CONNECTRAC IN-CARPET WIREWAY

ARCHITECTURAL SOLUTIONS FOR OPEN SPACE POWER AND CONNECTIVITY

Connectrac In-Carpet Wireways offer discrete and elegant power and technology connectivity in open interior spaces of all kinds. They combine an extruded aluminum central wireway flanked by ultra-low sloping floor transition ramps, creating a subtle, powerful and beautiful cable pathway solution for virtually any need. Extremely durable and flexible, Connectrac In-Carpet Wireways comply with the ADA and offer a multitude of power options and telecom capabilities. Connectrac is the best alternative for open space connectivity when aesthetics, flexibility and value are important.

IN-CARPET WIREWAY FEATURES

- Low-profile, durable extruded aluminum wireway
- Moisture-resistant MDF floor transition ramps
- Provides a cable pathway with no core drilling or trenching
- Multitude of power and telecom/AV options
- Pre-wired power components speed installation
- Removable wireway top cap makes changing cables simple
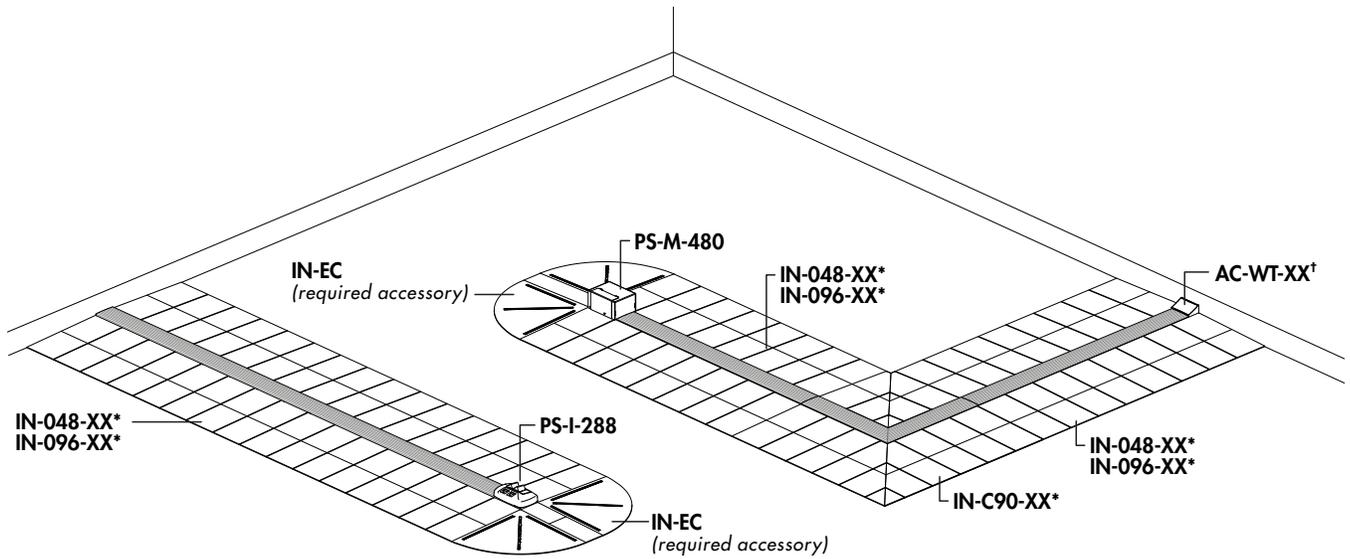- ADA compliant
- Multiple finishes available

ES   AL   GR

IN-CARPET WIREWAY COMPONENTS

PS-M-480

IN-EC
(required accessory)

IN-048-XX*
IN-096-XX*

AC-WT-XX†

IN-048-XX*
IN-096-XX*

PS-I-288

IN-EC
(required accessory)

IN-048-XX*
IN-096-XX*

IN-C90-XX*

BASE SYSTEM COMPONENTS

WIREWAY SEGMENTS AVAILABLE IN:

