HBLFRSCGN	HBLTO	HCMS08112	HJ1055GPK25	HLP010G	HPMS02103	HXJ5EAL	IFP11EI
HBLALU5006	HBLFRSCO	HBLTO310SGY	HCMS09103	HJ1056BPK25	HLP06B	HPMS02106	HXJ5EAL25	IFP11GY
HBLALU5010B	HBLFRSCR	HBLTR	HCMS09106	HJ1056GPK25	HLP06G	HPMS02112	HXJ5EB	IFP11LA
HBLALU5010B2	HBLFRSCW	HBLTRED5B	HCMS09112	HJ1057BPK25	HLP08B	HPMS03103	HXJ5EB25	IFP110W
HBLALU5011	HBLFRSCY	HBLTRED5ECB	HCMS10103	HJ1057GPK25	HLP08G	HPMS03106	HXJ5EBK	IFP11W
HBLALU5015	HBLFRSGN	HBLTRED5ECFB	HCMS10106	HJ1058BPK25	HLRF	HPMS03112	HXJ5EBK25	IFP126AL
HBLALU5017	HBLFRSO	HBLTRED5XB	HCMS10112	HJ1058GPK25	HLS0606B	HPMS04103	HXJ5EEI	IFP126GY
HBLALU5017N	HBLFRSR	HBLTRED5YB	HCMS12103	HJ1059BPK25	HLS0606G	HPMS04106	HXJ5EEI25	IFP1260W
HBLALU5018	HBLFRSW	HBLTT2B	HCMS12106	HJ1059GPK25	HLS0612B	HPMS04112	HXJ5EGN	IFP12AL
HBLALU5701	HBLFRSY	HBLTT3B	HCMS12112	HJ1060BPK25	HLS0612G	HPMS05103	HXJ5EGN25	IFP12BK
HBLALU5709	HBLFRW	HBLTT3ECB	HDMIC1	HJ1060GPK25	HLS0618B	HPMS05106	HXJ5EGY	IFP12EI
HBLALU5717A	HBLFRY	HBLTT545LB	HDMIC10	HJMS02103	HLS0618G	HPMS05112	HXJ5EGY25	IFP12GY
HBLALU57ABRT	HBLIMFSGY	HBLTT545RB	HDMIT1	HJMS02106	HLS0624B	HPMS06103	HXJ5ELA	IFP12LA
HBLALU57BL	HBLKR314SGY	HBLTT5B	HDMIT10	HJMS02112	HLS0624G	HPMS06106	HXJ5ELA25	IFP120W
HBLALU57DR	HBLLT309SGY	HBLTT5ECB	HFP	HJMS03103	HLS1006B	HPMS06112	HXJ5EOR	IFP12W
HBLALU57DRBM	HBLM3FBK	HBLTW	HI114PY	HJMS03106	HLS1006G	HPMS07103	HXJ5EOR25	IFP13AL
HBLALU57E	HBLM3FBL	HBLTY	HI124PY	HJMS03112	HLS1012B	HPMS07106	HXJ5EOW	IFP13BK
HBLALU57EBM	HBLM3FBN	HBLVCGBK	HI14GY	HJMS04103	HLS1012G	HPMS07112	HXJ5EOW25	IFP13EI
HBLALU57F	HBLM3FGN	HC119CC3P	HI14XGY	HJMS04106	HLS1018B	HPMS08103	HXJ5ER	IFP13GY
HBLALU57FBM	HBLM3FO	HC119CE3P	HI1CB2G	HJMS04112	HLS1018G	HPMS08106	HXJ5ER25	IFP13LA
HBLALU57G	HBLM3FR	HC119GC36	HI1CBSS	HJMS05103	HLS1024B	HPMS08112	HXJ5EW	IFP130W
HBLALU57GBM	HBLM3FW	HC119MS3N	HI24GY	HJMS05106	HLS1024G	HPMS09103	HXJ5EW25	IFP13W
HBLALU57KP2G	HBLM3FY	HC219CC3N	HI24XGY	HJMS05112	HLSSK	HPMS09106	HXJ5EY	IFP14AL
HBLALU57LPB	HBLMRBK	HC219CC3P	HI2CBS2G	HJMS06103	HLTK	HPMS09112	HXJ5EY25	IFP14BK
HBLALU57N	HBLMRBL	HC219CE3N	HI2CBSS	HJMS06106	HLTSB06B	HPMS10103	HXJ6AL	IFP14EI
HBLALU57NBM	HBLMRBN	HC219CE3P	HI44XGY	HJMS06112	HLTSB06G	HPMS10106	HXJ6AL25	IFP14GY
HBLALU57WC	HBLMRGN	HC219CE6N	HI5E	HJMS07103	HLTSB12B	HPMS10112	HXJ6B	IFP14LA
HBLALU7606	HBLMRO	HC219GC361	HI5EC	HJMS07106	HLTSB12G	HPMS12103	HXJ6B25	IFP140W
HBLALU7610B	HBLMRR	HC219MS3N	HI5EP	HJMS07112	HLTSB18B	HPMS12106	HXJ6BK	IFP14W
HBLALU7610B2	HBLMRSBK	HC319CE6N	HI5ESC	HJMS08103	HLTSB18G	HPMS12112	HXJ6BK25	IFP16AL
HBLALU7611	HBLMRSBL	HCMA02103	HI6	HJMS08106	HLTSB24B	HPS1347BK	HXJ6EI	IFP16BK
HBLALU7615	HBLMRSBN	HCMA02106	HI64XGY	HJMS08112	HLTSB24G	HPS1347GY	HXJ6EI25	IFP16EI
HBLALU7617	HBLMRSCBK	HCMA02112	HIC	HJMS09103	HLVWBK	HPS1347I	HXJ6GN	IFP16GY
HBLALU7617N	HBLMRSCBL	HCMA03103	HIF100	HJMS09106	HLWRK	HPS1347W	HXJ6GN25	IFP16LA
HBLALU7618	HBLMRSCBN	HCMA03106	HIFD1L	HJMS09112	HLX0612	HPS2347BK	HXJ6GY	IFP160W
HBLALU7620B10	HBLMRSCGN	HCMA03112	HIFD2L	HJMS10103	HLX1518	HPS2347GY	HXJ6GY25	IFP16W
