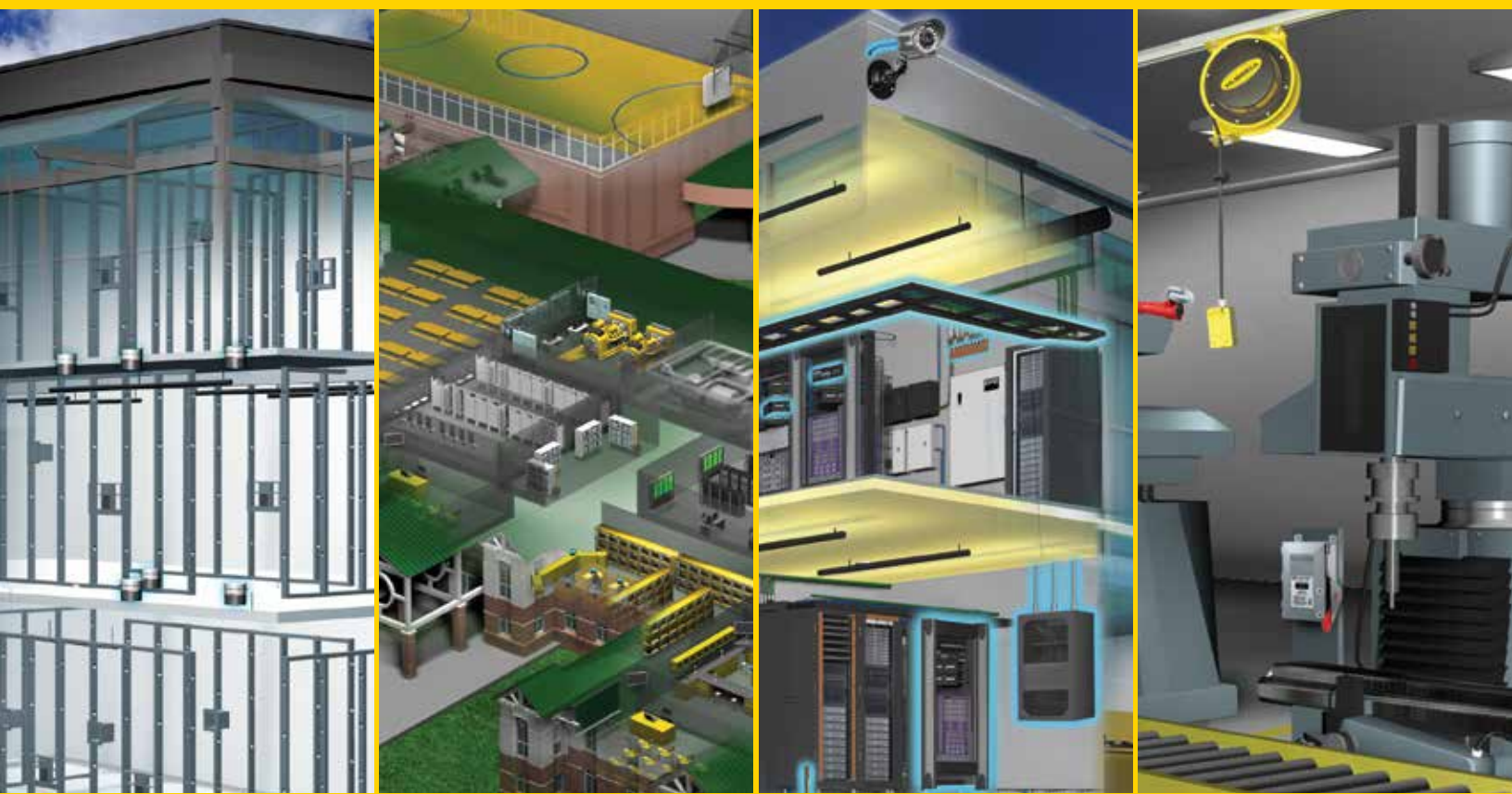


# HUBBELL® INSTALLATION EFFICIENCY GUIDE



Complete more projects in less time with Hubbell products designed for enhanced productivity.



Time Savings on  
New Construction



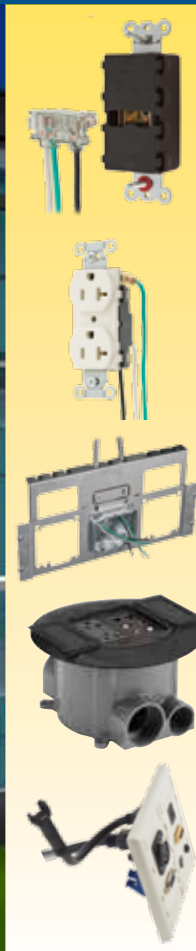
Reconfigurable  
Renovations



Pre-Terminated  
Systems



Efficient Operations in  
Industrial MRO



## New Construction



Constructing new facilities involves the installation of many building systems, involving several different trades and complex logistics. Productivity enhancements through labor savings solutions allow contractors to complete projects sooner, saving money and keeping construction on schedule. From SNAPConnect® devices with snap-in modular connectors, to a wide range of pre-wired, pre-manufactured and easy-to-install solutions, Hubbell has the products you need to complete new construction projects in less time.

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## Renovations

Whether it's expanding a facility, adding a wing, rearranging classrooms, learning spaces, or upgrading systems in an existing building, Hubbell has the solution to enable fast, efficient renovation and retrofit projects. Hubbell Pre-Wired Raceway quickly and efficiently deploys the latest power, voice, data and multimedia applications in existing buildings. The Connexion Zone Distribution System allows for reconfiguring raised-floor environments. SNAPConnect devices make for efficient device changeout and wireless sensors are the perfect solution for locations where rewiring may present a challenge.

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## Data Center



Rapid data center deployment and upgrades are essential to maintaining network uptime and ongoing communication for any business or institution. Hubbell has designed installation efficiency into its data center solutions—from tools that reduce termination time and cable management systems with fully integrated features. High performance pre-terminated fiber and copper cable assemblies are custom configured to order and ready to plug and play.

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## Industrial MRO

Maximizing productivity and uptime in manufacturing facilities requires efficient maintenance, repair and operation. Hubbell offers a wide range of solutions that reduce the need for repair, maximize uptime and improve productivity—all while meeting the safety and reliability needs of harsh industrial environments. From Linkosity® and MotorQuick® for fast reconfiguring and replacement of motors and machinery, to easy-to-install manual motor solutions, Hubbell keeps today's assembly lines, products and services operating efficiently.



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SNAPConnect® Devices offer superior installation efficiency for new construction and renovations, while delivering safe, reliable connections. Instead of conventional wiring methods, SNAPConnect's modular connector is installed during rough-in in lieu of pigtails. Once the walls are up, the protective covering is removed and the terminal is simply snapped into the SNAPConnect device for a consistent connection every time. Once installed, SNAPConnect's modular design enables simple device change-out by maintenance personnel.



- Poly-bagged connector stays clean during construction
- Allows for circuit testing with standard test probes
- Low-profile, flush fit provides stylish appearance and more wiring room
- Eliminates exposed live parts for better safety
- Buy American compliant/U.S. Government Procurement (NA suffix)
- Tamper-resistant versions

## Ordering Information

### SNAPConnect® Duplex Receptacles

| Description                                   | 15A 125V                                   | 20A 125V                                   |
|-----------------------------------------------|--------------------------------------------|--------------------------------------------|
| Duplex, Finder Groove Face Hospital Grade ●   | <b>SNAP5262xx</b><br><b>SNAP8200xxA</b>    | <b>SNAP5362xxA</b><br><b>SNAP8300xxA</b>   |
| Style Line® Decorator Hospital Grade ●        | <b>SNAP2152xx</b><br><b>SNAP2172xxA</b>    | <b>SNAP2162xxA</b><br><b>SNAP2182xxA</b>   |
| Tamper-Resistant Smooth Face Hospital Grade ● | <b>SNAP5262xxTR</b><br><b>SNAP8200xxTR</b> | <b>SNAP5362xxTR</b><br><b>SNAP8300xxTR</b> |

### SNAPConnect® Commercial Grade GFCI Buy American Compliant

| Description                               | 15A 125V                                         | 20A 125V                                         |
|-------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Commercial Grade Hospital Grade ●         | <b>GFR15SNAPxxNA</b><br><b>GFR8200SNAPxxNA</b>   | <b>GFR20SNAPxxNA</b><br><b>GFR8300SNAPxxNA</b>   |
| Tamper/Weather Resistant Hospital Grade ● | <b>GFTR15SNAPxxNA</b><br><b>GFTR8200SNAPxxNA</b> | <b>GFTR20SNAPxxNA</b><br><b>GFTR8300SNAPxxNA</b> |

xx=colors: **BK** (Black) No Suffix (Brown), **GY** (Gray), **I** (Ivory), **LA** (Light Almond), **R** (Red) and **W** (White).