- 48" and 96" lengths - **field-cut to required length and combined as necessary**
- Top cap available in 3 finishes: Clear Anodized Aluminum (AL), Graphite (GR), Espresso (ES)

EACH SEGMENT INCLUDES:

- Extruded Aluminum Wireway Base Track And Top Cap
- Moisture-Resistant MDF Floor Transition Ramps
- Wire Management Clips
- Concrete Screws And Drill Bit

ALUMINUM TOP CAP

MOISTURE-RESISTANT
FLOOR TRANSITION
RAMPS

CONCRETE SCREWS

WIRE MANAGEMENT
CLIPS

ALUMINUM BOTTOM
TRACK

48" / 96"

.87"

3.7"

15"

15"
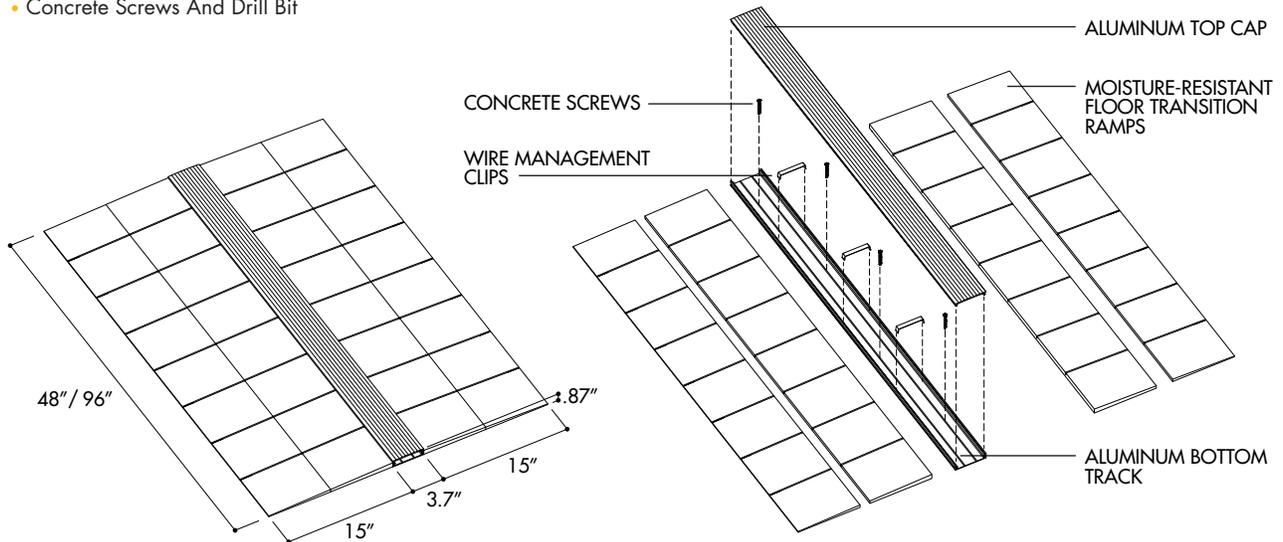
PART NUMBER   DESCRIPTION
IN-048-XX*.................48" Segment: 48" Wireway And Transition Ramps
IN-096-XX*.................96" Segment: 96" Wireway And Transition Ramps

*Top Cap Finishes: Replace "XX" With "AL" (Clear Anodized Aluminum), "GR" (Graphite powder coat), or "ES" (Espresso powder coat)
† Accessory Finishes: Replace "XX" With "BK" (Black) or "SV" (Silver)
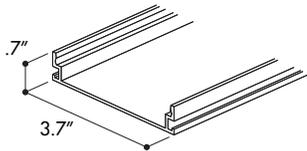
WIREWAY COMPONENTS AND ACCESSORIES

BASE SYSTEM COMPONENTS:

.4″
3.7″
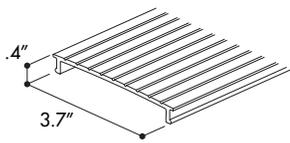
WIREWAY BOTTOM TRACK AND TOP CAP