HBLALUABRT	HBLMRSCO	HCMA04103	HIPC100	HJMS10106	HLX24	HPS2347I	HXJ6LA	IFP18AL
HBLALUBL	HBLMRSCR	HCMA04106	HISF11	HJMS10112	HMQAR2	HPS2347W	HXJ6LA25	IFP18GY
HBLALUC5	HBLMRSCW	HCMA04112	HISF12	HJMS12103	HMQAR3	HPS3347I	HXJ6OR	IFP180W
HBLALUC57	HBLMRSCY	HCMA05103	HISF22	HJMS12106	HMSBC	HPS3347W	HXJ6OR25	IFP212BK
HBLALUDR	HBLMRSGN	HCMA05106	HISF24	HJMS12112	HMSBT	HPW48RR19	HXJ6OW	IFP212EI
HBLALUE	HBLMRSO	HCMA05112	HJ1001BPK25	HLBSK	HMSC	HPW48RR23	HXJ6OW25	IFP212GY
HBLALUF	HBLMRSR	HCMA06103	HJ1001GPK25	HLCD06	HMSHC	HPW66RR19	HXJ6R	IFP212LA
HBLALUG	HBLMRSW	HCMA06106	HJ1002BPK25	HLCD12	HMSR150	HPW84RR19	HXJ6R25	IFP2120W
HBLALUJ	HBLMRSY	HCMA06112	HJ1002GPK25	HLCD18	HMSR750	HPW84RR23	HXJ6W	IFP212W
HBLALULPB	HBLMRW	HCMA07103	HJ1003BPK25	HLCDS	HMSS38	HPW90RR19	HXJ6W25	IFP26AL
HBLALULPBA	HBLMRY	HCMA07106	HJ1003GPK25	HLCF	HMSS76	HPW90RR23	HXJ6Y	IFP26BK
HBLALUN	HBLN0309SGY	HCMA07112	HJ1004BPK25	HLCMK	HPCAP1	HPW96RR19	HXJ6Y25	IFP26EI
HBLALUWC	HBLOR306SGY	HCMA08103	HJ1004GPK25	HLD	HPCAP2	HPW96RR23	HXJUAL	IFP26GY
HBLAM303SGY	HBLORT322SGY	HCMA08106	HJ1005BPK25	HLD2	HPCAP3	HPWPWR	HXJUB	IFP26LA
HBLAMP313SGY	HBLP14FS	HCMA08112	HJ1005GPK25	HLDKIT	HPMA02103	HRCAP1	HXJUBK	IFP260W
HBLAT5A	HBLP26FS	HCMA09103	HJ1006BKP25	HLDMP	HPMA02106	HRCAP2	HXJUEI	IFP26W
HBLAT5ERA	HBLP720FS	HCMA09106	HJ1006GKP25	HLECPK2	HPMA02112	HRCAP3	HXJUGN	IFP29BK
HBLAT5KITA	HBLP7FS	HCMA09112	HJ1010BPK25	HLF0690B	HPMA03103	HS1001BPK25	HXJUGY	IFP29EI
HBLAT5RAMPA	HBLP8FS	HCMA10103	HJ1010GPK25	HLF0690G	HPMA03106	HS1001GPK25	HXJULA	IFP29GY
HBLAT5RAMPERA	HBLP8FSY	HCMA10106	HJ1011BPK25	HLF1290B	HPMA03112	HS1002BPK25	HXJUOW	IFP29LA
HBLBL300SGY	HBLPA308SGY	HCMA10112	HJ1011GPK25	HLF1290G	HPMA04103	HS1002GPK25	HXJUOW25	IFP290W
HBLCBINM	HBLPOB1	HCMA12103	HJ1012BPK25	HLF1890B	HPMA04106	HS1003BPK25	HXJUR	IFP29W
HBLCBISS	HBLPOB1D	HCMA12106	HJ1012GPK25	HLF1890G	HPMA04112	HS1003GPK25	HXJUW	IG2152
HBLCSCK	HBLPOB1DY	HCMA12112	HJ1013BPK25	HLF2490B	HPMA05103	HS1004BPK25	HXJUY	IG2162
HBLDE301SGY	HBLPTBK	HCMS02103	HJ1013GPK25	HLF2490G	HPMA05106	HS1004GPK25	HXTA	IG2162GY
HBLF3MBK	HBLPTBL	HCMS02106	HJ1014BPK25	HLI0690B	HPMA05112	HSLDPK2	HXTP25	IG2182
HBLF3MBL	HBLPTBN	HCMS02112	HJ1014GPK25	HLI0690G	HPMA06103	HSQ24	IB100	IG2182I
HBLF3MBN	HBLPTGN	HCMS03103	HJ1015BPK25	HLI1290B	HPMA06106	HSQ2426	IB100C	IG2182WA
HBLF3MGN	HBLPTO	HCMS03106	HJ1015GPK25	HLI1290G	HPMA06112	HSQ2436	IB100T	IG2310
HBLF3MO	HBLPTR	HCMS03112	HJ1038BPK25	HLI1890B	HPMA07103	HSQ24S	IBK100	IG2320
HBLF3MR	HBLPTW	HCMS04103	HJ1038GPK25	HLI1890G	HPMA07106	HSQ24S26	IBK100C	IG2340
HBLF3MW	HBLPTY	HCMS04106	HJ1039BPK25	HLI2490B	HPMA07112	HSQ24S36	IBK100T	IG2410
HBLF3MY	HBLRFT1	HCMS04112	HJ1039GPK25	HLI2490G	HPMA08103	HSQ36	IBN100	IG2420
HBLFRBK	HBLRFT2	HCMS05103	HJ1040BPK25	HLJB	HPMA08106	HSQ3626	IBN100C	IG2510
HBLFRBL	HBLSI305SGY	HCMS05106	HJ1040GPK25	HLMPK19	HPMA08112	HSQ3636	IBN100T	IG2610
HBLFRBN	HBLSS3	HCMS05112	HJ1041BPK25	HLO0690B	HPMA09103	HSQ36S	IDF24	IG2620
HBLFRGN	HBLSS45	HCMS06103	HJ1041GPK25	HLO0690G	HPMA09106	HSQ36S26	IDF24L	IG2710