### SNAPConnect® Right Angle Pigtailed Connector for Use With GFCIs and Receptacles

Clear right angle terminal with 6-inch leads #12 AWG THHN/THWN-2, 600V wire

| Housing                   | Solid Wire      | Stranded Wire   |
|---------------------------|-----------------|-----------------|
| Connector for General Use | <b>SNAP1RA</b>  | <b>SNAP2RA</b>  |
| Buy American Compliant    | <b>SNAP1RNA</b> | <b>SNAP2RNA</b> |

### SNAPConnect® Specification Grade Toggle Switches Buy American Compliant

| Description              | 15A, 120-277V AC      | 20A, 120-277V AC      |
|--------------------------|-----------------------|-----------------------|
| Single Pole              | <b>SNAP1201xxNA</b>   | <b>SNAP1221xxNA</b>   |
| 3-Way                    | <b>SNAP1203xxNA</b>   | <b>SNAP1223xxNA</b>   |
| Illuminated, Single Pole | <b>SNAP1201ILxxNA</b> | <b>SNAP1221ILxxNA</b> |
| Illuminated, 3-Way       | <b>SNAP1203ILxxNA</b> | <b>SNAP1223ILxxNA</b> |
| Pilot Light, Single Pole | <b>SNAP1201PLxxNA</b> | <b>SNAP1221PLxxNA</b> |

### SNAPConnect® Specification Grade Style Line® Decorator Switches Buy American Compliant

| Description              | 15A, 120-277V AC      | 20A, 120-277V AC      |
|--------------------------|-----------------------|-----------------------|
| Single Pole              | <b>SNAP2101xxNA</b>   | <b>SNAP2121xxNA</b>   |
| 3-Way                    | <b>SNAP2103xxNA</b>   | <b>SNAP2123xxNA</b>   |
| Illuminated, Single Pole | <b>SNAP2101ILxxNA</b> | <b>SNAP2121ILxxNA</b> |
| Illuminated, 3-Way       | <b>SNAP2103ILxxNA</b> | <b>SNAP2123ILxxNA</b> |
| Pilot Light, Single Pole | <b>SNAP2101PLxxNA</b> | <b>SNAP2123PLxxNA</b> |

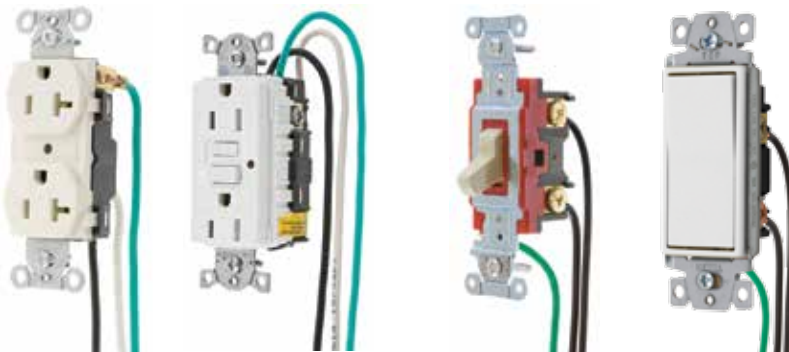
xx=colors: **BK** (Black) No Suffix (Brown), **GY** (Gray), **I** (Ivory), **LA** (Light Almond), **R** (Red) and **W** (White).

### SNAPConnect® Right Angle Pigtailed Connector for Switches

Clear right angle terminal with 6-inch leads #12 AWG THHN/THWN-2, 600V wire

| Description            | Solid Wire        | Stranded Wire     |
|------------------------|-------------------|-------------------|
| Single Pole (3 Wires)  | <b>SNAPSP1NA</b>  | <b>SNAPSP2NA</b>  |
| Single Pole with Pilot | <b>SNAPSPP1NA</b> | <b>SNAPSPP2NA</b> |
| 3-Way (4 Wires)        | <b>SNAP3W1NA</b>  | <b>SNAP3W2NA</b>  |

Hubbell's Pre-Wired Devices are the perfect solution for those looking to improve installation efficiency through pre-fabricated wiring or pre-assembled system components—significantly reducing the on-site labor associated with the repetitious task of pre-cutting wire leads. Available in several styles of receptacles and switches, Hubbell's Pre-Wired Devices feature factory-installed 8-inch leads for consistent, anti-vibration terminations. Save time and money with Pre-Wired Devices from Hubbell.



- Duplex and decorator styles available in a variety of colors
- Standard, tamper-resistant and weather-resistant GFCIs with LED
- Rocker, heavy-duty toggle, and illuminated switches available
- 8-Inch, factory-installed leads, #12 AWG solid or stranded wire
- Meets federal specification, UL and CSA requirements



## Ordering Information

### Pre-Wired Commercial Grade

#### Duplex Receptacles

Smooth Nylon Face; Self-Grounding

| Description                              | 15A 125V          | 20A 125V          |
|------------------------------------------|-------------------|-------------------|
| 8" Solid wire leads                      | <b>CR15xxP1</b>   | <b>CR20xxP1</b>   |
| 8" Stranded wire leads                   | <b>CR15xxP2</b>   | <b>CR20xxP2</b>   |
| Tamper-Resistant; 8" Solid wire leads    | <b>CR15xxTRP1</b> | <b>CR20xxTRP1</b> |
| Tamper-Resistant; 8" Stranded wire leads | <b>CR15xxTRP2</b> | <b>CR20xxTRP2</b> |



### Hubbell-Pro™ Pre-Wired Heavy Duty Toggle Switches

| Description | 15A, 120-277V AC | 20A, 120-277V AC |
|-------------|------------------|------------------|
| Single Pole | —                | <b>1221PWxx</b>  |
| Double Pole | —                | <b>1222PWxx</b>  |
| 3-Way       | —                | <b>1223PWxx</b>  |
| 4-Way       | —                | <b>1224PWxx</b>  |



### Pre-Wired Commercial Grade Decorator Receptacles

Smooth Nylon Face; Self-Grounding

| Description                              | 15A 125V          | 20A 125V          |
|------------------------------------------|-------------------|-------------------|
| 8" Solid wire leads                      | <b>DR15xxP1</b>   | <b>DR20xxP1</b>   |
| 8" Stranded wire leads                   | <b>DR15xxP2</b>   | <b>DR20xxP2</b>   |
| Tamper-Resistant; 8" Solid wire leads    | <b>DR15xxTRP1</b> | <b>DR20xxTRP1</b> |
| Tamper-Resistant; 8" Stranded wire leads | <b>DR15xxTRP2</b> | <b>DR20xxTRP2</b> |



### Pre-Wired Specification Grade Toggle Switches

| Description | 15A, 120-277V AC | 20A, 120-277V AC |
|-------------|------------------|------------------|
| Single Pole | <b>CSL115xx</b>  | <b>CSL120xx</b>  |
| Double Pole | <b>CSL215xx</b>  | <b>CSL220xx</b>  |
| 3-Way       | <b>CSL315xx</b>  | <b>CSL320xx</b>  |
| 4-Way       | <b>CSL415xx</b>  | <b>CSL420xx</b>  |



### Pre-Wired LED Heavy Duty GFCI Receptacles

Flush Nylon Face; Auto Grounding Clip

| Description                                      | 15A 125V            | 20A 125V            |
|--------------------------------------------------|---------------------|---------------------|
| 8" Solid wire leads                              | <b>GF15xxLAP1</b>   | <b>GF20xxLAP1</b>   |
| 8" Stranded wire leads                           | <b>GF15xxLAP2</b>   | <b>GF20xxLAP2</b>   |
| Tamper/Weather Resistant; 8" Solid wire leads    | <b>GF15TRxxLAP1</b> | <b>GF15TRxxLAP1</b> |
| Tamper/Weather Resistant; 8" Stranded wire leads | <b>GF15TRxxLAP2</b> | <b>GF15TRxxLAP2</b> |



### Pre-Wired Specification Grade Decorator Series Switches

| Description                       | 15A, 120-277V AC | 20A, 120-277V AC |
|-----------------------------------|------------------|------------------|
| Single Pole                       | <b>DSL115xx</b>  | <b>DSL120xx</b>  |
| Double Pole                       | <b>DSL215xx</b>  | <b>DSL220xx</b>  |
| 3-Way                             | <b>DSL315xx</b>  | <b>DSL320xx</b>  |
| 4-Way                             | <b>DSL415xx</b>  | <b>DSL420xx</b>  |
| Illuminated, Single Pole          | —                | <b>DSL120xx</b>  |
| Illuminated, 3-Way                | —                | <b>DSL320xx</b>  |
| Pilot Light, Single Pole, Red LED | —                | <b>DSL120PL</b>  |



xx=CR/DR Receptacle colors: **AL** (Almond), **BK** (Black), No Suffix (Brown), **GY** (Gray), **I** (Ivory), **LA** (Light Almond) and **WHI** (White). GFCI Available in **GY** (Gray), **I** (Ivory) and **W** (White). Consult factory for additional colors.

xx=Toggle/Rocker color: **AL** (Almond), **BK** (Black), No Suffix (Brown), **GY** (Gray), **I** (Ivory), **LA** (Light Almond) and **W** (White). Illuminated available in **I** (Ivory) and **W** (White) only.



Rough-In Ready Pre-Fabricated Systems provide a comprehensive solution for delivering installation efficiency. Available with universal mounting brackets, wiring device, plaster ring and protection plate for outlets and conduit, these complete Rough-In Ready assemblies are designed by technical experts to your specification with available numbered drawings for ease of installation and a reduced construction schedule. Each universal mounting bracket accommodates a wide range of wall depths and comes with an integral box attachment that allows for field terminations without the need to reassemble the box and bracket.

- Significantly reduces construction schedule
- Pre-assembled design for maximum quality
- Inspector-ready acceptance
- Reduced packaging and job-site waste
- Matched to design criteria and specifications



## Ordering Information

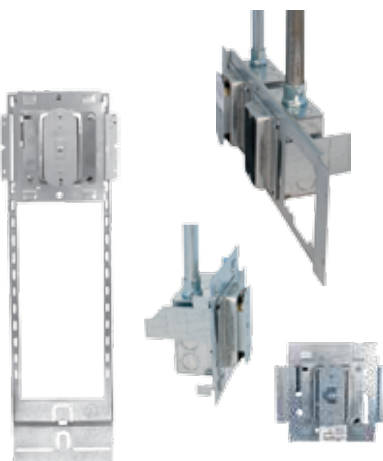
### The Complete System

Rough-In Ready provides a UL listed, prefabricated system, complete with wiring devices, protection plates and MC-AP or MC cables cut to length. Rough-In Ready will do the take-off, supply the proposal, build your system, and delivered on time. All systems come with sequentially numbered assemblies and cables that correspond to a detailed layout drawing supplied by our own designers.