- Bottom track anchors to slab
- Top cap snaps into bottom track
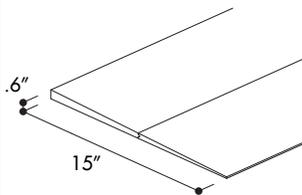- Extruded aluminum
- Available lengths: 48″ / 96″

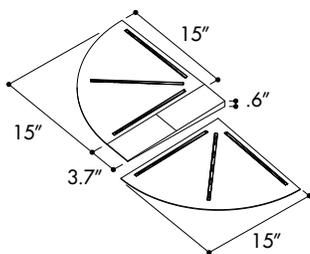**INCLUDED IN EACH WIREWAY SEGMENT**

.7″
3.7″

SIDE TRANSITION RAMPS

- Adheres to slab with construction adhesive
- Moisture-resistant MDF
- Available lengths: 48″ / 96″

INCLUDED IN EACH WIREWAY SEGMENT

.6″
15″

REQUIRED ACCESSORY:
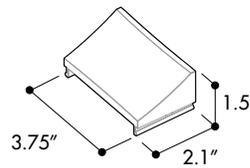
15″
15″
.6″
3.7″
15″

END TRANSITION RAMPS

- Moisture-resistant MDF and molded ABS plastic
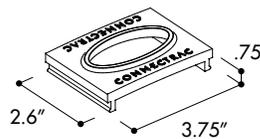
PN: IN-EC

OPTIONAL ACCESSORIES:

TRANSITION ADAPTER

- Used to transition cabling at beginning or end of wireway
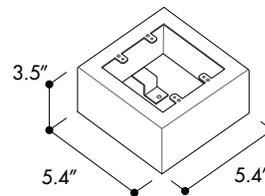- Snaps into wireway bottom track

PN: AC-WT-BK (BLACK)
PN: AC-WT-SV (SILVER)

3.75″
1.5″
2.1″

GROMMET

- Allows cabling to enter / exit wireway
- Snaps into wireway bottom track

PN: AC-GR-BK (BLACK)
PN: AC-GR-SV (SILVER)

.75″
2.6″
3.75″

COMMUNICATION BOX

- Steel low-voltage enclosure
- Accepts any standard double-gang faceplate
- 3″ available depth
- Same profile as AV Duplex (page 5)

PN: IN-COM

3.5″
5.4″
5.4″
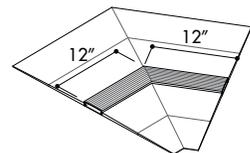
45˚ CORNER KIT*

- Pre-cut wireway components
- Adds 24″ to existing system

PN: IN-C45-XX*

12″
12″
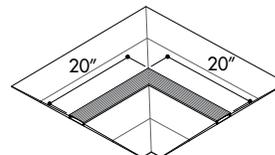
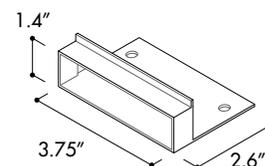### 90˚ CORNER KIT*

- Pre-cut wireway components
- Adds 40″ to existing system

PN: IN-C90-XX*

20″
20″

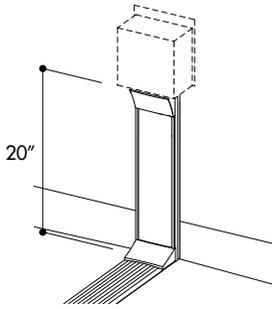### ROUGH-IN BOX

- Optional component used in new wall construction to transition cabling from wall cavity into wireway

PN: AC-RIB-1

1.4″
3.75″
2.6″

*Top Cap Finishes: Replace "XX" With "AL" (Clear Anodized Aluminum), "GR" (Graphite powder coat), or "ES" (Espresso powder coat)
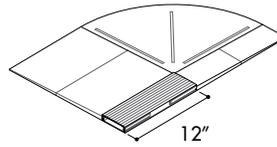
WIREWAY ACCESSORIES