Wiring Device – Kellems
RoHS Product Index

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IG2720	IM2KA15BK	IMCRS1BK	IN4100CF	ISF4GY	LCFBP26	MCMS2212	MPMS2212	NP11
IG2810	IM2KA15EI	IMCRS1EI	IN4100CM	ISF40W	LCFBP720	MCMS2214	MPMS2214	NP112
IG415	IM2KA15GY	IMCRS1GY	IN4100DF	ISF4W	LCFBP8	MCMS2215	MPMS2215	NP112AL
IG420	IM2KA150W	IMCRS10W	IN4100DFS	ISF6AL	LHIF	MCMS2312	MPMS2312	NP112BK
IG4550A	IM2KA15W	IMCRS1W	IN4100DM	ISF6BK	LNM12BPK100	MCMS2314	MPMS2314	NP112GY
IG4560	IM2SCA2AL	IMF1AL	IN4100DMS	ISF6EI	LNM16BPK100	MCMS2315	MPMS2315	NP112I
IG4700A	IM2SCA2BK	IMF1BK	IN4100FS1	ISF6GY	LNM20BPK100	MCMS2412	MPMS2412	NP1120W
IG4710	IM2SCA2EI	IMF1EI	IN4100FS2	ISF60W	LNM25BPK100	MCMS2414	MPMS2414	NP112W
IG5251	IM2SCA2GY	IMF1GY	IN4100MS1	ISF6W	LNM32BPK100	MCMS2415	MPMS2512	NP113
IG5261	IM2SCA20W	IMF10W	IN4100MS2	ISM12EI	LNM40BPK100	MCMS2512	MPMS2514	NP113AL
IG5262	IM2SCA2W	IMF1W	IN4200FS1	ISM120W	LNP11BPK100	MCMS2514	MPMS2515	NP113BK
IG5262GY	IM3RF1AL	IMF2AL	IN4200FS2	ISM12W	LNP13BPK100	MCMS2515	MPMS2612	NP113GY
IG5262I	IM3RF1BK	IMF2BK	IN4200MS1	ISM1EI	LNP16BPK100	MCMS2612	MPMS2614	NP113I
IG5262R	IM3RF1EI	IMF2EI	IN4200MS2	ISM10W	LNP21BPK100	MCMS2614	MPMS2615	NP113LA
IG5361	IM3RF1GY	IMF2GY	IN420CF	ISM1W	LNP29BPK25	MCMS2615	MRCM1	NP113W
IG5362	IM3RF10W	IMF20W	IN420CM	ISM2EI	LNP36BPK25	MEMS1312	MRCM2	NP11AL
IG5362GY	IM3RF1W	IMF2W	IN420DF	ISM20W	LNP7BPK100	MEMS1314	MSM1A	NP11BK
IG5362I	IM3RS1AL	IMR1101AL	IN420DM	ISM2W	LNP9BPK100	MEMS1315	MSM1B	NP11GY
IG5362R	IM3RS1BK	IMR1101BK	IN430CF	ISM4EI	LR100	MEMS1412	MSM1F	NP11I
IG5362W	IM3RS1EI	IMR1101EI	IN430CM	ISM40W	LR320	MEMS1414	MSM1G	NP11LA
IG5461	IM3RS1GY	IMR1101GY	IN430DF	ISM4W	LR3430	MEMS1415	MTPIMBZOW	NP11R
IG5462	IM3RS10W	IMR11010W	IN430DM	ISM6EI	LR420	MEMS1512	MYMA1A103	NP11W
IG5661	IM3RS1W	IMR1101W	IN430FS1	ISM60W	LR520	MEMS1514	MYMA1A11	NP12
IG5662	IMAR1101AL	IMRSJ1AL	IN430FS2	ISM6W	LR530	MEMS1515	MYMA1A12	NP1214
IG8200	IMAR1101BK	IMRSJ1BK	IN430MS1	IW100	LR60	MEMS2212	MYMA1A203	NP1214AL
IG8200R	IMAR1101EI	IMRSJ1EI	IN430MS2	IW100C	M4100B12R	MEMS2214	MYMA1A21	NP1214BK
IG8210	IMAR1101GY	IMRSJ1GY	IN460CF	IW100T	M4100C12	MEMS2215	MYMS1A103	NP1214GY
IG8300	IMAR11010W	IMRSJ10W	IN460CM	IY100	M4100C12R	MEMS2312	MYMS1A11	NP1214I
IG8300R	IMAR1101W	IMRSJ1W	IN460DF	IY100C	M4100P12	MEMS2314	MYMS1A12	NP1214W
IG8310	IMAVB15AL	IMSP1AL	IN460DFS	IY100T	M4100R12	MEMS2315	MYMS1A16	NP1226
IG9308	IMAVB15BL	IMSP1BK	IN460DM	KP1	M5100B7R	MEMS2412	MYMS1A203	NP1226AL
IG9330	IMAVB15EI	IMSP1EI	IN460DMS	KP14	M5100B9R	MEMS2414	MYMS1A21	NP1226BK
IGN100	IMAVB15GY	IMSP1GY	IN460FS1	KP14AL	M5100C7	MEMS2415	MYMS1B103	NP1226GY
IGN100C	IMAVB150W	IMSP10W	IN460FS2	KP14GY	M5100C7R	MEMS2512	MYMS1G203	NP1226I
IGN100T	IMAVB15W	IMSP1W	IN460MS1	KP1AL	M5100C9	MEMS2514	MYMS2D203	NP1226W
IGY100	IMB05AL	IMSR1101AL	IN460MS2	KP1GY	M5100C9R	MEMS2515	N360BM	NP126
IGY100C	IMB05BK	IMSR1101BK	IN5100EF	KP2	M5100P7	MEMS2612	NHC1010	NP1262
IGY100T	IMB05EI	IMSR1101EI	IN5100EFS	KP212	M5100P9	MEMS2614	NHC1011	NP1262AL
ILR1	IMB05GY	IMSR1101GY	IN5100EM	KP212AL	M5100R7	MEMS2615	NHC1012	NP1262BK
ILR2	IMB050W	IMSR11010W	IN5100EMS	KP212GY	M5100R9	MIMS1312	NHC1020	NP1262GY
ILR3	IMB05W	IMSR1101W	IN5100FS1	KP2140	MB2003W	MIMS1314	NHC1020CR	NP1262I
ILR4	IMB15AL	IMSV351101BK	IN5100MS1	KP2140AL	MB2004W	MIMS1315	NHC1021	NP1262LA
ILR5	IMB15BK	IMSV351101EI	IN5200FS1	KP2140GY	MB302W	MIMS1412	NHC1021CR	NP1262W
IM1IA15AL	IMB15EI	IMSV351101GY	IN5200MS1	KP2162	MB603W	MIMS1414	NHC1022	NP126AL
IM1IA15BK	IMB15GY	IMSV351101OW	IN520EF	KP2162AL	MCCBP350	MIMS1415	NHC1022CR	NP126BK
IM1IA15EI	IMB150W	IMSV351101W	IN520EM	KP2162GY	MCCPSS19	MIMS1512	NHC1023	NP126GY
IM1IA15GY	IMB15W	IN3100AF	IN530EF	KP2163	MCCPSS19TS	MIMS1514	NHC1023CR	NP126I
IM1IA15OW	IMB1AL	IN3100AM	IN530EM	KP2163AL	MCMA1312	MIMS1515	NHC1024	NP126LA
IM1IA15W	IMB1BK	IN3100BF	IN530FS1	KP2163GY	MCMA1314	MIMS2212	NHC1024CR	NP126W
IM1K1AL	IMB1EI	IN3100BFS	IN530MS1	KP24	MCMA1315	MIMS2214	NHC1035	NP128
IM1K1BK	IMB1GY	IN3100BM	IN560EF	KP26	MCMA1412	MIMS2215	NHC1035CR	NP128AL
IM1K1EI	IMB1OW	IN3100BMS	IN560EFS	KP262	MCMA1414	MIMS2312	NHC1036	NP128BK
IM1K1GY	IMB1W	IN3100FS1	IN560EM	KP26AL	MCMA1415	MIMS2314	NHC1036CR	NP128GY
IM1K10W	IMBDSA15AL	IN3100FS2	IN560EMS	KP26GY	MCMA1512	MIMS2315	NHC1037	NP128I
IM1K1W	IMBDSA15BK	IN3100MS1	IN560FS1	KP7	MCMA1514	MIMS2412	NHC1037CR	NP128W
IM1KA15AL	IMBDSA15EI	IN3100MS2	IN560MS1	KP720	MCMA1515	MIMS2414	NHC1038	NP12AL
IM1KA15BK	IMBDSA15GY	IN3200FS2	IOR100	KP720AL	MCMA2212	MIMS2415	NHC1038CR	NP12BK
IM1KA15EI	IMBDSA15LA	IN3200MS2	IOR100C	KP720GY	MCMA2214	MIMS2512	NHC1040	NP12GY
IM1KA15GY	IMBDSA150W	IN320AF	IOR100T	KP7AL	MCMA2215	MIMS2514	NHC1041	NP12I
IM1KA150W	IMBDSA15TI	IN320AM	IP100	KP7GY	MCMA2312	MIMS2515	NHC1041CR	NP12W
IM1KA15W	IMBDSA15W	IN320BF	IP100C	KP8	MCMA2314	MIMS2612	NHC1042	NP13
IM1SCA15AL	IMCR1101AL	IN320BM	IP100T	KP82	MCMA2315	MIMS2614	NHC1042CR	NP13
IM1SCA15BK	IMCR1101BK	IN330AF	IR100	KP8AL	MCMA2412	MIMS2615	NHC1043	NP1326
IM1SCA15EI	IMCR1101EI	IN330AM	IR100C	KP8GY	MCMA2414	MPCM1	NHC1043CR	NP1326AL
IM1SCA15GY	IMCR1101GY	IN330BF	IR100T	KPIMBZAL	MCMA2415	MPCM2	NHC1044	NP1326BK
IM1SCA150W	IMCR11010W	IN330BM	ISF2AL	KPIMBZGY	MCMA2512	MPMA2212	NHC1051	NP1326GY
IM1SCA15W	IMCR1101W	IN330FS1	ISF2BK	KPIMBZOW	MCMA2515	MPMA2214	NHC1052	NP1326I
IM2IA15AL	IMCRF1AL	IN330FS2	ISF2EI	KPORTAL	MCMA2612	MPMA2215	NHC1053	NP1326LA
IM2IA15BK	IMCRF1BK	IN330MS1	ISF2GY	KPORTGY	MCMA2614	MPMA2312	NHC1054	NP1326W
IM2IA15EI	IMCRF1EI	IN330MS2	ISF20W	KPORTOW	MCMA2615	MPMA2314	NHC1057	NP138
IM2IA15GY	IMCRF1GY	IN360AF	ISF2W	KPPANAL	MCMS1312	MPMA2315	NHC1059	NP138AL
IM2IA150W	IMCRF10W	IN360AM	ISF3AL	KPPANGY	MCMS1314	MPMA2412	NHC1066	NP138BK
IM2IA15W	IMCRF1W	IN360BF	ISF3BK	KPPANOW	MCMS1315	MPMA2512	NHC2022CR	NP138GY
IM2K1AL	IMCRS15AL	IN360BFS	ISF3EI	L420P9	MCMS1412	MPMA2514	NHC2023CR	NP138I
IM2K1BK	IMCRS15BK	IN360BMS	ISF3GY	L430P12	MCMS1414	MPMA2515	NHC2024CR	NP138LA
IM2K1EI	IMCRS15EI	IN360FS1	ISF30W	L430P9	MCMS1415	MPMA2612	NHC2041CR	NP138W
IM2K1GY	IMCRS15GY	IN360FS2	ISF3W	L430R12	MCMS1512	MPMA2614	NHC2042CR	NP13AL
IM2K10W	IMCRS150W	IN360MS1	ISF4AL	L430R9	MCMS1514	MPMA2615	NHC2043CR	NP13BK
IM2K1W	IMCRS15W	IN360MS2	ISF4BK	LCFBIM	MCMS1515		NP1	NP13GY
IM2KA15AL	IMCRS1AL		ISF4EI	LCFBP14				NP13I