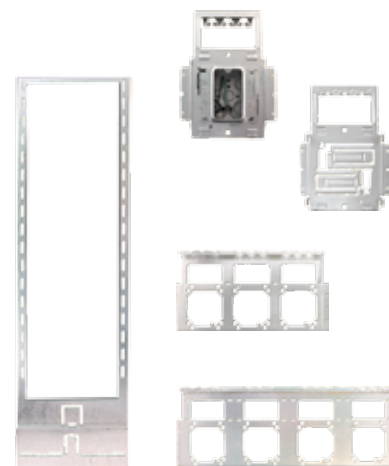
### Pre-Fab Ready Assemblies

Rough-In Ready patented, UL listed components can be pre-assembled to order, ready for either cable or raceway. Our designers will determine what you need from your project drawings, or you can order your most common assemblies to have them ready for multiple jobs. All assemblies that come with a device installed include the patented Secure-Trim™ adjustment ring to eliminate device rock, and insure a flush finish with the wallplate.



### UL Listed Components

All of our Pre-Fab components have unique, cost saving features. All mounting brackets have a built-in first means of cable support and far-side supports adjustable from 2.5" to 6" deep. The feature-rich Rough-In Ready components are available for you to purchase for your own pre-fab shop!



Hubbell's Pre-Wired Raceway Systems save time and money in new construction and retrofits. Especially ideal for deploying power and data in existing buildings, pre-wired raceway is available in aluminum, steel or non-metallic for a variety of applications. Each raceway system is precisely measured, cut, wired, assembled and tested to your specification. Pre-wired raceway from Hubbell can save up to 45% in labor over field installation, helping to keep on schedule and budget, complete jobs faster, and save money.



## Project Support and Documentation

- Dedicated local and factory support team
- Assistance defining bills of material and quotes
- Factory engineer assigned to each project

## Manufacturing and Testing

- Measured, cut, wired and assembled to specification
- Wiring harnesses bundled and labeled for easy identification
- Fully tested and 100% quality inspected prior to kitting

## Fast and Easy Installation

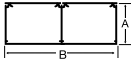
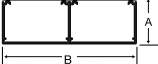
- Kitted, labeled and shipped by room, area or floor
- Completely ready to install upon arrival to job site
- Just secure to wall, make connections, snap on covers and test



## Ordering Information

### Aluminum Pre-Wired Raceway

Satin Anodized Finish.

| Description                         |                                                                                     | Dimensions                            |
|-------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|
| HBLALU3800 Series<br>Single Channel |  | A: 2.25" (57.15)<br>B: 3.00" (76.20)  |
| HBLALU4800 Series<br>Two Channel    |  | A: 2.25" (57.15)<br>B: 6.00" (152.40) |
| HBLALU5000 Series<br>Two Channel    |  | A: 1.75" (44.45)<br>B: 5.08" (129.03) |
| HBLALU7620 Series<br>Three Channel  |  | A: 2.25" (57.15)<br>B: 7.62" (193.55) |

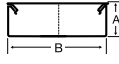
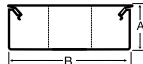
### Also Available UL Listed Modular Pre-Wired Raceway Systems Featuring the Flexibility of LINKOSITY® Connections



Hubbell Pre-Wired Metal Raceway with LINKOSITY® connections is a Hubbell innovation providing a flexible, modular UL Listed System that allows users to relocate furniture and equipment without the need to access the internal wiring of the raceway. The inherent flexibility of this system greatly reduces the cost of installation and future end-user costs associated with re-configuring space.

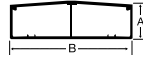
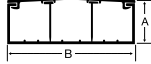
### Steel Pre-Wired Raceway

Ivory or Gray Finish.

| Description                                                           |                                                                                       | Dimensions                            |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------|
| HBL3000 Series<br>Single Channel                                      |  | A: 1.53" (38.86)<br>B: 2.75" (69.85)  |
| HBL4750 Series<br>Single or 2 Channel<br>(with Divider)               |  | A: 1.75" (44.45)<br>B: 4.75" (120.65) |
| HBL6750 Series<br>2 Channel (w/1 divider)<br>3 Channel (w/2 dividers) |  | A: 2.22" (56.39)<br>B: 6.75" (171.45) |

### Non-Metallic Pre-Wired Raceway

Office White Color.

| Description                                  |                                                                                       | Dimensions                            |
|----------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------|
| PB2 BaseTrak® Series<br>Single Channel       |  | A: 1.63" (41.40)<br>B: 4.50" (114.30) |
| PS3 Super BaseTrak® Series,<br>Three Channel |  | A: 1.97" (50.04)B:<br>6.70" (170.18)  |



Hubbell SystemOne has been expanded to include new 6-inch and 8-inch core hole versions. Providing a consistent, attractive and functional solution for in-the-floor or through-the-floor applications. Hubbell SystemOne is extremely easy to use in new construction and renovation projects. The fire-rated poke-throughs include a "stepdown" feature, enabling wiring, installation and removal from the floor above. Sub-plates that easily and efficiently install on SystemOne fire-rated poke-throughs and floor boxes. The modularity of the system allows for extremely economical upgrades and changes in renovation projects.

## 6-Inch and 8-Inch Core Hole

- Less core holes, more capacity
- Recessed connections
- Flush, durable low profile cover in brushed brass plated, satin nickel plated, oil rubbed bronze plated, brushed aluminum and black powder coat
- Large variety of subplates to accommodate various power and data configurations

## 4-Inch Core Hole/Floor Boxes

- Multi-service, multimedia and 4x4 applications
- Cast iron, stamped steel and non-metallic floor boxes
- Easily installed and configurable
- Can be used with both floor boxes and poke-throughs, maintaining a uniform look throughout the facility
- Durable black, gray, brass, aluminum and ivory powder coat finishes



## Ordering Information

### Hubbell SystemOne Flush Fire-Rated Poke-Throughs

#### Multi-Service Floor Box, Round

|                  |               |
|------------------|---------------|
| PVC              | <b>S1PFB</b>  |
| Stamped Steel    | <b>S1SFB</b>  |
| Stamped Steel AV | <b>S1SFBV</b> |
| Cast Iron        | <b>S1CFB</b>  |



#### 4-Inch Poke-Through, 1-Piece

|                |                   |
|----------------|-------------------|
| AV             | <b>S1PT3IMxxx</b> |
| Decorator      | <b>S1PTxxx</b>    |
| 4x4            | <b>S1PT4X4xxx</b> |
| Furniture Feed | <b>S1PTFFxxx</b>  |

xxx = Finish: **AL** (Aluminum), **BL** (Black), **BRS** (Brass) and **GY** (Gray).



#### 4-Inch Poke-Through Floor Fitting

|           |                   |
|-----------|-------------------|
| 2-Channel | <b>S1PTFIT</b>    |
| 4x4       | <b>S1PT4X4FIT</b> |
| AV        | <b>S1PTAVFIT</b>  |



#### 4-Inch Covers

| Description                                                  | Carpets         | Tile            |
|--------------------------------------------------------------|-----------------|-----------------|
| Cast aluminum construction with a durable powder coat finish | <b>S1CFCxxx</b> | <b>S1TFCxxx</b> |

For color options, replace xxx with the following suffixes:



xxx = Finish: **AL** (Aluminum), **BL** (Black), **BRS** (Brass) and **GY** (Gray).

### Hubbell SystemOne Recessed Fire-Rated Poke-Throughs

#### 6-Inch Pre-Wired FRPT for Data/AV

(2) pre-wired 20A receptacles with 18" leads plus 2 decorator openings including 2" EMT and 3/4" EMT, (1) flange and cover assembly

**S1R6PTWZxxx**

#### 6-Inch FRPT for Furniture Feed Applications

(1) 2" EMT, (1) 3/4" EMT, (1) flange and cover assembly

**S1R6PTFFxxx**

#### 6-Inch FRPT Fitting

6" through floor fitting including 2" EMT and 3/4" EMT

**S1R6PTWZxxx**

#### 8-Inch Pre-Wired FRPT for Data/AV

(4) pre-wired 20A receptacles with 18" leads plus 3 gangs with 2" EMT for data and AV, (1) flange and cover assembly

**S1R8PTZZ3xxx**

#### 8-Inch Pre-Wired FRPT for Power

(4) pre-wired 20A receptacles with 18" leads plus 2 gangs with 2" EMT and 1" EMT (1) flange and cover assembly

**S1R8PTZZ2xxx**

#### 8-Inch FRPT Fitting

8" through floor fitting including 2" EMT for data and AV

**S1R8PTFIT3**

#### 6-Inch and 8-Inch Covers

Cast aluminum cover with two large hide-away egress doors



6-Inch  
**S1R6CVRxxx**

8-Inch  
**S1R8CVRxxx**

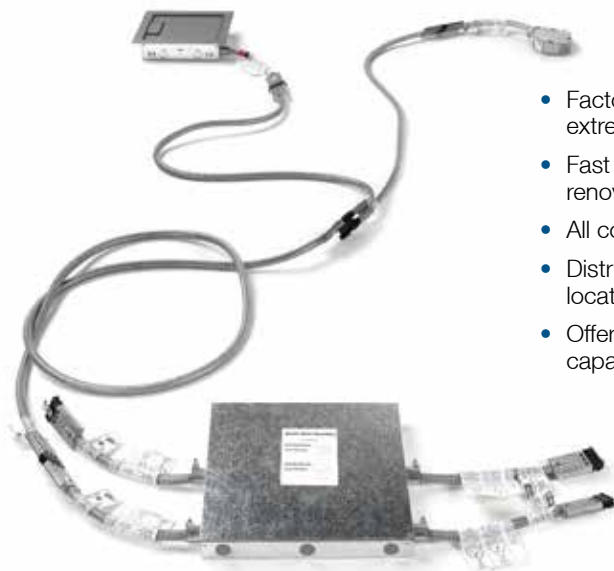
xxx = Finish: **ALU** (Brushed Aluminum), **BLK** (Black Powder Coat), **BRS** (Brushed Brass, Plated), **BRZ** (Oil Rubbed Bronze, Plated) and **NKL** (Satin Nickel, Plated).