20" WALL CHANNEL

- Vertical wireway, surface-mounts to wall to provide path from Connectrac system at floor to surface-mounted junction box
- 20" long, can be trimmed to fit
- Junction box by others
  Note: Should be minimum 2.125" Deep
- Includes (2) AC-WT-SV and (1) AC-GR-BK

  PN: AC-WC-020-AL

20"

SIDE ENTRY KIT*

- Allows cabling to enter side of wireway instead of end
- Adds 12" to existing system

  PN: IN-SE-1-XX*

12"
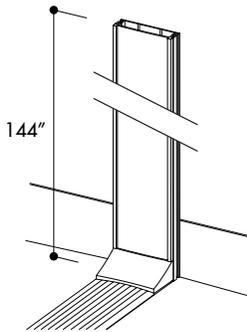
144" WALL CHANNEL

- Vertical wireway, surface-mounts to wall to provide path from Connectrac system at floor to ceiling above
- 12' / 144" Length
- Includes (1) AC-WT-SV accessory

  PN: AC-WC-144-AL

144"
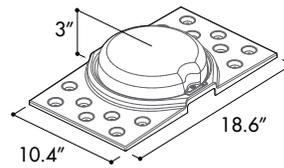
DOME COVER KIT

- Used to transition cabling to Connectrac system from poke-through device
- Integrates with standard side transition ramps

  PN: IN-DM

3"

10.4"

18.6"

*Top Cap Finishes: Replace "XX" With "AL" (Clear Anodized Aluminum), "GR" (Graphite powder coat), or "ES" (Espresso powder coat)

SINGLE DEVICE POWER OPTIONS

1.1"
4.5"
7"
1.6"
3.1"
4.75"
VARIES

DUPLEX (I SERIES)

INCLUDES:
- Single 3-wire, 1-circuit NEMA 5-20R duplex receptacle
- Attached pre-wired galvanized steel flex conduit; 3-wire / 1-circuit with 1/2" knockout fitting (length options below)
- Black ABS plastic cover w/2 mounting screws
- Modular data opening (see page 7)

PART NUMBER   **DESCRIPTION**
PS-I-096 .... 20Amp duplex receptacle; 96" Infeed
PS-I-288 .... 20Amp duplex receptacle; 288" Infeed
PS-I-480 .... 20Amp duplex receptacle; 480" Infeed

5.4"
3.5"
7.25"
VARIES

AV DUPLEX
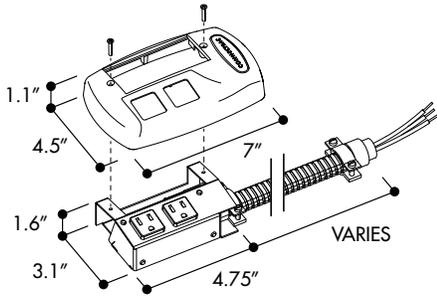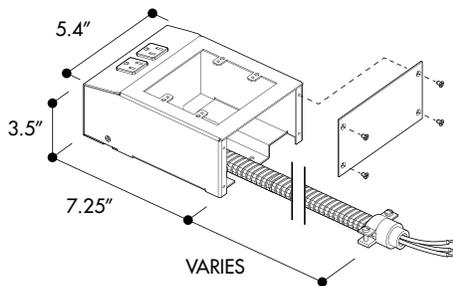
INCLUDES:
- Steel enclosure with access cover
- Single 3-wire, 1-circuit NEMA 5-20R duplex receptacle
- Attached pre-wired galvanized steel flex conduit; 3-wire / 1-circuit with1/2" knockout fitting (length options below)
- Standard double gang telecom opening; 3" depth for installing AV plates/devices

PART NUMBER   **DESCRIPTION**
PS-A-IN-144 .... 20Amp duplex receptacle; 144" Infeed
PS-A-IN-288 .... 20Amp duplex receptacle; 288" Infeed
PS-A-IN-480 .... 20Amp duplex receptacle; 480" Infeed