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NP13LA	NP24I	NP33I	NP730I	NPJ1326GY	NPJ26I	NPJ8I	NS744W	NS790GY
NP130W	NP240W	NP33W	NP730W	NPJ1326I	NPJ26LA	NPJ8LA	NS745AL	NS790I
NP13W	NP24R	NP34	NP737	NPJ1326LA	NPJ260W	NPJ80W	NS745I	NS790LA
NP13W	NP24W	NP34AL	NP737AL	NPJ1326W	NPJ26R	NPJ8R	NS745LA	NS790W
NP14	NP26	NP34I	NP737I	NPJ138	NPJ26W	NPJ8RMEV	NS745W	NS801
NP147	NP262	NP34W	NP737W	NPJ138AL	NPJ28	NPJ8W	NS747AL	NS801AL
NP147AL	NP262AL	NP38	NP78	NPJ138I	NPJ28AL	NS4	NS747I	NS801BK
NP147BK	NP262BK	NP38AL	NP78AL	NPJ138W	NPJ28I	NS5E12U	NS747LA	NS801GY
NP147GY	NP262GY	NP38BK	NP78GY	NPJ13AL	NPJ28LA	NS5E24U	NS747W	NS801I
NP147I	NP262I	NP38GY	NP78I	NPJ13BK	NPJ28W	NS5E48U	NS748AL	NS801LA
NP147W	NP262LA	NP38I	NP78W	NPJ13GY	NPJ2AL	NS612AL	NS748I	NS801W
NP14AL	NP2620W	NP38LA	NP7AL	NPJ13I	NPJ2BK	NS612BK	NS748LA	NS802
NP14BK	NP262R	NP38W	NP7BK	NPJ13LA	NPJ2GY	NS612GY	NS748W	NS802AL
NP14GY	NP262W	NP3AL	NP7GY	NPJ130W	NPJ2I	NS612I	NS750AL	NS802BK
NP14I	NP263	NP3BK	NP7I	NPJ13W	NPJ2LA	NS612LA	NS750I	NS802GY
NP140W	NP263AL	NP3GY	NP7LA	NPJ18	NPJ20W	NS612U	NS750LA	NS802I
NP14R	NP263BK	NP3I	NP70IG	NPJ18AL	NPJ2R	NS612W	NS750W	NS802LA
NP14W	NP263GY	NP3LA	NP70W	NPJ18BK	NPJ2W	NS613AL	NS751AL	NS802W
NP17	NP263I	NP30W	NP7R	NPJ18GY	NPJ3	NS613BK	NS751I	NSC9025
NP17AL	NP263LA	NP3R	NP7W	NPJ18I	NPJ3AL	NS613GY	NS751LA	NSF70AL
NP17BK	NP2630W	NP3W	NP8	NPJ18LA	NPJ3BK	NS613I	NS751W	NSF70BK
NP17GY	NP263R	NP4	NP82	NPJ180W	NPJ3GY	NS613LA	NS752AL	NSF70GY
NP17I	NP263W	NP43	NP826	NPJ18R	NPJ3I	NS613W	NS752I	NSF70I
NP17W	NP264	NP43AL	NP826AL	NPJ18W	NPJ3LA	NS614AL	NS752LA	NSF70LA
NP18	NP264AL	NP43I	NP826BK	NPJ1AL	NPJ30W	NS614BK	NS752W	NSF70W
NP182	NP264BK	NP43W	NP826GY	NPJ1BK	NPJ3R	NS614GY	NS755AL	NSJ5EAL
NP182AL	NP264GY	NP44	NP826I	NPJ1GY	NPJ3W	NS614I	NS755I	NSJ5EAL25
NP182BK	NP264I	NP44AL	NP826LA	NPJ1I	NPJ4	NS614LA	NS755LA	NSJ5EB
NP182GY	NP264LA	NP44I	NP8260W	NPJ1LA	NPJ4AL	NS614W	NS755W	NSJ5EB25
NP182I	NP2640W	NP44W	NP826W	NPJ10W	NPJ4BK	NS616AL	NS760I	NSJ5EBK
NP182W	NP264W	NP48	NP82AL	NPJ1R	NPJ4GY	NS616BK	NS760W	NSJ5EBK25
NP18AL	NP265	NP48AL	NP82BK	NPJ1RME	NPJ4I	NS616GY	NS761I	NSJ5EGN
NP18BK	NP265AL	NP48I	NP82GY	NPJ1W	NPJ4LA	NS616I	NS761W	NSJ5EGN25
NP18GY	NP265BK	NP48W	NP82I	NPJ2	NPJ40W	NS616LA	NS770	NSJ5EGY
NP18I	NP265GY	NP4AL	NP82LA	NPJ226	NPJ4W	NS616W	NS770AL	NSJ5EGY25
NP18LA	NP265I	NP4BK	NP820R	NPJ226AL	NPJ7	NS620AL	NS770BK	NSJ5EI
NP180W	NP265LA	NP4GY	NP820W	NPJ226BK	NPJ703	NS620I	NS770GY	NSJ5EI25
NP18R	NP265W	NP4I	NP82R	NPJ226GY	NPJ703AL	NS620LA	NS770I	NSJ5ELA
NP18W	NP266	NP4LA	NP82W	NPJ226I	NPJ703BK	NS620W	NS770LA	NSJ5ELA25
NP1AL	NP266AL	NP40W	NP83	NPJ226LA	NPJ703GY	NS621AL	NS770W	NSJ5EOR
NP1BK	NP266BK	NP4W	NP83AL	NPJ226W	NPJ703I	NS621I	NS771	NSJ5EOR25
NP1GY	NP266GY	NP5	NP83BK	NPJ23	NPJ703W	NS621LA	NS771AL	NSJ5ER
NP1I	NP266I	NP5AL	NP83GY	NPJ23AL	NPJ724	NS621W	NS771I	NSJ5ER25
NP1LA	NP266LA	NP5BK	NP83I	NPJ23I	NPJ724AL	NS624U	NS771LA	NSJ5ETI
NP10W	NP266W	NP5GY	NP83W	NPJ23LA	NPJ724BK	NS648U	NS771W	NSJ5EW
NP1R	NP26AL	NP5I	NP84	NPJ230W	NPJ724GY	NS721AL	NS772AL	NSJ5EW25
NP1W	NP26BK	NP5LA	NP84AL	NPJ23W	NPJ724I	NS721I	NS772I	NSJ5EY
NP2	NP26GY	NP5W	NP84BK	NPJ26	NPJ724W	NS721LA	NS772LA	NSJ5EY25
NP21	NP26I	NP6	NP84GY	NPJ262	NPJ7AL	NS721W	NS772W	NSJ6AL
NP21AL	NP26LA	NP6AL	NP84I	NPJ262AL	NPJ7BK	NS722AL	NS780AL	NSJ6AL25
NP21BK	NP260IG	NP6GY	NP84W	NPJ262BK	NPJ7GY	NS722I	NS780I	NSJ6B
NP21GY	NP260W	NP6I	NP8AL	NPJ262GY	NPJ7I	NS722LA	NS780LA	NSJ6B25
NP21I	NP26R	NP6LA	NP8BK	NPJ262I	NPJ7LA	NS722W	NS780W	NSJ6BK
NP21W	NP26W	NP6W	NP8I	NPJ262LA	NPJ70W	NS723SS	NS782AL	NSJ6BK25
NP226	NP28	NP7	NP8LA	NPJ2620W	NPJ7R	NS725AL	NS782I	NSJ6GN
NP2262	NP28AL	NP703	NP80IG	NPJ262R	NPJ7W	NS725I	NS782LA	NSJ6GN25
NP2262AL	NP28BK	NP703AL	NP80R	NPJ262W	NPJ8	NS725LA	NS782W	NSJ6GY
NP2262BK	NP28GY	NP703BK	NP80W	NPJ263	NPJ82	NS725W	NS783AL	NSJ6GY25
NP2262GY	NP28I	NP703GY	NP8R	NPJ263AL	NPJ826	NS726SS	NS783BK	NSJ6I
NP2262I	NP28LA	NP703I	NP8W	NPJ263BK	NPJ826AL	NS730	NS783GY	NSJ6I25
NP2262LA	NP280W	NP703W	NPJ1	NPJ263GY	NPJ826BK	NS730AL	NS783I	NSJ6LA
NP2262W	NP28W	NP720	NPJ11	NPJ263I	NPJ826GY	NS730I	NS783LA	NSJ6LA25
NP226AL	NP2AL	NP720AL	NPJ113	NPJ263LA	NPJ826I	NS730LA	NS783W	NSJ6OR
NP226BK	NP2BK	NP720BK	NPJ113AL	NPJ2630W	NPJ826LA	NS730W	NS784	NSJ6OR25
NP226GY	NP2GY	NP720GY	NPJ113I	NPJ263R	NPJ8260W	NS732	NS784AL	NSJ6R
NP226I	NP2I	NP720I	NPJ11AL	NPJ263W	NPJ826W	NS732AL	NS784BK	NSJ6R25
NP226LA	NP2LA	NP7200IG	NPJ11I	NPJ264	NPJ82AL	NS732I	NS784GY	NSJ6W
NP226W	NP20W	NP7200W	NPJ11LA	NPJ264AL	NPJ82BK	NS732LA	NS784I	NSJ6W25
NP23	NP2R	NP720R	NPJ11W	NPJ264BK	NPJ82CO	NS732W	NS784LA	NSJ6Y
NP23AL	NP2W	NP720W	NPJ126	NPJ264GY	NPJ82GY	NS735	NS784W	NSJ6Y25
NP23BK	NP3	NP724	NPJ126AL	NPJ264I	NPJ82I	NS735AL	NS785	NSJUAL
NP23GY	NP326	NP724AL	NPJ126BK	NPJ264LA	NPJ82LA	NS735I	NS785AL	NSJUB
NP23I	NP326AL	NP724BK	NPJ126GY	NPJ2640W	NPJ820W	NS735LA	NS785BK	NSJUBK
NP23LA	NP326BK	NP724GY	NPJ126I	NPJ264W	NPJ82R	NS735W	NS785GY	NSJUGN
NP230W	NP326GY	NP724I	NPJ126LA	NPJ26AL	NPJ82W	NS742AL	NS785I	NSJUGY
NP23W	NP326I	NP724W	NPJ126W	NPJ26BK	NPJ8AL	NS742I	NS785LA	NSJUI
NP24	NP326LA	NP730	NPJ13	NPJ26BL	NPJ8BK	NS742LA	NS785W	NSJUOR
NP24AL	NP326W	NP730AL	NPJ1326	NPJ26C	NPJ8C	NS742W	NS790	NSJUR
NP24BK	NP33	NP730BK	NPJ1326AL	NPJ26CBL	NPJ8CO	NS744AL	NS790AL	NSJUTI
NP24GY	NP33AL	NP730GY	NPJ1326BK	NPJ26GY	NPJ8GY	NS744I	NS790BK	