#### Sub-Plates

A large array of power, data and AV sub-plates are available for SystemOne Floor Boxes and FRPTs. Consult local sales team or Hubbell website.



Hubbell's UL listed Connexion Zone Distribution System is a modular wiring system with plug-and-play installation that saves time and money when delivering power and data to workstations in raised-floor applications, including new construction, office renovations, retail outlets, educational facilities and network operation centers. The system features pre-wired extender cables that create links between the distribution box and points of use, carrying 8 conductors to every point in the zone. With Hubbell Connexion Zone Distribution System, power and communications can be located where needed for efficient relocations and upgrades.



- Factory assembled components for extremely fast installation
- Fast and easy to reconfigure during renovations
- All components are UL listed to UL183
- Distributes power to more than one location from a single feed
- Offers the greatest degree of circuit capacity



## Ordering Information

### Expandable Zone Distribution Boxes

| Description        | Catalog Number   |
|--------------------|------------------|
| 4/2/2 System (2+2) | <b>PDCS42222</b> |
| 4/2/2 System (3+1) | <b>PDCS42231</b> |
| 3/3/2 System       | <b>PDCS332</b>   |

### Extender Cable

| Female To Female | Catalog Number      |
|------------------|---------------------|
| 4/2/2 System     | <b>EXT422yyFF8W</b> |
| 3/3/2 System     | <b>EXT332yyFF8W</b> |

yy = Length: **05** (5 ft.), **10** (10 ft.), **15** (15 ft.), **20** (20 ft.), **25** (25 ft.), and **30** (30 ft.). Custom lengths are available upon request.

### Cable Whip

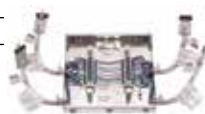
| Description          | Male To Open        | Female To Open      |
|----------------------|---------------------|---------------------|
| 4/2/2 System, 15 in. | <b>EXT42201MO8W</b> | <b>EXT42201FO8W</b> |
| 3/3/2 System, 15 in. | <b>EXT33201MO8W</b> | <b>EXT33201FO8W</b> |
| 4/2/2 System, 5 ft.  | <b>EXT42205MO8W</b> | <b>EXT42205FO8W</b> |
| 3/3/2 System, 5 ft.  | <b>EXT33205MO8W</b> | <b>EXT33205FO8W</b> |
| 4/2/2 System, 15 ft. | <b>EXT42215MO8W</b> | <b>EXT42215FO8W</b> |
| 3/3/2 System, 15 ft. | <b>EXT33215MO8W</b> | <b>EXT33215FO8W</b> |

### Splitter Modules

| Description  | Catalog Number     |
|--------------|--------------------|
| 4/2/2 System | <b>SPLITTER422</b> |
| 3/3/2 System | <b>SPLITTER332</b> |

### Furniture Feed

| Description  | Catalog Number |
|--------------|----------------|
| 4/2/2 System | <b>FIJB422</b> |
| 3/2/2 System | <b>FIJB332</b> |



### Floor Boxes

| Description                         | Catalog Number     |
|-------------------------------------|--------------------|
| 4-Gang, deep; metallic cover        | <b>AFB301xx</b>    |
| 4-Gang, shallow; metallic cover     | <b>AFB401xx</b>    |
| 8-Gang, deep; metallic cover        | <b>AFB501xx</b>    |
| 4-Gang, deep; non-metallic cover    | <b>HBLAFB101xx</b> |
| 3-Gang power and 1-gang low voltage | <b>AFB801xx</b>    |

xx = Cover color: **BK** (Black) and **GNT** (Gray)



AFB301BK



HBLAFB101BK

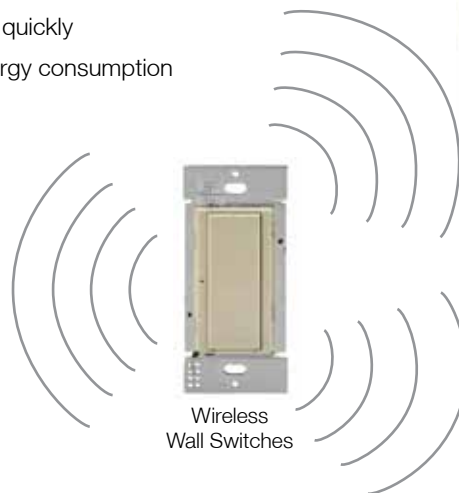


AFB801GNT



Hubbell's WL-Series Wireless Sensors and Controls are the ideal solution for renovation projects aimed at reducing energy consumption. These sensors use DSP Enhanced passive infrared technology to detect movement of heat from people to turn lights on when a room is occupied and off when vacant. The sensors wirelessly transmit commands to the associated control devices, reducing the need for additional wiring for ease and speed of installation and energy savings.

- Eliminates need to run extra wires
- Supports highly reconfigured spaces
- Complete projects quickly
- Helps manage energy consumption



## Ordering Information

### Wireless Ceiling Mount Sensor

| Description                                  | Color | Catalog Number |
|----------------------------------------------|-------|----------------|
| Ceiling mount 360° - 324-676 ft <sup>2</sup> | White | <b>WLP450C</b> |

### Wireless Wall Mount Sensor

- Detection at longer distances is best when motion occurs at right angles to the sensor.
- Multiple sensors can be used to extend coverage.

| Description                            | Color | Catalog Number  |
|----------------------------------------|-------|-----------------|
| Wall mount 180° - 3000 ft <sup>2</sup> | White | <b>WLP3000W</b> |

### Wireless Corner Mount Wall Sensor

- Detection at longer distances is best when motion occurs at right angles to the sensor.
- Multiple sensors can be used to extend coverage.
- Corner mount bracket included.

| Description                               | Color | Catalog Number  |
|-------------------------------------------|-------|-----------------|
| Corner mount - 90° - 2500 ft <sup>2</sup> | White | <b>WLP2500W</b> |

### Wireless Wall Mount Hallway Sensor

- Designed to mount at the end of a hallway with a clear view down the length of a hall.
- Detection at longer distances is best when motion occurs at right angles to the sensor.
- Multiple sensors can be used to extend coverage.

| Description                   | Color | Catalog Number |
|-------------------------------|-------|----------------|
| Hallway - up to 150 linear ft | White | <b>WLP150H</b> |

Compatible Controls: WSL1278xx switch, WLC316R control unit, or any Lutron Clear Connect Enabled Control Device.

### Wireless Wall Switches

| Description                                                                                                     | Color | Catalog Number  |
|-----------------------------------------------------------------------------------------------------------------|-------|-----------------|
| 8A Lighting, 3A Fan (1/10 HP motor, 120V only), Spec Grade Electronic Switch 120-277V, No Neutral Wire Required | Ivory | <b>WLS1278I</b> |
|                                                                                                                 | White | <b>WLS1278W</b> |
| Accessory Switch 120V                                                                                           | Ivory | <b>WLAS120I</b> |
|                                                                                                                 | White | <b>WLAS120W</b> |
| Accessory Switch 277V                                                                                           | Ivory | <b>WLAS277I</b> |
|                                                                                                                 | White | <b>WLAS277W</b> |

Compatible Transmitters: WLP series and WLDH sensors any Lutron Clear Connect Enabled Sensor.

### Wireless Control Unit

| Description                                    | Catalog Number |
|------------------------------------------------|----------------|
| Wireless load control unit with isolated relay | <b>WLC316R</b> |

Compatible Transmitters: WLP series and WLDH sensors any Lutron Clear Connect Enabled Sensor.

### Wireless Daylight Sensor

| Description                                 | Color | Catalog Number |
|---------------------------------------------|-------|----------------|
| Daylight sensor 0-107,000 Lux (0-10,000 fc) | White | <b>WLDH</b>    |

Compatible Controls: WSL1278xx switch, WLC316R control unit, or any Lutron Clear Connect Enabled Control Device.

With less parts to order and assemble, Hubbell's iFRAME® network hardware management system gets your data center and telecommunications rooms up and running faster. The iFRAME® features strong I-beam columns that simply bolt to the floor every two feet, quickly resulting in an EIA-310-E-Compliant rack to mount a full complement of network gear. With integrated grounding and bonding, power distribution and cable management, the iFRAME® system offers a total integrated solution. It is also designed to align with the raised floor and dropped ceiling grid to further simplify installation.