3"
.75"
3.1"
4.75"
6"
.75"
3.1"
3.1"
VARIES
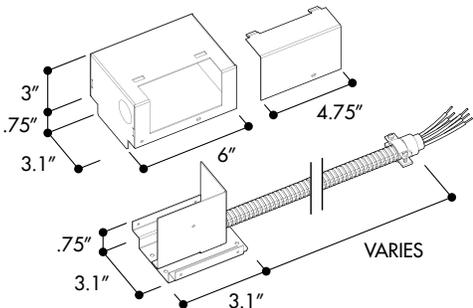
4-CIRCUIT MONUMENT (M SERIES)

INCLUDES:
- Single 36.5 cubic inch steel electrical housing for hardwire connection, black powder coat
- Attached pre-wired galvanized steel flex conduit; 8-wire / 4-circuit with 1/2" knockout fitting (length options below)
- Pass-thru opening for telecom cabling
- Refer to page 9 for wiring diagram options

PART NUMBER   **DESCRIPTION**
PS-M-288 .... 8-wire, 4-circuit box for furniture hardwire; 288" infeed
PS-M-480 .... 8-wire, 4-circuit box for furniture hardwire; 480" infeed

NOTE: SEE MORE POWER OPTIONS ON NEXT PAGE

MODULAR POWER OPTIONS (U SERIES)

6" INCREMENTS
PM-RECM-QD-XXXX
PM-MODC-XXX
PM-RECM-DP-X
PM-JUMP-XXX
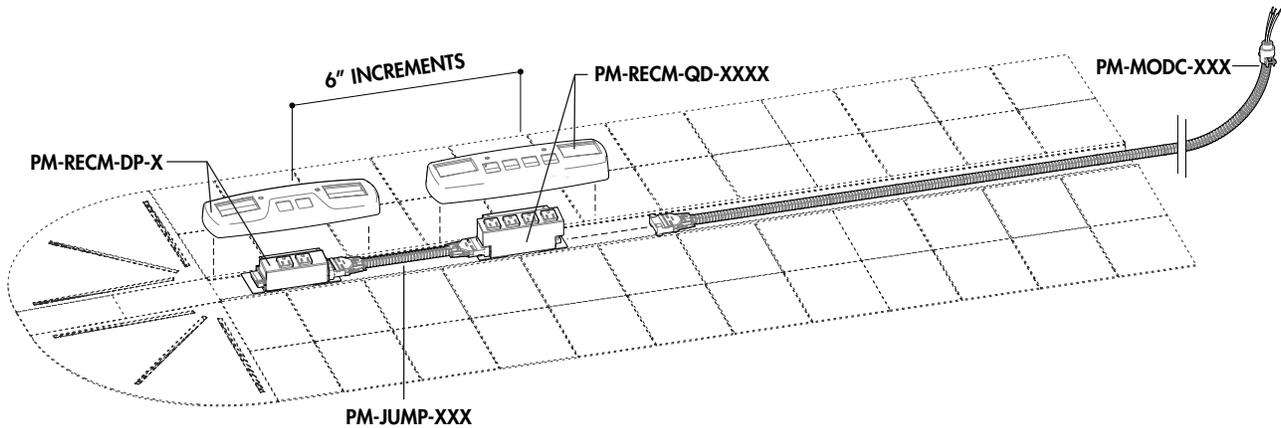
MODULAR POWER SYSTEMS

- 20Amp NEMA 5-20R duplex or quad receptacles; includes black ABS plastic cover, mounting screws, and two modular data openings (refer to page 8).
- Modular connections: multiple receptacle units can be connected using modular jumper and power infeed cables
- Receptacle devices are keyed to individual circuits.