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NSJUW	NSP12LA	PB2C5	PFBRFGY1	PRB1225	PT206218	RC103I	REKEF	RL200
NSJUY	NSP12W	PB2CACF	PFBRFGY2	PRB1250	PT206224	RC103LA	REKEGS	RL201
NSO6P1DM	NSP13AL	PB2IND2G	PFBRFGY3	PREZB	PT2R	RC103W	REKF	RL202
NSOAM8	NSP13BK	PB2SPL10	PFBRFI1	PRSLB4	PT2RC	RC108	REKFF	RL305
NSOBM	NSP13GY	PB2SPL5	PFBRFI2	PS0389NBK	PT2RCIG	RC108AL	REKFP	RL306
NSOBNK14	NSP13I	PB2WC	PFBRFI3	PS0389NGY	PT2RIG	RC108I	REKG	RL310
NSOBOX14B	NSP13LA	PB3BC10	PFBRFRA	PS0509NBK	PW1ABC5	RC108LA	REKGB	RL311
NSOBOX14BC	NSP13W	PB3BC5	PFBRG1	PS0509NGY	PW1ABC7	RC108W	REKH	RL320
NSOBOX14C	NSP14AL	PB3CACF	PFBRG2	PS05GYKIT	PW1BC5	RC109	REKHS	RL325
NSOBOX14D	NSP14BK	PB3ECA	PFBRG3	PS0759NBK	PW1BC7	RC109AL	REKI	RL3742
NSOBOX14X2	NSP14GY	PB3EE	PFBRMC	PS0759NGY	PW1CA	RC109I	REKMT10	RL8504
NSOBOX28	NSP14I	PB3EEBCA	PFBT1A	PS07GYKIT	PW1DBA	RC109LA	REKP	RL8506
NSOBOX28B	NSP14LA	PB3FCIB	PFBYA1	PS1009NBK	PW1EC	RC109W	REKR24	RL8512
NSOBOX28BC	NSP14W	PB3FCIB2G	PFOLT312	PS1009NGY	PW1EE	RC303	REKR32	RL8516
NSOBOX28C	NSP16AL	PB3FCIB3G	PH2030C	PS3BC10	PW1FE	RC303AL	REKR42	RL8804
NSOBOX28D	NSP16BK	PB3FE	PHPS1AL	PS3BC5	PW1IE	RC303I	REKS	RL8806
NSOBOX28X2	NSP16GY	PB3FEBCA	PHPS1G	PS3CACF	PW1LFB	RC303LA	REKSJ20	RL8812
NSOBOX48	NSP16I	PB3IE	PHPS2AL	PS3EC	PW1LPB	RC303W	REKSJ30	RL8816
NSOBX10	NSP16LA	PB3IEBCA	PHPS2G	PS3EE	PW1SBA	RC308	REKSJ40	RL8822
NSOBX10B	NSP16W	PB3IND	PHPS3AL	PS3EEBC	PW1SC	RC308AL	REKTJ	RMS100AL
NSOBX10BC	NSP24AL	PB3IND2G	PHPS4AL	PS3FCIB	PW1TC	RC308I	REKU	RMS100I
NSOBX10C	NSP24BK	PB3REDA	PHPS5AL	PS3FCIB2G	PW1TGB	RC308W	REKUB	RMS100LA
NSOBX10D	NSP24GY	PB3SC	PHPS6AL	PS3FCIB3G	PW2ABC5	RC309	REKZ	RMS100W
NSODK6	NSP24I	PB3SPCA	PJS126AL	PS3FE	PW2ABC7	RC309AL	REKZL	RMS101AL
NSODM8	NSP24LA	PB3SS	PJS126G	PS3FEBC	PW2BC5	RC309I	RF151	RMS101I
NSODM8C6	NSP24W	PB3TCBCA	PJS226G	PS3IE	PW2BC7	RC309W	RF151D	RMS101LA
NSOETM8	NSP26AL	PB3TRBC	PL1ABC5	PS3IEBC	PW2CACF	RCD101AL	RF201R	RMS101W
NSOFSB	NSP26BK	PB3TRBC	PL1ABC7	PS3IND	PW2EC	RCD101BK	RF400	RMS120AL
NSOMTM24	NSP26GY	PB3WC	PL1BC5	PS3RED	PW2EE	RCD101GY	RF406AL	RMS120I
NSOPTM8	NSP26I	PC08NT	PL1BC7	PS3SC	PW2EEBC	RCD101I	RF406BK	RMS120LA
NSORAVC	NSP26LA	PC08T	PL1EC	PS3SPC	PW2FE	RCD101LA	RF406BR	RMS120W
NSOTVDM6	NSP26W	PC100	PL1EE	PS3SS	PW2FEBC	RCD101W	RF407AL	RMS121AL
NSOTVM6	P0389NBK	PC12C	PL1EEBC	PS3TCBC	PW2IE	RCD103AL	RF407BK	RMS121I
NSOVAMP	P0389NGY	PC12D	PL1FE	PS3WC	PW2IEBC	RCD103BK	RF407BR	RMS121LA
NSOVDM4	P038NBKA	PC12PND	PL1FEBC	PT12CA	PW2RED	RCD103GY	RF408	RMS121W
NSOVDM42G	P038NGYA	PC12T	PL1IE	PT12DBA	PW2SC	RCD103I	RF500	RP101BK
NSOVDM6	P0509NBK	PC18C	PL1IEBC	PT12LFB	PW2SS	RCD103LA	RF506AL	RP101W
NSOVDM62G	P0509NGY	PC18D	PL1MC	PT12LPB	PW2TC	RCD103W	RF506BK	RP102BK
NSOVDM8	P050NBKA	PC18ND	PL1SC	PT12SBA	PW2TCBC	RCD108AL	RF506BN	RP102W
NSOVDM82G	P050NGYA	PC18T	PL1SS	PT12TGB	Q106AL	RCD108BK	RF506BR	RP123I
NSP101AL	P0759NBK	PC30C	PL1TC	PT153112P	Q106B	RCD108GY	RF506SS	RP123PI
NSP101BK	P0759NGY	PC30D	PL1TCBC	PT155112	Q106E	RCD108I	RF507AL	RP123PW
NSP101GY	P075NBKA	PC30ND	PLP1CACF	PT155112P	Q106G	RCD108LA	RF507BK	RP123W
NSP101I	P075NGYA	PC30T	PP1ABC5	PT155115	Q106LA	RCD108W	RF507BN	RP646
NSP101LA	P1009NBK	PC320	PP1ABC7	PT155130	Q106O	RCD109AL	RF507BR	RP648
NSP101W	P1009NGY	PC3430	PP1BC5	PT155212	Q106W	RCD109I	RF507SS	RP649
NSP102AL	P100NBKA	PC420	PP1BC7	PT156112	RA12	RCD109LA	RF515AL	RPL30P
NSP102BK	P100NGYA	PC520	PP1EC	PT156118	RA12AL	RCD109W	RF515BK	RR15
NSP102GY	P1259NBK	PC530	PP1EE	PT156124	RA12BK	RCD111AL	RF515BN	RR151
NSP102I	P1259NGY	PC60	PP1EEBC	PT156212	RA12GY	RCD111BK	RF515BR	RR151AL
NSP102LA	P125NBK	PDB12D	PP1FE	PT1ABC5	RA12I	RCD111I	RF515SS	RR151BK
NSP102W	P125NGY	PDB12LF	PP1FEBC	PT1ABC7	RA12LA	RCD111LA	RJ600	RR151CHBS
NSP103AL	P150NBK	PDB12LP	PP1IE	PT1BC5	RA12W	RCD111W	RJ62AL	RR151CHI
NSP103BK	P150NGY	PDB12S	PP1IEBC	PT1BC7	RA38	RCD303AL	RJ62BK	RR151CHSS
NSP103GY	P155E	PDB12TGD	PP1SC	PT1EC	RA38AL	RCD303BK	RJ62GY	RR151CHW
NSP103I	P155EB	PDB12TGLV	PP1SS	PT1EE	RA38BK	RCD303GY	RJ62I	RR151GY
NSP103LA	P15DH485C10	PDB1DIV	PP1TC	PT1FE	RA38BR	RCD303I	RJ62LA	RR151I
NSP103W	P15ML8F8MC10	PDB9	PP1TCBC	PT1IE	RA38CH	RCD303LA	RJ62W	RR151LA
NSP104AL	P200NBK	PDH5E	PR0360	PT1RCGY	RA38GY	RCD303W	RJ650AL	RR151W
NSP104BK	P200NGY	PFB1	PR0615	PT1RCIG	RA38I	RCD308AL	RJ650BK	RR155
NSP104GY	P20H5E	PFBA1A	PR10120	PT1RCIV	RA38LA	RCD308BK	RJ650GY	RR155AL
NSP104I	P4155E	PFBCBLA	PR1020	PT1RGY	RA38SS	RCD308I	RJ650I	RR155BK
NSP104LA	P4X155EB	PFBCBRA	PR104	PT1RIG	RA38W	RCD308LA	RJ650LA	RR155GY
NSP104W	P4X5E	PFBCGYA	PR10420	PT1RIV	RA40	RCD308W	RJ650W	RR155I
NSP106AL	P5E	PFBCIA	PR10720	PT1SC	RA58BR	RCD309AL	RJ65AL	RR155LA
NSP106BK	P5E12U	PFBP1	PR20	PT1TC	RA58CH	RCD309I	RJ65BK	RR155W
NSP106GY	P5E24UE	PFBR826BLA	PR205E	PT203112P	RA58SS	RCD309LA	RJ65GY	RR15AL
NSP106I	P5E48UE	PFBR826BRA	PR205EB	PT205112	RA756	RCD309W	RJ65I	RR15BK
NSP106LA	P5E96UE	PFBR826GYA	PR206	PT205112P	RA756I	RE2	RJ65LA	RR15I
NSP106W	P612U	PFBR826IA	PR20620	PT205115	RA756W	RE2B	RJ65W	RR15K
NSP11AL	P630S1GJ6	PFBRAC	PR20820A	PT205130	RA88I	RE4	RL100	RR15KAL
NSP11BK	P630S1GJ8	PFBRCBLA	PR20820DRTL	PT205212	RA88SS	RE4B	RL101	RR15KI
NSP11GY	P630SR1GJ6	PFBRCBRA	PR20820I	PT205215	RA88W	RE4X	RL102	RR15KLA
NSP11I	P630SR1GJ8	PFBRCIA	PR20830	PT206106	RC101	RE4XB	RL105	RR15KW
NSP11LA	P6E24U	PFBRFBL1	PR24	PT206112	RC101AL	REK110	RL106	RR15LA
NSP11W	P6E48U	PFBRFBL2	PR4X205E	PT206118	RC101I	REK19	RL124	RR15Q
NSP12AL	P6E96U	PFBRFBL3	PR4X205EB	PT206124	RC101LA	REK19L	RL124H	RR15QAL
NSP12BK	PB2B10	PFBRFBR1	PRAMB	PT206136	RC101W	REKBB20	RL150	RR15QBK
NSP12GY	PB2B5	PFBRFBR2	PRB0825	PT206206	RC103	REKBB30	RL152	RR15QI
NSP12I	PB2C10	PFBRFBR3	PRB0850	PT206212	RC103AL	REKBB40	RL153	RR15QLA