- Significantly less parts to assemble provides 10-15% more rack space
- Aligns with floor and ceiling grid
- Easy to install—simply bolt to the floor and install top plate
- Each additional column in the row forms an EIA-310-D rack
- Covers hinge to both left and right for ease of use
- Provides superior cable management
- 1400 lb load capacity
- Can be configured into a 4-post frame for data center requirements



## Ordering Information

### iFRAME® Column

Contents: (1) iFRAME® column weldment, (1) bottom alignment installation aid and (1) iFRAME® top plate floor template, (1) full height front cover with (4) heavy-duty floor anchor washers dual-acting hinges and (2) dual-acting front cover hinges (not included in IS7E), (20) #12-24 x 5/8" dog point machine screws, (4) 4" gates (Catalog No. VCG4) and washers, (12) snap-in-place cable routing spools, and (1) assembly hardware kit

| Rack Units                                      | Height Inches (mm) |              | Width In. (mm) | Rail Depth In. (mm) | Overall Depth In. (mm) | Hole Type      | Color | Catalog Number |
|-------------------------------------------------|--------------------|--------------|----------------|---------------------|------------------------|----------------|-------|----------------|
|                                                 | Overall            | Usable       |                |                     |                        |                |       |                |
| Use: Without Raised Floor                       |                    |              |                |                     |                        |                |       |                |
| 45                                              | 84" (2134)         | 78.8" (2002) | 5" (13)        | 3" (8)              | 14.17" (360)           | 12-24 Threaded | Black | IS7            |
| 45                                              | 84" (2134)         | 78.8" (2002) | 10" (25)       | 3" (8)              | 14.17" (360)           | 12-24 Threaded | Black | IS710          |
| Use: Square Holes with Cage Nuts                |                    |              |                |                     |                        |                |       |                |
| 45                                              | 84" (2134)         | 78.8" (2002) | 5" (13)        | 3" (8)              | 14.17" (360)           | Square         | Black | IS7M6          |
| 45                                              | 84" (2134)         | 78.8" (2002) | 10" (25)       | 3" (8)              | 14.17" (360)           | Square         | Black | IS7M610        |
| Use: As the Rear Columns in 4-Post Applications |                    |              |                |                     |                        |                |       |                |
| 45                                              | 84" (2134)         | 78.8" (2002) | 5" (13)        | 3" (8)              | 14.17" (360)           | 12-24 Threaded | Black | IS7E           |

Note: Order two columns for the first rack in a line, then order only one column for each additional rack.

### Category 6A Rear Cable Management Kit

Contents: 12" W x 6' L ladder rack sticks (Catalog No. HLS0612B), 12" W x 24" L iFRAME® top ladder, 27" W x 24" L iFRAME® top ladder, wall mounting kit (Catalog No. HLX0612), T-splice kit (Catalog No. HLTK) and mounting brackets

| Color | Catalog Number |
|-------|----------------|
| Black | <b>ICKC</b>    |

### Top Ladder Rack

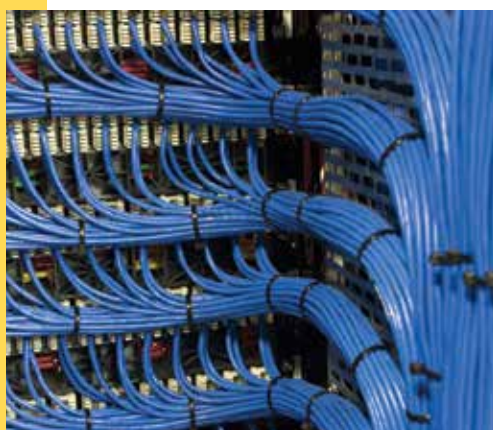
| Color | Ladder Dimensions | Stringer Dimensions | Catalog Number |
|-------|-------------------|---------------------|----------------|
| Black | 2" H x 12" W      | 1 1/2" x 3/8"       | <b>ICKL</b>    |



IS7  
Shown: door open, door closed



ICKL



Hubbell's Assemble-to-Order Cable Assembly Program delivers custom copper and fiber assemblies with short lead times to help you get your data center up and running faster than ever. Available in custom lengths, configurations and colors, in Category 5e or 6A, 25-pair, or multi-configured fiber trunk cables, BIDnet Pre-Terminated Trunk Assemblies fit virtually any data center or network application. With 70% less installation time and 100% factory terminated and tested, BIDnet ensures installation efficiency, peace of mind and reduced job-site waste.

- High performance, short lead time
- Custom lengths for reduced waste and faster deployment
- Substantially reduces installation time
- 100% factory terminated and tested for maximum reliability
- Labeled at each end for easy moves, adds, and changes
- Less on-site packing waste



Pre-Terminated Copper Trunk Assemblies



Pre-Terminated Fiber Trunk Assemblies

## Ordering Information

### Copper Assemblies

|             |                                      |
|-------------|--------------------------------------|
| Lengths:    | 10'-295'                             |
| Legs:       | 1, 4 and 6                           |
| Category:   | 5e, 6 and 6A                         |
| Connection: | RJ45 jack; RJ45 plug; open end       |
| Cable:      | Plenum, riser and LSZH               |
| UTP:        | Category 5e; Category 6; Category 6A |
| FTP:        | Category 6 (10G Base-T)              |
| Color:      | Blue and white                       |



Jack to Open



Jack to Plug



Jack to Jack

### Transition Assemblies

Connectors: MTP female to LC or SC duplex  
Fiber types: 50/OM3, 50/OM4, SM/OS2  
Fiber strand count: 12, 24 and 48 fibers  
Cable: plenum, riser, or LSZH (armored or non-armored)  
Polarity: TIA-568C.3, Type A,B or C



### Distribution Fan-Out Trunks and Pigtails

Connectors: LC, MSFP, keyed LC, SC, SC/APC, ST, FC, FC/APC  
Fiber types: 62/OM1, 50/OM2, 50/OM3, 50/OM4, SM/OS2  
Fiber strand count: 6, 12, 24, 48, 72, 96  
Cable: plenum, riser, or LSZH (armored or non-armored)  
Fan-out: 2.0mm furcation tubing



### Mesh Bundle Trunks (2.0mm Duplex Zip Cord)

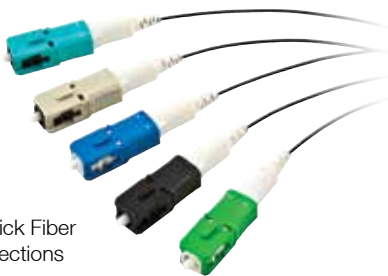
Connectors: LC, MSFP, keyed LC, SC, SC/APC, ST, FC, FC/APC  
Fiber types: 62/OM1, 50/OM2, 50/OM3, 50/OM4, SM/OS2  
Fiber strand count: 6, 12, 24, 48, 72, 96  
Cable: plenum, riser, or LSZH  
Outer sheath: polyester mesh



Factory terminated with MPO multi-fiber fanouts, Hubbell Pre-Terminated MPO Optical Cassettes snap easily into most Hubbell fiber patch panels, enclosures or cabinets. MPO cassettes and cords provide a flexible, rapid deployment fiber infrastructure solution. Available factory assembled MPO-to-MPO 12-fiber cables with attached pulling grip enable easy pulls through pathways and conduit. For reliable fiber terminations in less than one minute, Hubbell PROclick® Pre-Polished SC and LC Fiber Connectors feature a pre-installed cleaved fiber with an index-matching splice mechanism and a precision factory pre-polished ferrule.



MPO Cassettes



PROclick Fiber Connections

## MPO Cassettes

- Compact design saves space
- Factory-terminated, 100% optically tested for low-loss, reliable performance
- Available in multimode and singlemode with 10 Gig Ethernet
- SC, ST, LC and MT-RJ versions available

## PROclick Fiber Connections

- Typically Terminates in less than one minute
- Precision low-loss factory polished
- No adhesives or field polishing required
- Proven fiber clamping method with stable performance
- RoHS compliant and bulk packed in recyclable boxes



## Ordering Information



### MPO 12-Fiber Cassette

| Fiber Type  | Color | SC Duplex      | ST-Style      | LC Duplex 12F   | LC Duplex 24F*   | LC Quad 24F*     | MT-RJ          |
|-------------|-------|----------------|---------------|-----------------|------------------|------------------|----------------|
| 50µm, OM2   | Black | <b>OCSC50</b>  | <b>OCST50</b> | <b>OCLC50</b>   | <b>OCLCD50</b>   | <b>OCLCQ50</b>   | <b>OCRJ50</b>  |
| 50µm, OM3   | Aqua  | <b>OCSC50G</b> | –             | <b>OCLC50G</b>  | <b>OCLCD50G</b>  | <b>OCLCQ50G</b>  | <b>OCRJ50G</b> |
| 50µm, OM4   | Aqua  | –              | –             | <b>OCLC50G4</b> | <b>OCLCD50G4</b> | <b>OCLCQ50G4</b> | –              |
| 62.5µm, OM1 | Beige | <b>OCSC62</b>  | <b>OCST62</b> | <b>OCLC62</b>   | <b>OCLCD62</b>   | <b>OCLCQ62</b>   | <b>OCRJ62</b>  |
| SM, OS2     | Blue  | <b>OCSCSM</b>  | <b>OCSTSM</b> | <b>OCLCSM</b>   | <b>OCLCDSM</b>   | <b>OCLCQSM</b>   | –              |

\*24 fibers, 2-12 fiber MPO connectors in rear.

### PROclick® LC Pre-Polished Connectors

| Fiber Type  | Cable Type | Color | 12 Pack**             |
|-------------|------------|-------|-----------------------|
| 50µm, OM3   | 900/250 µm | Aqua  | <b>FCLC900K50GM12</b> |
| 50µm, OM2   | 900/250 µm | Black | <b>FCLC900K50M12</b>  |
| 62.5µm, OM1 | 900/250 µm | Beige | <b>FCLC900K62M12</b>  |
| SM, OS2     | 900/250 µm | Blue  | <b>FCLC900KSM12</b>   |

\*\*Also available in 100 pack. To order, replace the 12 suffix with 100.

### 2Click® ST Pre-Polished Connectors

| Fiber Type  | Cable Type | Color | 12 Pack           |
|-------------|------------|-------|-------------------|
| 50µm, OM3   | 900/250 µm | Aqua  | <b>FCST50GM12</b> |
| 50µm, OM2   | 900/250 µm | Black | <b>FCST50M12</b>  |
| 62.5µm, OM1 | 900/250 µm | Beige | <b>FCST62M12</b>  |
| SM, OS2     | 900/250 µm | Blue  | <b>FCSTSM12</b>   |

### PROclick® SC Pre-Polished Connectors

| Fiber Type  | Cable Type | Color | 12 Pack**             |
|-------------|------------|-------|-----------------------|
| 50µm, OM3   | 900/250 µm | Aqua  | <b>FCSC900K50GM12</b> |
| 50µm, OM2   | 900/250 µm | Black | <b>FCSC900K50M12</b>  |
| 62.5µm, OM1 | 900/250 µm | Beige | <b>FCSC900K62M12</b>  |
| UPC SM, OS2 | 900/250 µm | Blue  | <b>FCSC900KSM12</b>   |
| APC SM, OS2 | 900/250 µm | Green | <b>FCSC900KASM12</b>  |

\*\*Also available in 100 pack. To order, replace the 12 suffix with 100.