PM-RECM-DP-X:

13.3"
1.5"
4.4"
2"
3.1"
7"

PM-RECM-QD-XXXX:

13.6"
2"
4.4"
2.6"
3.1"
7"

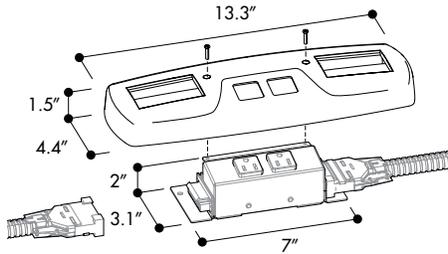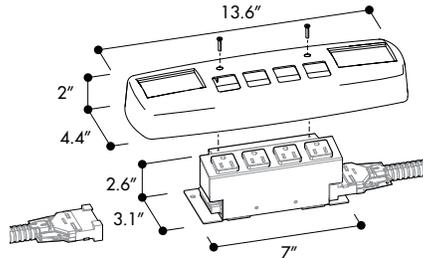| PART NUMBER	DESCRIPTION
PM-MODC-144	8-Wire Modular Power Infeed, 144" Length
PM-MODC-288	8-Wire Modular Power Infeed, 288" Length
PM-MODC-480	8-Wire Modular Power Infeed, 480" Length
PM-RECM-DP-1	Duplex Receptacle; Both Outlets Ckt 1
PM-RECM-DP-2	Duplex Receptacle; Both Outlets Ckt 2
PM-RECM-DP-3	Duplex Receptacle; Both Outlets Ckt 3
PM-RECM-DP-4	Duplex Receptacle; Both Outlets Ckt 4
PM-RECM-QD-1111	Quad Receptacle; Four Outlets Ckt 1
PM-RECM-QD-2222	Quad Receptacle; Four Outlets Ckt 2
PM-RECM-QD-3333	Quad Receptacle; Four Outlets Ckt 3
PM-RECM-QD-4444	Quad Receptacle; Four Outlets Ckt 4
PM-RECM-QD-1122	Quad Receptacle; Two Outlets Ckt 1, Two Outlets Ckt 2
PM-RECM-QD-3344	Quad Receptacle; Two Outlets Ckt 3, Two Outlets Ckt 4
PM-JUMP-024	Modular Jumper Cable for 24" On-Center Devices
PM-JUMP-030	Modular Jumper Cable for 30" On-Center Devices
PM-JUMP-036	Modular Jumper Cable for 36" On-Center Devices
PM-JUMP-042	Modular Jumper Cable for 42" On-Center Devices
PM-JUMP-048	Modular Jumper Cable for 48" On-Center Devices
PM-JUMP-054	Modular Jumper Cable for 54" On-Center Devices
PM-JUMP-060	Modular Jumper Cable for 60" On-Center Devices
PM-JUMP-066	Modular Jumper Cable for 66" On-Center Devices
PM-JUMP-072	Modular Jumper Cable for 72" On-Center Devices
PM-JUMP-084	Modular Jumper Cable for 84" On-Center Devices
PM-JUMP-096	Modular Jumper Cable for 96" On-Center Devices

TELECOM-SINGLE DUPLEX

STANDARD TELECOM KIT

The single duplex device incorporates a four-unit modular telecom opening. Each device comes with two angled TC-UM03-BK modules from Hubbell that accomodate up to four keystone-sized connectors. These modules also accomodate keystone-sized connectors from a variety of other manufacturers.

INCLUDED MODULES:

- (2) **TC-UM03-BK** 1.5 unit 1-port angled modules
- (1) **TC-BM01-BK** .5 unit blank module
- (4) **TC-BM02-BK** 1.0 unit blank module

These modules are included with each single duplex

4-UNIT TELECOM OPENING
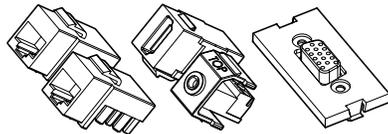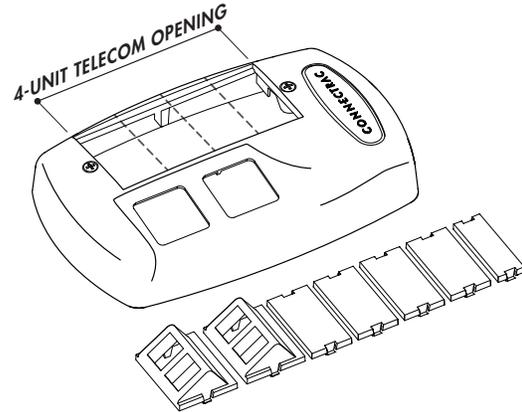
OPTIONAL AUDIO/VISUAL KIT