RoHS Product Index

RoHS compliance is an on going commitment at Hubbell following is a current list of compliant products at time of this printing. For the most current list, visit us at www.hubbell-wiring.com.

RR15QW	RRD201GY	RSD315ILI	S2425	SB13	SC5EY15	SECM40B	SFFLCG	SFRCGNFFGY
RR15S	RRD201I	RSD315ILLA	S2525	SB14	SC5EY20	SECM40G	SFFLCI	SFRCGNFFLA
RR15SAL	RRD201LA	RSD315ILW	S2625	SB18	SC5EY25	SECP11BA	SFFLCW	SFRCGNFFOW
RR15SBK	RRD201W	RSD315LA	S2725	SB2	SC6B01	SECP11GA	SFFSC	SFRCGNFFTI
RR15SI	RRD205	RSD315W	S2825	SB23	SC6B010	SECP13BA	SFFSCBK	SFRCGNFFW
RR15SLA	RRD205AL	RSD415	S2925	SB26	SC6B015	SECP13GA	SFFSCEI	SFRCGNGY
RR15SW	RRD205BK	RSD415AL	S3079	SB262	SC6B020	SECP16BA	SFFSCG	SFRCGNLA
RR15W	RRD205GY	RSD415BK	S3082	SB263	SC6B025	SECP16GA	SFFSCI	SFRCGNOW
RR201	RRD205I	RSD415GY	S3082AL	SB264	SC6B03	SECP21BA	SFFSCW	SFRCGNRAL
RR201AL	RRD205LA	RSD415I	S3083	SB265	SC6B05	SECP21GA	SFFWX	SFRCGNRBK
RR201BK	RRD205W	RSD415LA	S3084	SB266	SC6B07	SECP29BA	SFFX	SFRCGNREI
RR201CHBS	RS100W	RSD415W	S3085	SB3	SC6B10	SECP29GA	SFGRFAL	SFRCGNRGY
RR201CHI	RS101I	RT100W	S3182	SB3083	SC6B15	SECP36BA	SFGRFBK	SFRCGNRLA
RR201CHSS	RS101W	RT200	S3325	SB3083W	SC6B20	SECP36GA	SFGRFEI	SFRCGNROW
RR201CHW	RS115	RT300I	S3325	SB3084	SC6B25	SECP7BA	SFGRFGY	SFRCGNRTI
RR201GY	RS115AL	RT300W	S3425	SB3084W	SC6GY01	SECP7GA	SFGRFLA	SFRCGNRW
RR201I	RS115BK	RT303	S3525	SB3085	SC6GY010	SECP9BA	SFGRFOW	SFRCGNTI
RR201LA	RS115I	RT600I	S3625	SB3085W	SC6GY015	SECP9GA	SFGRFW	SFRCGNW
RR201W	RS115ILAL	RT600W	S3725	SB4	SC6GY020	SF2525	SFLC	SFRCGY
RR205	RS115ILC	RU100SS	S3813	SB5	SC6GY025	SF2725	SFLCBK	SFRCLA
RR205AL	RS115ILI	RU100W	S3825	SB6	SC6GY03	SF2925	SFLCEI	SFRCORAL
RR205BK	RS115ILLA	RU170W	S3826	SB7	SC6GY05	SF35FFBK	SFLCG	SFRCORBK
RR205GY	RS115ILW	RU200SS	S3925	SB701	SC6GY07	SF35FFEI	SFLCI	SFRCOREI
RR205I	RS115LA	RU200W	S5002	SB720	SC6GY10	SF35FFGY	SFLCW	SFRCORFFAL
RR205LA	RS115S	RU270W	S5003	SB771	SC6GY15	SF35FFLA	SFRC	SFRCORFFBK
RR205W	RS115SAL	S12RKL	S5007	SB8	SC6GY20	SF35FFOW	SFRC110B	SFRCORFFEI
RR330	RS115SI	S12RKLM	S5010	SB82	SC6GY25	SF35FFW	SFRC110GN	SFRCORFFGY
RR330F	RS115SLA	S1CFCAL	S5012	SB826	SC6R01	SF35SJAL	SFRC110R	SFRCORFFLA
RR335P	RS115SW	S1CFCBI	S5013	SBP1	SC6R010	SF35SJBK	SFRC110W	SFRCORFFOW
RR350	RS115W	S1CFCBL	S5016	SBP126	SC6R015	SF35SJEI	SFRC110Y	SFRCORFFW
RR350F	RS315	S1CFCBRS	S5017A	SBP13	SC6R020	SF35SJGY	SFRCAL	SFRCORGY
RR430	RS315AL	S1CFCGRY	S5017G	SBP18	SC6R025	SF35SJLA	SFRCBAL	SFRCORLA
RR430F	RS315BK	S1CFCGY	S5020	SBP2	SC6R03	SF35SJOW	SFRCBBK	SFRCOROW
RR430FW	RS315I	S1CFCI	S5025	SBP26	SC6R05	SF35SJW	SFRCBEI	SFRCORRAL
RR430PM	RS315ILAL	S1DFMAX	S5030	SBP262	SC6R07	SF35STBK	SFRCBFFAL	SFRCORRBK
RR430WIP	RS315ILC	S1DFTRAC	SA1	SBP263	SC6Y01	SF35STEI	SFRCBFFBK	SFRCORREI
RR435P	RS315ILI	S1FP15AL	SA13A	SBP28	SC6Y010	SF35STGY	SFRCBFFEI	SFRCORRGY
RR450	RS315ILLA	S1FP15BL	SA2	SBP3	SC6Y015	SF35STLA	SFRCBFFGY	SFRCORRLA
RR450F	RS315ILW	S1FP15BRS	SA23	SBP4	SC6Y020	SF35STW	SFRCBFFLA	SFRCORROW
RR450FW	RS315LA	S1FP15GY	SA2425	SBP7	SC6Y025	SF3925	SFRCBFFOW	SFRCORRW
RR450PM	RS315S	S1FP34AL	SA2625	SBP771	SC6Y03	SF39253A	SFRCBFFTI	SFRCORW
RR450WIP	RS315SAL	S1FP34BL	SA2725	SBP8	SC6Y05	SF5ECOGY	SFRCBFFW	SFRCOW
RRD15	RS315SI	S1FP34BRS	SA2925	SBP82	SC6Y07	SFB10	SFRCBGY	SFRCR
RRD151	RS315SLA	S1FP34GY	SA2926	SC5EB01	SC6Y10	SFBAL	SFRCBK	SFRCRFF
RRD151AL	RS315SW	S1PFB	SA3083	SC5EB010	SC6Y15	SFBAL10	SFRCBKFF	SFRCRFFAL
RRD151BK	RS315W	S1SP	SA3083W	SC5EB015	SC6Y20	SFBB10	SFRCBKFFAL	SFRCRFFBK
RRD151GY	RS415	S1SP3IM	SA3084	SC5EB020	SC6Y25	SFBBK	SFRCBKFFBK	SFRCRFFEI
RRD151I	RS415AL	S1SP4IM	SA3084W	SC5EB03	SCBC	SFBEI	SFRCBKFFEI	SFRCRFFGY
RRD151LA	RS415BK	S1SP4X4	SA3085	SC5EB05	SCH1	SFBEI10	SFRCBKFFGY	SFRCRFFLA
RRD151W	RS415I	S1SP4X4PA	SA3085W	SC5EB07	SCH12	SFBG10	SFRCBKFFLA	SFRCRFFOW
RRD155	RS415LA	S1SP4X4SYS	SA3182	SC5EB10	SCH13	SFBGBK	SFRCBKFFOW	SFRCRFFW
RRD155AL	RS415W	S1SPDU	SA3625	SC5EB15	SCH18	SFBGEI	SFRCBKFFTI	SFRCRRAL
RRD155BK	RSD115	S1SPDU2IM	SA3725	SC5EB20	SCH2	SFBGGY	SFRCBKFFW	SFRCRRBK
RRD155GY	RSD115AL	S1SPDUSL	SA3813	SC5EB25	SCH23	SFBGLA	SFRCBKRAL	SFRCRREI
RRD155I	RSD115BK	S1SPEXT1	SA3825	SC5EGY01	SCH26	SFBGOW	SFRCBKRBK	SFRCRRGY
RRD155LA	RSD115GY	S1SPEXT2	SA3826	SC5EGY010	SCH262	SFBGW	SFRCBKREI	SFRCRRLA
RRD155W	RSD115I	S1SPEXT3	SA3925	SC5EGY015	SCH3	SFBGY	SFRCBKRGY	SFRCRRLA
RRD15AL	RSD115ILAL	S1SPEXT4	SA5007	SC5EGY020	SCH7	SFBGY	SFRCBKRLA	SFRCRROW
RRD15BK	RSD115ILI	S1SPFFAL	SA5010	SC5EGY03	SCH702	SFBLA	SFRCBKROW	SFRCRRW
RRD15GY	RSD115ILLA	S1SPFFBL	SA5012	SC5EGY05	SCH723	SFBLA10	SFRCBKRTI	SFRCTI
RRD15I	RSD115ILW	S1SPFFBRS	SA5013	SC5EGY07	SCH8	SFBOW	SFRCBKRW	SFRCW
RRD15K	RSD115LA	S1SPFFGY	SA5016	SC5EGY10	SCH82	SFBW	SFRCBLA	SFRCWAL
RRD15KAL	RSD115PLAL	S1SPFFTAL	SA5016	SC5EGY15	SEC100BA	SFBW10	SFRCBOW	SFRCWBK
RRD15KBK	RSD115PLI	S1SPFFTBL	SA5017A	SC5EGY20	SEC100GA	SFC5EBK	SFRCBRAL	SFRCWEI
RRD15KGY	RSD115PLLA	S1SPFFTBRS	SA5017G	SC5EGY25	SEC38BA	SFC5EW	SFRCBRBK	SFRCWFF
RRD15KI	RSD115PLW	S1SPFFTGY	SA5020	SC5ER01	SEC38GA	SFFALX	SFRCBREI	SFRCWFFAL
RRD15KLA	RSD115W	S1SPMAX	SA5025	SC5ER010	SEC50BA	SFFBX	SFRCBRGY	SFRCWFFBK
RRD15KW	RSD215	S1SPORT	SA6685	SC5ER015	SEC50GA	SFFEX	SFRCBRLA	SFRCWFFEI
RRD15LA	RSD215AL	S1SPSL2IM	SA6686	SC5ER020	SEC75BA	SFFGAL	SFRCBROW	SFRCWFFGY
RRD15S	RSD215BK	S1SPTL	SA6687	SC5ER03	SEC75GA	SFFGBK	SFRCBRTI	SFRCWFFLA
RRD15SAL	RSD215GY	S1SPTRAC	SA6688	SC5ER05	SECM12B	SFFGEI	SFRCBRW	SFRCWFFOW
RRD15SBK	RSD215I	S1TFCAL	SA7	SC5ER07	SECM12G	SFFGGY	SFRCBTI	SFRCWFFW
RRD15SGY	RSD215LA	S1TFCBL	SA720	SC5EY01	SECM16B	SFFGLA	SFRCBW	SFRCWGY
RRD15SI	RSD215W	S1TFCBRS	SA723	SC5EY010	SECM16G	SFFGOW	SFRCEI	SFRCWLA
RRD15SLA	RSD315	S1TFCGRY	SA8	SC5EY015	SECM20B	SFFGW	SFRCGNAL	SFRCWOW
RRD15SW	RSD315AL	S1TFCGY	SA82	SC5EY020	SECM20G	SFFGX	SFRCGNBK	SFRCWRAL
RRD15W	RSD315BK	S1TFCI	SAB12	SC5EY03	SECM25B	SFFLAX	SFRCGNEI	SFRCWRBK
RRD201	RSD315GY	S22RKL	SAB34	SC5EY05	SECM25G	SFFLC	SFRCGNFFAL	SFRCWREI
RRD201AL	RSD315I	S22RKLM	SB1	SC5EY07	SECM32B	SFFLCBK	SFRCGNFFBK	SFRCWRGY
RRD201BK	RSD315ILAL		SB126	SC5EY10	SECM32G	SFFLCEI	SFRCGNFFEI	