### Tools

| Description                                       | Catalog No.     |
|---------------------------------------------------|-----------------|
| Fiber Cleaver Single fiber multimode, cleave tool | <b>OFCLV3</b>   |
| Fiber Cleaver Singlemode, tool kit with case      | <b>OFCLV5</b>   |
| Visual Fault Locator (ST, SC, LC)                 | <b>OFVFLKT1</b> |





Installation efficiency at the work area is critical in today's facilities that can contain several thousands of connections to support data, voice and AV applications. Hubbell's Plug-n-Play X-END AV Solution uses pre-terminated assemblies and a locking connections that save valuable installation and testing time. The patch cords and tails are easily swapped out as requirements in horizontal cabling runs. For quick, efficient punching down all four pairs of a voice/data jack, the Hubbell 1-Punch Tool saves valuable installation time over traditional single-blade tools.

## X-END Plug-n-Play

- Overmolded connections with locking interface ensure mated connection
- Designed for minimal signal loss for superior audio and video
- Support multiple applications and connector configurations
- Plug-n-play design saves installation and testing time

## HDMI 110 UTP Extender

- Utilizes UTP cabling (Cable is already on site)
- Customize lengths on site (No pre-ordering cable assemblies)
- Integrates into all Hubbell workstation and delivery products

## One Punch Tool

- Reduces termination time by 75%
- Consistent, reliable termination every time
- Punches all 4 pairs and cuts off excess wire in one punch



X-END Plug-n-Play



HDMI 110 UTP Extender



One Punch Tool

## Ordering Information

### Hubbell iSTATION HDMI 110 UTP Extenders

| Description                  | DC     | Installation | Decorator        | Module           |
|------------------------------|--------|--------------|------------------|------------------|
| 110 UTP HDMI extender (pair) | 5 Volt | 2 4-pair     | <b>ISFH110xx</b> | <b>IMH1102xx</b> |

xx = Color: **BK** (Black), **EI** (Electric Ivory), **GY** (Gray), **OW** (Office White), and **W** (White).



### AV Plug-n-Play X-END Horizontal Cable Runs, Male, Black

| Description                   | Catalog Number    |
|-------------------------------|-------------------|
| Non-Plenum, 8-pin             | <b>VGA6yyBK</b>   |
| Plenum, 8-pin                 | <b>VGA6PyyBK</b>  |
| Non-Plenum, 8-pin, with 3.5mm | <b>VGA36yyBK</b>  |
| Plenum, 8-pin, with 3.5mm     | <b>VGA36PyyBK</b> |

yy = Length: **15** (15 ft), **25** (25 ft), **35** (35 ft), **50** (50 ft), **75** (75 ft), and **100** (100 ft). Contact Hubbell customer service for custom legths, minimum quantities and lead times may apply.



### VGA Plug-n-Play X-END Connections

| Quantity | 15-Pin (F) to 8-Pin (F) |                |                |                | 15-Pin (M) to 8-Pin (M) 8" Tail |                 |
|----------|-------------------------|----------------|----------------|----------------|---------------------------------|-----------------|
|          | Straight 180°           | Angled 45°     | Angled 90°     | 8" Tail        | Non-Plenum                      | Plenum          |
| 1-Pack   | <b>15S6P1</b>           | <b>15A6P1</b>  | <b>15N6P1</b>  | <b>15T6P1</b>  | <b>15M6P1</b>                   | <b>15MP6P1</b>  |
| 10-Pack  | <b>15S6P10</b>          | <b>15A6P10</b> | <b>15N6P10</b> | <b>15T6P10</b> | <b>15M6P10</b>                  | <b>15MP6P10</b> |



### 1-Punch Tool for XCELERATOR Jacks

| Description                                                       | Catalog Number  |
|-------------------------------------------------------------------|-----------------|
| 1-punch Ascent HJ tool with head, blades and HXTA termination aid | <b>TX4P6A</b>   |
| 1-punch XJ tool with head, blades and HXTA termination aid        | <b>TX4P</b>     |
| Hand termination aid "Jack Knuckles" Xcelerator/Ascent            | <b>HXTA</b>     |
| Snap-X termination puck (bag of 25)                               | <b>HXTP25</b>   |
| Ascent termination puck (bag of 25)                               | <b>HJTP6A25</b> |

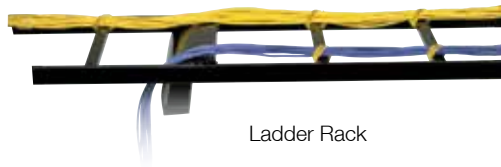
### 1-Punch Tool for P6E and P6A Series Patch Panels

| Description                           | Catalog Number |
|---------------------------------------|----------------|
| Patch Panel tool with head and blades | <b>TX4PP</b>   |

Replacement heads and blades are available. Hubbell Xcelerator jacks are compatible with Paladin Tools® "Jack Terminator" PA8111 termination tool.



Hubbell's NEXTFRAME family of Cable Management Products are the ideal solution for high density cabling requirements in data centers and telecommunication rooms. From horizontal and vertical cable managers, to ladder rack and basket tray, all NEXTFRAME cable management products are designed to provide maximum installation efficiency. Horizontal and vertical cable managers are extremely modular and snap easily together, while ladder rack mounts easily to floors, walls, ceilings, racks and cabinets. For overhead or underfloor applications, Hubbell Wire Mesh Basket Tray provides substantial cable capacities and an economical cable solution.



Ladder Rack



Wire Basket Tray

## Basket Tray:

- "Flat" style design significantly reduces stress on cables laying in bottom of tray
- Easy to install
- Field fabricated fittings
- Complete offering of supports, splice hardware and accessories
- Available finishes: Pre-galvanized  
Powder coat paint: Black and pewter  
Stainless steel



## Ordering Information

### Ladder Rack Straight Section

| Width<br>Inches (mm) | 6 Foot (1829) Length |                 | 10 Foot (3048) Length |                 |
|----------------------|----------------------|-----------------|-----------------------|-----------------|
|                      | Black                | Gray            | Black                 | Gray            |
| 6" (152)             | <b>HLS0606B</b>      | <b>HLS0606G</b> | <b>HLS1006B</b>       | <b>HLS1006G</b> |
| 12" (305)            | <b>HLS0612B</b>      | <b>HLS0612G</b> | <b>HLS1012B</b>       | <b>HLS1012G</b> |
| 18" (457)            | <b>HLS0618B</b>      | <b>HLS0618G</b> | <b>HLS1018B</b>       | <b>HLS1018G</b> |
| 24" (610)            | <b>HLS0624B</b>      | <b>HLS0624G</b> | <b>HLS1024B</b>       | <b>HLS1024G</b> |

Note: Please order straight sections in multiples of 10 pieces. Width = outside to outside dimensions.

### Hubbell Basket Tray Catalog Numbers:

**HBT** \_\_\_\_ (add suffix letter "S" for shaped/flat style wire design)  
Depth Width

Available Depths (inches):

**02**  
**04**  
**06**  
**08**

Available Widths (inches):

**04**  
**06**  
**08**  
**12**  
**16**  
**18**  
**20**  
**22**  
**24**

Standard finish is "pre-galvanized".

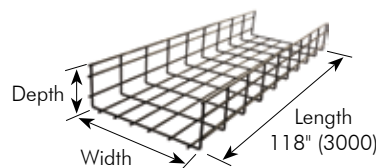
Add suffix "BK" for powder coated black paint finish.

For additional hardware and accessories contact Hubbell.



Round Style      Shaped/Flat Style  
Cross sectional view of cross wires.

Shaped cross wires have more surface area and significantly reduces pressure and strain on cables.



### Ceiling Support

| Width Inches (mm) | Catalog Number   |
|-------------------|------------------|
| 12" (305)         | <b>HBTWGSP12</b> |
| 16" (406)         | <b>HBTWGSP16</b> |
| 18" (457)         | <b>HBTWGSP18</b> |
| 20" (508)         | <b>HBTWGSP20</b> |
| 24" (610)         | <b>HBTWGSP24</b> |



### Accessories

| Description   | Catalog Number |
|---------------|----------------|
| Splice kit    | <b>HBTSK</b>   |
| Corner splice | <b>HBTCS</b>   |



When it comes to ensuring efficient maintenance, repair and operation for maximum productivity in manufacturing facilities, Hubbell Industrial Solutions combine plug-and-play connections with safety to ensure rapid and safe equipment replacements and simple reconfigurations of machinery. Ideal for switching of PLCs and electronic drive systems, Hubbell Circuit-Lock® Disconnect Switch features auxiliary contacts that are factory installed and ready for wiring. MotorQuick®, quick disconnect switches are pre-wired to work with the Linkosity® plug-n-play power distribution system, are reducing motor replacement time by more than 60%.