INCLUDES:

- (2) **TC-KS01-BK** Cat6 data jacks
- (1) **TC-KS08-BK** HDMI keystone pass-thru
- (1) **TC-OC03-BK** VGA gender changer
    – Includes TC-UM02-BK unloaded module
    – Includes 18" slimline VGA patch cable
- (1) **TC-KS10-BK** 3.5mm audio screw termination jack

PN: TKIT-AV1

OPTIONAL VOICE/DATA KIT

INCLUDES:

- (4) **TC-KS01-BK** Cat6 voice/data jacks

PN: TKIT-VD1

NOTE: Both optional telecom kits utilize the (2) TC-UM03-BK modules included with each receptacle cover
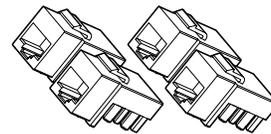
UNLOADED MODULES

PART NUMBER	DESCRIPTION
TC-UM01-BK	1.5 Unit Angled For VGA (TC-OC03)
TC-UM03-BK	1.5 Unit Angled For (2) Keystone Connectors
TC-UM05-BK	1.0 Unit Flat For (1) Keystone

KEYSTONE CONNECTORS

PART NUMBER	DESCRIPTION
TC-KS01-BK	CAT 6 Snap Fit Jack
TC-KS06-BL	USB Snap Fit Pass-Thru F/F Coupler, USB 2.0 A to A
TC-KS08-BK	HDMI Snap Fit Pass-Thru F/F Coupler
TC-KS09-BK	F-Connector Snap Fit Pass-Thru F/F Coupler
TC-KS10-BK	3.5MM Audio Snap Fit, Screw Termination

OTHER CONNECTORS

PART NUMBER	DESCRIPTION
TC-OC03	VGA Gender Changer, 15-PIN F/F

TELECOM-MODULAR POWER

STANDARD TELECOM KIT

Modular receptacle devices (duplex and quad) each incorporate 2 three-unit modular telecom openings. Each device comes with two TC-UM04-BK modules from Hubbell that accomodate up to four keystone-sized connectors. These modules also accomodate keystone-sized connectors from a variety of other manufacturers.

INCLUDED MODULES:

- (2) **TC-UM04-BK** 1.0 unit 2-port flat modules
- (6) **TC-BM02-BK** 1.0 unit blank module
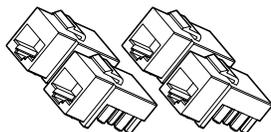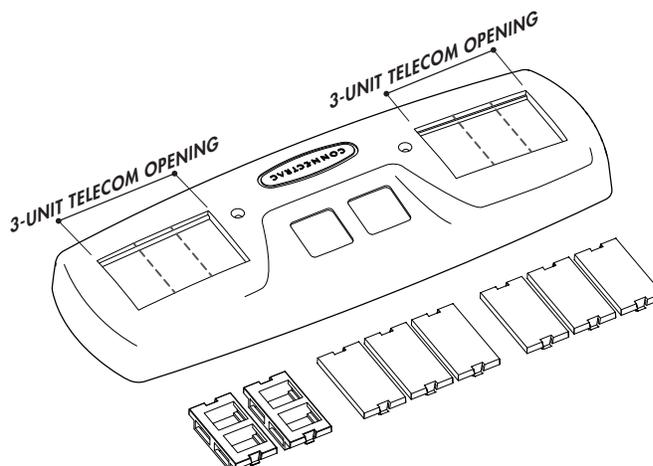
***These modules are included with each duplex
and quad modular receptacle***