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

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Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8	Col9
SFRCWRLA	SHC1004	SHC1049	SNAP5262OW	SS1426	SS749	UB30	VGA620BK	XPLCBLA2
SFRCWROW	SHC1004CR	SHC1050	SNAP5262R	SS148	SS750	UB30E	VGA625BK	XPLCBLA3
SFRCWRW	SHC1004SS	SHC1051	SNAP5262W	SS18	SS771	UDX1289	VGA630BK	XPLFOSEPAW
SFRCWTI	SHC1005	SHC1052	SNAP5362	SS182	SS78	UDX24E	VGA635BK	XPLFP10W
SFRCWW	SHC1005CR	SHC1053	SNAP5362AL	SS1C	SS8	UDX48E	VGA640BK	XPLFPA10C
SFRCY	SHC1006CR	SHC1054	SNAP5362BK	SS1ME	SS8147	UFC0001	VGA645BK	XPLFPA10W
SFRCYAL	SHC1007	SHC1055	SNAP5362GY	SS2	SS82	UFC0001CR	VGA650BK	XPLIPA10C
SFRCYBK	SHC1008	SHC1056	SNAP5362I	SS2039FALA	SS826	UFC0001ZP	VGA655BK	XPLIPA10W
SFRCYEI	SHC1008CR	SHC1057	SNAP5362LA	SS211	SS82MEV	UFC0002	VGA660BK	XPLPP10W
SFRCYFF	SHC1009	SHC1058	SNAP5362OW	SS213	SS83	UFC0003	VGA665BK	XPLPPA10W
SFRCYFFAL	SHC1009CR	SHC1059	SNAP5362R	SS22	SS84	UFC0003CR	VGA670BK	XPLPPID10W
SFRCYFFBK	SHC1009SS	SHC1061	SNAP5362W	SS226	SS8720	UFC2001CR	VGA675BK	XPLRC10W
SFRCYFFEI	SHC1010	SHC1062	SNAP6R1	SS23	SS8MEV	UFC2003CR	VGA680BK	XPLUDX1610W
SFRCYFFGY	SHC1010CR	SHC1063	SNAP6R2	SS2309BALA	SSB1	UGP15231	VGA685BK	XPLUDX2410W
SFRCYFFLA	SHC1011	SHC1064	SNAP8200	SS2309BBKA	SSD1422	UGP20231	VGA690BK	YC306250
SFRCYFFOW	SHC1011CR	SHC1065	SNAP8200AL	SS2309BGYA	SSD1423	UGRA20231	VGA695BK	YC310250
SFRCYFFTI	SHC1011SS	SHC1066	SNAP8200BK	SS2309DBKA	SSD1428	UGRO20231	VGA6P05BK	YC312250
SFRCYFFW	SHC1012	SHC1067	SNAP8200GY	SS2309DGYA	SSD1430	VG15F605BK	VGA6P100BK	YC314250
SFRCYGY	SHC1012CR	SHC1068	SNAP8200I	SS2309F1BKA	SSF11	VG15F6100BK	VGA6P10BK	YC406250
SFRCYLA	SHC1012SS	SHC1069	SNAP8200LA	SS2309F1GYA	SSF12	VG15F610BK	VGA6P15BK	
SFRCYOW	SHC1015	SHC1070	SNAP82000W	SS2309FBKA	SSF13	VG15F615BK	VGA6P20BK	
SFRCYRAL	SHC1016	SHC1071	SNAP8200R	SS2309FGYA	SSF14	VG15F620BK	VGA6P25BK	
SFRCYRBK	SHC1017	SHC1072	SNAP8200W	SS2309SBKA	SSF16	VG15F625BK	VGA6P30BK	
SFRCYREI	SHC1018	SHC1073	SNAP8300	SS2309SGYA	SSF204	VG15F630BK	VGA6P35BK	
SFRCYRGY	SHC1019	SHC1074	SNAP8300AL	SS2309SLBKA	SSF206	VG15F635BK	VGA6P40BK	
SFRCYRLA	SHC1019CR	SHC1076	SNAP8300BK	SS2309SLGYA	SSF209	VG15F640BK	VGA6P45BK	
SFRCYROW	SHC1020	SHC1077	SNAP8300GY	SS2309TBKA	SSF212	VG15F645BK	VGA6P50BK	
SFRCYRW	SHC1020CR	SHC1078	SNAP8300I	SS2309TGYA	SSJ1	VG15F650BK	VGA6P55BK	
SFRCYTI	SHC1020SS	SHC1079	SNAP8300LA	SS232	SSJ11	VG15F655BK	VGA6P60BK	
SFRCYW	SHC1021	SHC1080	SNAP83000W	SS234	SSJ126	VG15F660BK	VGA6P65BK	
SFRFGBK	SHC1021CR	SHC1081	SNAP8300R	SS24	SSJ13	VG15F670BK	VGA6P70BK	
SFRFGEI	SHC1021SS	SHC1086	SNAP8300W	SS26	SSJ18	VG15F675BK	VGA6P75BK	
SFRFGGY	SHC1022	SHC1087	SP14AL	SS262	SSJ2	VG15F680BK	VGA6P80BK	
SFRFGOW	SHC1022CR	SHC1088	SP14BAL	SS263	SSJ226	VG15F685BK	VGA6P85BK	
SFRFGW	SHC1022SS	SHC1089	SP14BG	SS264	SSJ26	VG15F690BK	VGA6P90BK	
SFSBAL10	SHC1023	SHC1090	SP14G	SS265	SSJ262	VG15F695BK	VGA6P95BK	
SFSBBK10	SHC1023CR	SHC1091	SP18AL	SS266	SSJ7	VG15M605BK	VHC1021	
SFSBEI10	SHC1023SS	SHC1092	SP18G	SS28	SSJ723	VG15M6100BK	VHC1022	
SFSBGY10	SHC1024	SHC1093	SP1AL	SS2C	SSJ8	VG15M610BK	VHC1023	
SFSBLA10	SHC1024CR	SHC1094	SP1G	SS3	SSJ82	VG15M615BK	VHC1024	
SFSBOW10	SHC1024SS	SHC1095	SP24AL	SS309B	SSLS1SARL	VG15M620BK	VHC1035	
SFSBW10	SHC1025	SHC2005CR	SP24BAL	SS309BF	SSLS1SRL	VG15M625BK	VHC1036	
SFSC	SHC1026	SHC2008CR	SP24BG	SS309D	SSLS1SRMR	VG15M630BK	VHC1037	
SFSCG	SHC1027	SHC2010CR	SP24G	SS309DS	SSLS1SRPR	VG15M635BK	VHC1041	
SFSCI	SHC1028	SHC2011CR	SP28AL	SS309S	SSLS1TCS	VG15M640BK	VHC1042	
SFSCST	SHC1029	SHC2012CR	SP28G	SS309SF	SSLS1TCSPT	VG15M645BK	VHC1052	
SFSCSTG	SHC1030	SHC2021CR	SP2AL	SS309T	SSLS1TMP	VG15M650BK	VHC1053	
SFSCSTI	SHC1031	SHC2022CR	SP2G	SS320	SSLS1TRL	VG15M655BK	VS73	
SFSCSTW	SHC1032	SHC2023CR	SP34AL	SS326	SSLS1TRP	VG15M660BK	VS73A	
SFSCW	SHC1033	SHC2024CR	SP34BAL	SS33	SST1473	VG15M665BK	VS73H	
SFSPGBK	SHC1034	SHC2035CR	SP3AL	SS330	SST1474	VG15M670BK	VS76	
SFSPGR	SHC1035CR	SHC2036CR	SP4AL	SS34	SST1476	VG15M675BK	VS76A	
SFST	SHC1035SS	SHC2037CR	SP5AL	SS38	SST1477	VG15M680BK	VS76H	
SFSTBK	SHC1036	SHC2038CR	SP6AL	SS3C	SST2474	VG15M685BK	VS86	
SFSTEI	SHC1036CR	SHC2041CR	SP7AL	SS4	SWB1	VG15M690BK	VS86A	
SFSTG	SHC1036SS	SHC2042CR	SP7G	SS43	SWB2	VG15M695BK	WC310280	
SFSTI	SHC1037	SHC2043CR	SP82AL	SS44	SWB4	VG15MP605BK	WMBHSB30D	
SFSTW	SHC1037CR	SHC2044CR	SP82G	SS4C	SWB5	VG15MP6100BK	WMCTTB30T	
SFSV110AL	SHC1037SS	SHCM161011	SP83AL	SS5	TBL110	VG15MP610BK	WMFMSB30H	
SFSV110BK	SHC1038	SHCM201017	SP8AL	SS5C	TBL66	VG15MP615BK	WMPTSB12D	
SFSV110BK	SHC1038CR	SHCM201022	SP8G	SS6	TBLH	VG15MP620BK	WMPTSB18D	
SFSV110GY	SHC1038SS	SHCM201023	SPB1	SS607	TK3	VG15MP625BK	WMPTSB30T	
SFSVAL	SHC1039	SHCM201024	SPB2	SS608	TK8	VG15MP630BK	WMSAESB18D	
SFSVBK	SHC1039CR	SHCM251033	SPPBK10	SS6C	TPD110	VG15MP635BK	WP1	
SFSVGY	SHC1040	SHCM251034	SPPR10	SS7	TPDH	VG15MP640BK	WP2	
SFUSBAAB	SHC1040CR	SHCM301037	SR3050	SS701	TPF1BK	VG15MP645BK	WS1277I	
SFUSBAAOW	SHC1041	SK2	SS0825	SS702	TPF1GY	VG15MP650BK	WS1277W	
SFUSBAAW	SHC1041CR	SK3	SS0850	SS703	TPF10W	VG15MP655BK	WS1277W2	
SFUSBABB	SHC1041SS	SL5E4A	SS1	SS716	TPF1W	VG15MP660BK	WSAP	
SFUSBABOW	SHC1042	SL5E4B	SS11	SS72	TWPF1GY	VG15MP665BK	XPH11010	
SFUSBABW	SHC1042CR	SM12	SS113	SS720	TX4P	VG15MP670BK	XPHPP50	
SGM12D	SHC1042SS	SM18	SS114	SS723	TX4PH	VG15MP675BK	XPHPPID1U10	
SGM18D	SHC1043	SM30	SS117	SS725	TX4PHBL	VG15MP680BK	XPHPPID2U10	
SGM30D	SHC1043CR	SM8	SS12	SS737	TX4PP	VG15MP685BK	XPHRC10	
SHC1001CR	SHC1044	SNAP5262	SS1225	SS738	TX4PPBL	VG15MP690BK	XPHUDX1610	
SHC1002	SHC1044CR	SNAP5262AL	SS1250	SS739	TX4PPH	VG15MP695BK	XPHUDX2410	
SHC1002CR	SHC1044SS	SNAP5262BK	SS126	SS740	UB12	VGA605BK	XPL11010B	
SHC1003	SHC1046	SNAP5262GY	SS13	SS741	UB12E	VGA6100BK	XPL11010W	
SHC1003CR	SHC1047	SNAP5262I	SS138	SS747	UB18	VGA610BK	XPL11010Y	
SHC1003SS	SHC1048	SNAP5262LA	SS14	SS748	UB18E	VGA615BK	XPLCBLA1	