## Circuit-Lock® Disconnects

- UL listed as a motor controller and also "suitable as a motor disconnect"
- Meets NEC line-of-sight requirements for maximum safety
- Highly visible lockable handle meets OSHA lockout/tagout regulations
- Type 4X enclosure is molded of rugged Valox® to resist abuse, corrosion and enhance safety

## Motor-Quick®

- Enables faster installation and replacement of motors
- Pre-wired with Linkosity® components
- Easily retrofits to existing hard-wired installations using Linkosity®

## Linkosity®

- Plug-n-play wiring with reconfigurable distribution components. Fast installation for 20A and 30A circuits up to 600V
- Labor-savings alternative to conventional wiring
- Cables are UL Type PC-ER with crush and impact resistance for maximum safety



Circuit-Lock® Disconnects



MotorQuick®



Linkosity®

## Ordering Information

### Circuit-Lock® Unfused Disconnect Switches



| Description                                              | Catalog Number   |
|----------------------------------------------------------|------------------|
| 30A disconnect switch                                    | <b>HBLDS3</b>    |
| 30A disconnect switch with one HBLAC1 auxiliary contact  | <b>HBLDS3AC</b>  |
| 60A disconnect switch                                    | <b>HBLDS6</b>    |
| 60A disconnect switch with one HBLAC1 auxiliary contact  | <b>HBLDS6AC</b>  |
| 100A disconnect switch                                   | <b>HBLDS10</b>   |
| 100A disconnect switch with one HBLAC1 auxiliary contact | <b>HBLDS10AC</b> |

### Auxiliary Contacts for 30, 60 and 100A Switches



| Description                                                                | Catalog Number |
|----------------------------------------------------------------------------|----------------|
| Auxiliary contacts, "break after main break" 1 set of n/o and n/c contacts | <b>HBLAC1</b>  |
| Auxiliary contacts, "break before main break" 1 set of n/o contacts        | <b>HBLAC2</b>  |

### Power Components Cables and Receptacles 20A, 30A up to 600V



| Device Type                                              | Ratings                                                                                                                                        | Wires       | Conductor Color**                          | Length (ft.)   |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------|----------------|
| <b>PH</b> Double Ended Cable - Male/Female Straight      | <b>20</b> 20A up to 600V                                                                                                                       | <b>02 -</b> | <b>PA</b>                                  | <b>001</b> 1'  |
| <b>PM</b> Male Single Ended Straight                     |                                                                                                                                                | <b>05</b>   | Green/Yellow; Black (all others)           | <b>005</b> 5'  |
| <b>PN</b> Male Single Ended 90°                          |                                                                                                                                                |             |                                            | <b>010</b> 10' |
| <b>PF</b> Female Single Ended Straight                   | <b>23</b> 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices) | <b>03</b>   | <b>PB</b>                                  | <b>015</b> 15' |
| <b>PG</b> Female Single Ended 90°                        |                                                                                                                                                | <b>04</b>   | Green/Yellow                               | <b>020</b> 20' |
| <b>PQ</b> Double Ended Cable with Female 90°             |                                                                                                                                                | <b>05</b>   | White                                      | <b>025</b> 25' |
| <b>PR</b> Double Ended Cable with Male 90°               |                                                                                                                                                | <b>06</b>   | Black (all others)                         | <b>030</b> 30' |
| <b>PS</b> Double Ended Cable with (2) 90° Connectors     |                                                                                                                                                |             | **other color codes available upon request | <b>035</b> 35' |
| <b>RF</b> Female Receptacle; ½" N.P.T. rear thread       | <b>30</b> 30A up to 600V                                                                                                                       |             |                                            | <b>040</b> 40' |
| <b>RM</b> Male Receptacle (Inlet); ½" N.P.T. rear thread |                                                                                                                                                |             |                                            | <b>045</b> 45' |
|                                                          |                                                                                                                                                |             |                                            | <b>050</b> 50' |

Example Catalog Number: **PH2306PB05**

### Type 1; 30A 3 Pole 600V AC

| Description                                                                                                     | with HBL1389D      | with HBLDS3       |
|-----------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| (1) pre-wired LINKOSITY® female receptacle (load side)                                                          | <b>HBL1389MQR</b>  | <b>HBLDS3MQR</b>  |
| 5 ft. pre-wired LINKOSITY® female cable (load side)                                                             | <b>HBL1389MQ5</b>  | <b>HBLDS3MQ5</b>  |
| (1) pre-wired LINKOSITY® male receptacle (line side) and (1) pre-wired LINKOSITY® female receptacle (load side) | <b>HBL1389MQR2</b> | <b>HBLDS3MQR2</b> |



The NEC requires a separate disconnect means within sight of all motors. Hubbell's easy-to-install Mechanical Interlock devices eliminate making or breaking the circuit under load, are suitable as motor disconnects, and meet OSHA lockout/tagout regulations. The IEC Mechanical Interlock is easy to install with a pre-wired pin and sleeve receptacle, adjustable mounting feet and DIN rail mounted switch. The Insulgrip® Twist-Lock® Mechanical Interlock Enclosure accepts any 20A or 30A Watertight Safety-Shroud Receptacle and provides a simple, compact, low profile and watertight installation.

IEC Mechanical Interlocks



## IEC Mechanical Interlocks

- Easy installation with multiple mounting options and pre-wired receptacle
- Eliminates making or breaking circuit under load for safe connections
- Highly visible red handle complies with OSHA lockout/tagout requirements
- Certified as a manual motor controller and suitable as a disconnect

## Insulgrip® Twist-Lock® Mechanical Interlock

- Heavy-duty internal frame bonds conduit and all grounds
- Easily accepts auxiliary contacts for various control circuit applications
- Offset premolded conduit entry protects components and speeds installation by making it easier to pull conductors

Insulgrip® Twist-Lock® Mechanical Interlock



## Ordering Information

### IEC Watertight Pin and Sleeve

| Rating Color Coded by Voltage | Poles/Wires | Mechanical Interlock |
|-------------------------------|-------------|----------------------|
| 20A<br>3Ø 480V                | 3P 4W       | <b>HBL420MI7W</b>    |
| 30A<br>3Ø 250V                | 3P 4W       | <b>HBL430MI9W</b>    |
| 30A<br>3Ø 480V                | 3P 4W       | <b>HBL430MI7W</b>    |
| 30A<br>3Ø 600V                | 3P 4W       | <b>HBL430MI5W</b>    |
| 30A<br>3ØY 277/480V           | 4P 5W       | <b>HBL530MI7W</b>    |
| 60A<br>3Ø 250V                | 3P 4W       | <b>HBL460MI9W</b>    |
| 60A<br>3ØY 120/208V           | 4P 5W       | <b>HBL560MI9W</b>    |
| 60A<br>3Ø 480V                | 3P 4W       | <b>HBL460MI7W</b>    |
| 60A<br>3Ø 600V                | 3P 4W       | <b>HBL460MI5W</b>    |
| 100A<br>250V                  | 3P 4W       | <b>HBL4100MI9W</b>   |
| 100A<br>3ØY 120/208V          | 4P 5W       | <b>HBL5100MI9W</b>   |
| 100A<br>3Ø 480V               | 3P 4W       | <b>HBL4100MI7W</b>   |
| 100A<br>3Ø 600V               | 3P 4W       | <b>HBL4100MI5W</b>   |

For mating plug, replace MI with P. Ex. **HBL420MI7W** (mechanical interlock) to **HBL420P7W** (mating plug).



### Twist-Lock® Mechanical Interlock

| 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. Supplied with ¾" N.P.T. Hub. | <b>HBLMITL</b> |



### Accepts the following Watertight Safety-Shroud® Twist-Lock® Receptacles

| Rating         | Voltage AC  | NEMA   | Max HP Rating | Receptacle Catalog Number |
|----------------|-------------|--------|---------------|---------------------------|
| 20 Amp         | 120         | L5-20  | 1             | <b>HBL2310SW</b>          |
| 2 Pole, 3 Wire | 208-240     | L6-20  | 2.5           | <b>HBL2320SW</b>          |
|                | 277         | L7-20  | 3             | <b>HBL2330SW</b>          |
| 20 Amp         | 120/240     | L14-20 | 2.5           | <b>HBL2410SW</b>          |
| 3 Pole, 4 Wire | 240 3Ø      | L15-20 | 5 (3@208V)    | <b>HBL2420SW</b>          |
|                | 480 3Ø      | L16-20 | 10            | <b>HBL2430SW</b>          |
| 20 Amp         | 120/208 3ØY | L21-20 | 3             | <b>HBL2510SW</b>          |
| 4 Pole, 5 Wire |             |        |               |                           |
| 30 Amp         | 120         | L5-30  | 1             | <b>HBL2610SW</b>          |
| 2 Pole, 3 Wire | 208-240     | L6-30  | 3             | <b>HBL2620SW</b>          |
| 30 Amp         | 120/240     | L14-30 | 3             | <b>HBL2710SW</b>          |
| 3 Pole, 4 Wire | 240 3Ø      | L15-30 | 7.5           | <b>HBL2720SW</b>          |
|                | 480 3Ø      | L16-30 | 15            | <b>HBL2730SW</b>          |
| 30 Amp         | 120/208 3ØY | L21-30 | 7.5           | <b>HBL2810SW</b>          |
| 4 Pole, 5 Wire | 277/480     | L22-30 | 7.5           | <b>HBL2820SW</b>          |
|                | 347/600     | L23-30 | 7.5           | <b>HBL2830SW</b>          |



Ideal for quickly delivering power when and where it's needed, Hubbell's Industrial Cord Reels eliminate unmanaged cords and cables that can cause trip hazards and or risk of electric shock. They feature a plug-in 5 foot power cord that requires no electric wiring, a multi-position guide arm to position the cable where it's needed, and a positive-latch mechanism to automatically maintain desired cord length. Available with a variety of connector types and lighted lamp ends, the cord reels can be easily wall, ceiling or bench mounted. An available pivot base provides a full 340° rotation.

- Provides safe, convenient power for demanding industrial environments
- All steel construction can easily be ceiling, wall or bench mounted
- Keeps cords organized, saving time and money and improving safety
- Durable and corrosion resistant for long term performance and savings



Industrial Cord Reels

- Available with LED, fluorescent or incandescent light
- Durable, corrosion resistant steel construction with yellow powder coat finish



Lighted Cord Reels

## Ordering Information

### Industrial Power Cord Reels

| Cord End                                       | Cable Feet (m) | Cable Type | Weight Lbs. (kg) | 15A 125V Catalog Number | 20A 125V Catalog Number |
|------------------------------------------------|----------------|------------|------------------|-------------------------|-------------------------|
| HBL5269C 15A connector/ HBL5369C 20A connector | 45 (13.7)      | 12/3 SJEO  | 23 (10.4)        | <b>HBL45123C</b>        | <b>HBL45123C20</b>      |
| Portable duplex outlet box; gray duplex        | 45 (13.7)      | 12/3 SJEO  | 29 (13.2)        | <b>HBL45123R</b>        | <b>HBL45123R20</b>      |
| Portable duplex outlet box; gray GFCI duplex   | 45 (13.7)      | 12/3 SJEO  | 29 (13.2)        | <b>HBL45123GF15</b>     | <b>HBL45123GF20</b>     |
| HBL2313 20A connector                          | 45 (13.7)      | 12/3 SJEO  | 23 (10.4)        |                         | <b>HBL45123TL20</b>     |
| Pivot Base 340° rotation                       | —              | —          | 5 (2.3)          | <b>HBL340PB</b>         |                         |



HBL45123TL20

### Industrial Lighted Cord Reels, 50 Ft. (15.2m) - 16/3 AWG SJEO Cable

| Cord End                      | Watts (Max) | Amps | Volts AC | Weight Lbs. (kg) | Catalog Number     |
|-------------------------------|-------------|------|----------|------------------|--------------------|
| LED hand lamp, with end light | 4 + 1       | 0.17 | 120      | 21 (9.5)         | <b>HBL50162LED</b> |
| Fluorescent hand lamp         | 13          | 0.3  | 120      | 21 (9.5)         | <b>HBL50162FL</b>  |
| Incandescent hand lamp        | 100         | 0.8  | 125      | 21 (9.5)         | <b>HBL50163IN</b>  |

Note: Supplied with 5 ft. power supply cord with HBL5266C, 15A straight blade plug.



HBL50162LED

### Accessories

| Description                        | Watts (Max) | Amps | Volts AC | Weight Lbs. (kg) | Catalog Number   |
|------------------------------------|-------------|------|----------|------------------|------------------|
| Pivot Base 340° rotation           | —           | —    | —        | 5 (2.3)          | <b>HBL340PB</b>  |
| Replacement stop                   | —           | —    | —        | .2 (.09)         | <b>HBL16BS</b>   |
| Replacement LED hand lamp          | 4 + 1       | 0.17 | 120      | 1 (.5)           | <b>HBL16LEDR</b> |
| Replacement fluorescent hand lamp  | 13          | 0.3  | 120      | 1 (.5)           | <b>HBL16FLR</b>  |
| Replacement incandescent hand lamp | 100         | 0.8  | 125      | 1 (.5)           | <b>HBL16INR</b>  |



HBL340PB

Protecting electrical circuitry on the factory floor helps improve safety and prevents mechanical damage to maintain ongoing operations. Used between disconnect switches and equipment in industrial environments, Hubbell PolyTuff® Non-Metallic Conduit and Fittings provide superior flexibility and outstanding corrosion resistance while offering fast and easy installation. With a range of available conduit sizes, PolyTuff® can easily make tight turns and includes a variety of straight and multi-angle, SwivelLok® Connectors.



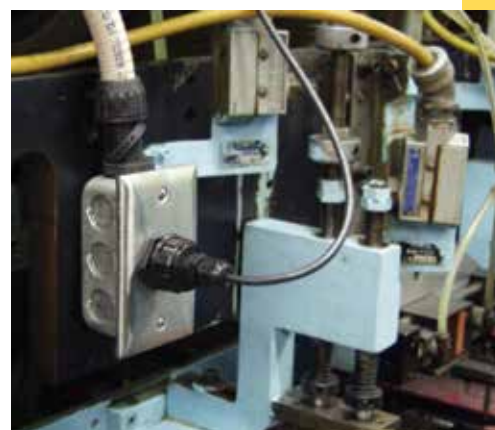
PolyTuff® Non-Metallic Liquidtight Conduit and Tubing



PolyTuff® Non-Metallic Liquidtight Fittings

- All non-metallic construction ends metal fatigue and separation problems
- Cuts cleanly with a knife or PVC cutter so there are no jagged edges
- Available with rigid PVC core PolyTuff® I or flexible corrugated wall PolyTuff® II

- SwivelLok® nylon two-piece swivel body twists 0° to 90°
- Neoprene O-ring ensures liquidtight seal at hub
- Non-integral ferule provides seal and pullout protection



## Ordering Information

### PolyTuff I® Conduit and PolyTuff II® Tubing

| Trade Size (metric designator) | Feet (m)   | PolyTuff I Conduit | PolyTuff II Tubing |
|--------------------------------|------------|--------------------|--------------------|
| ¼ (10)                         | 100 (30.5) | —                  | <b>B2025</b>       |
| ⅜ (12)                         | 100 (30.5) | <b>G1038</b>       | <b>B2038</b>       |
| ½ (16)                         | 100 (30.5) | <b>G1050</b>       | <b>B2050</b>       |
| ¾ (21)                         | 100 (30.5) | <b>G1075</b>       | <b>B2075</b>       |
| 1 (27)                         | 100 (30.5) | <b>G1100</b>       | <b>B2100</b>       |
| 1¼ (35)                        | 100 (30.5) | <b>G1125</b>       | <b>B2125</b>       |
| 1½ (41)                        | 50 (15.2)  | <b>G1150</b>       | <b>B2150</b>       |
| 2 (53)                         | 50 (15.2)  | <b>G1200</b>       | <b>B2200</b>       |

### Fixed 90° Fittings for Non-Metallic Conduit

| Trade Size (metric designator) | Black           | Gray            |
|--------------------------------|-----------------|-----------------|
| ¼ (6)                          | <b>F20259</b>   | —               |
| ⅜ (9)                          | <b>P0389NBK</b> | <b>P0389NGY</b> |
| ½ (13)                         | <b>P0509NBK</b> | <b>P0509NGY</b> |
| ¾ (19)                         | <b>P0759NBK</b> | <b>P0759NGY</b> |
| 1 (25)                         | <b>P1009NBK</b> | <b>P1009NGY</b> |
| 1¼ (32)                        | <b>P1259NBK</b> | <b>P1259NGY</b> |

### Straight with Male Non-Metallic Fittings for Non-Metallic Conduit

| Trade Size (metric designator) | Black           | Gray            |
|--------------------------------|-----------------|-----------------|
| ¼ (6)                          | <b>F2025</b>    | —               |
| ⅜ (9)                          | <b>P038NBKA</b> | <b>P038NGYA</b> |
| ½ (13)                         | <b>P050NBKA</b> | <b>P050NGYA</b> |
| ¾ (19)                         | <b>P075NBKA</b> | <b>P075NGYA</b> |
| 1 (25)                         | <b>P100NBKA</b> | <b>P100NGYA</b> |
| 1¼ (32)                        | <b>P125NBK</b>  | <b>P125NGY</b>  |
| 1½ (38)                        | <b>P150NBK</b>  | <b>P150NGY</b>  |
| 2 (51)                         | <b>P200NBK</b>  | <b>P200NGY</b>  |

### SwivelLok® Flexible Conduit Kit

| Trade Size (metric designator) | Fitting and Conduit Kit | Catalog Number   |
|--------------------------------|-------------------------|------------------|
| ½ (13)                         | (2) PS0509NGY, 6' G1050 | <b>PS05GYKIT</b> |
| ¾ (19)                         | (2) PS0759NGY, 6' G1075 | <b>PS07GYKIT</b> |

### SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

| Trade Size (metric designator) | Black            | Gray             |
|--------------------------------|------------------|------------------|
| ⅜ (9)                          | <b>PS0389NBK</b> | <b>PS0389NGY</b> |
| ½ (13)                         | <b>PS0509NBK</b> | <b>PS0509NGY</b> |
| ¾ (19)                         | <b>PS0759NBK</b> | <b>PS0759NGY</b> |
| 1 (25)                         | <b>PS1009NBK</b> | <b>PS1009NGY</b> |

# HUBBELL® INSTALLATION EFFICIENCY

## Wiring Device Solutions



### Hubbell Application Guides



#### Hubbell Healthcare Application Guide

Healthcare Brochure featuring Hospital Grade Plugs, Connectors, Receptacles and more.



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Education Application Guide to assist education facility managers and engineers in identifying and deploying wiring devices for power, data, voice and multimedia in a variety of education spaces and applications.



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Hubbell has always been focused on safety. That's why Hubbell products are designed and developed to first provide maximum safety against injury and the potential dangers of electricity.



#### Hubbell Data Center Brochure

Data Center Solutions Guide assists data center professionals in identifying, specifying and deploying Hubbell Data Center Solutions to improve space utilization, reduce on-site labor, lower start-up costs and ensure a reliable network cabling infrastructure.



Scan for more information on Hubbell's Product for Installation Efficiency Solutions

### Hubbell Energy Efficiency Solutions



#### Sensors

Reduce energy consumption in a wide variety of commercial, residential and industrial applications with Hubbell lighting controls and sensors.

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#### Power Strips

Hubbell's SpikeShield® Energy Saving Surge Protective Devices (ESPS Series) reduce power consumption by eliminating phantom power draw of unused electronics and appliances.

Hubbell offers a complete offering of power strips in a various levels of outlet configurations and surge protection.



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PEP Stations (EVSEs) are exclusively represented by Hubbell. EVSEs are an ideal fit commercial property electric vehicle charging requirements. Their distinctive styling provides property owners with a design that is complimentary to building architecture and supports a commitment to reducing emissions.

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