Marketing Sales Tools

Hubbell has designed a number of sales tools to simplify product specifying and ordering. These selector guides provide a quick and easy means for identifying the products best suited to your specific application needs. Access these helpful tools via our online literature ordering site or through your Hubbell representative.
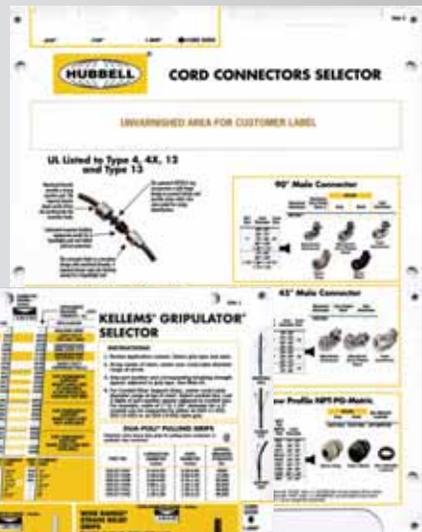
Hubbell SystemOne Selector Wheel

For choosing sub-plates and covers for floor boxes and fire rated poke-throughs.
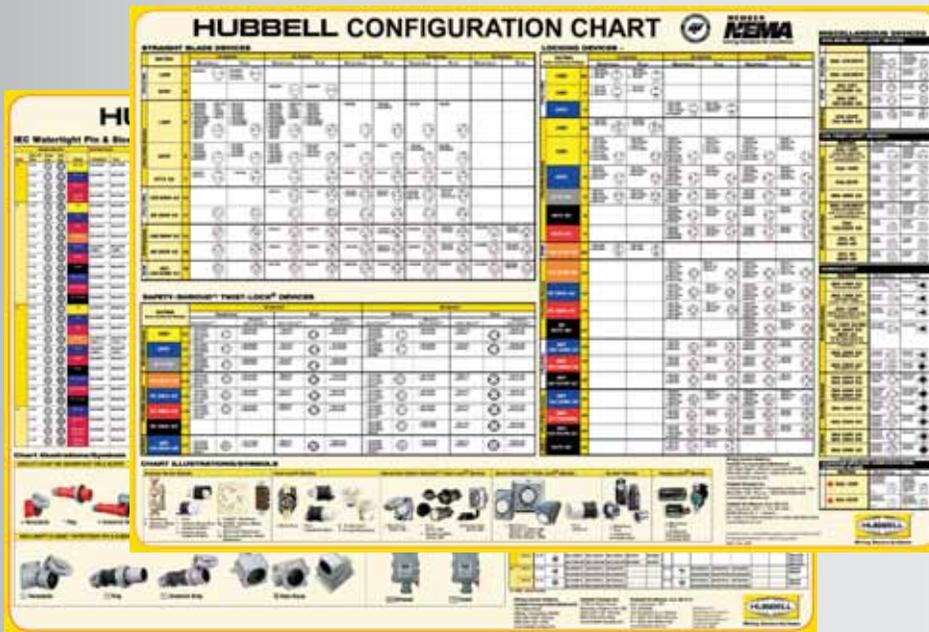
Kellems® Gripulator®

For selecting grips and cord connector products.

Hubbell Wiring Device Slide Selector

For selecting Locking and Straight Blade Devices.

HUBBELL Wiring Device-Kellems   www.hubbell-wiring.com

Hubbell Configuration Chart
For selecting Straight Blade and Locking Devices. Opposite side is for Pin and Sleeve Devices.

Raceway Configuration Chart
For selecting Metal and Non-Metallic Raceway.

Residential Device Configuration Chart
For selecting homeSELECT™ Residential Products.

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Hubbell's New and Improved Website
Innovative products for the industrial, commercial and residential markets are more accessible than ever before!

Because we know time is money and our customers need to quickly research product information, Hubbell is unveiling a complete redesign of our web site. The new and improved web site features a fresh new look, intuitive navigation, and enhanced features that make accessing product, application and specification information easier and faster than ever before.

From redesigned landing pages for the industrial, commercial and residential markets, users gain direct access to the latest products and information for their market. Each landing page features user-friendly market-specific product menus with intuitive breakout categories for every product type, so narrowing in on a specific product is now twice as fast with no more guessing or feeling lost. Clicking on a category or product links directly to the related page in Hubbell's new dynamic virtual catalog where viewers can zoom-in on details and follow hyperlinks to quickly access specifications, data sheets and technical information.

The streamlined functionality of Hubbell's new homepage includes links and drop-down menus for accessing company information and product groups, literature, and news for each market. Designed to correlate with our new catalogs, advertisements, and other market promotions, Hubbell's redesigned website is as simple and straightforward as possible to make our customers' jobs easier. Visit www.hubbell-wiring.com today!

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