3-UNIT TELECOM OPENING

3-UNIT TELECOM OPENING

OPTIONAL VOICE/DATA KIT

INCLUDES:

- (4) **TC-KS01-BK** Cat6 voice/data jacks

PN: TKIT-VD1

NOTE: The optional telecom kit utilizes the (2) TC-UM04-BK modules included with each receptacle cover

UNLOADED MODULES

PART NUMBER	DESCRIPTION
TC-UM01-BK	1.5 Unit Angled For VGA
TC-UM03-BK	1.5 Unit Angled For (2) Keystone Connectors
TC-UM04-BK	1.0 Unit Flat For (2) Keystone Connectors
TC-UM05-BK	1.0 Unit Flat For (1) Keystone Connector

KEYSTONE CONNECTORS

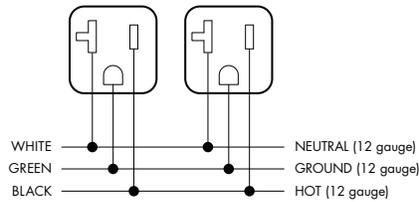| PART NUMBER	DESCRIPTION
TC-KS01-BK	CAT 6 Snap Fit Jack
TC-KS06-BL	USB Snap Fit Pass-Thru F/F Coupler, USB 2.0 A to A
TC-KS08-BK	HDMI Snap Fit Pass-Thru F/F Coupler
TC-KS09-BK	F-Connector Snap Fit Pass-Thru F/F Coupler
TC-KS10-BK	3.5MM Audio Snap Fit, Screw Termination

OTHER CONNECTORS

PART NUMBER	DESCRIPTION
TC-OC03	VGA Gender Changer, 15-PIN F/F

WIRING DIAGRAMS

SINGLE DUPLEX RECEPTACLE SYSTEMS
PS-1-XXX, PS-A-IN-XXX

WHITE — NEUTRAL (12 gauge)
GREEN — GROUND (12 gauge)
BLACK — HOT (12 gauge)

MODULAR RECEPTACLE SYSTEMS
PM-RECM-DP-X, PM-RECM-QD-XXXX

CIRCUIT ONE | CIRCUIT TWO | CIRCUIT THREE | CIRCUIT FOUR (ISOLATED)

NEUTRAL 2	GRAY	12 GAUGE
NEUTRAL 1	WHITE	10 GAUGE
ISO GROUND	GRN-YEL	12 GAUGE
GROUND	GREEN	12 GAUGE
HOT 4	PINK	12 GAUGE
HOT 3	BLUE	12 GAUGE
HOT 2	RED	12 GAUGE
HOT 1	BLACK	12 GAUGE
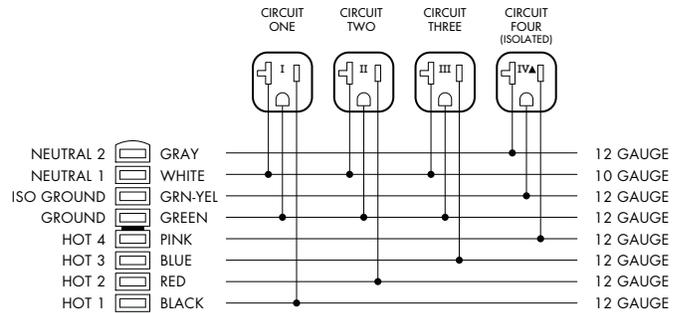
4-CIRCUIT CONNECTION MONUMENT
PM-M-XXX

3+1 WIRING OPTION:

CIRCUIT ONE | CIRCUIT TWO | CIRCUIT THREE | CIRCUIT FOUR (ISOLATED)

NEUTRAL 2	GRAY	12 GAUGE
NEUTRAL 1	WHITE	10 GAUGE
ISO GROUND	GRN-YEL	12 GAUGE
GROUND	GREEN	12 GAUGE
HOT 4	PINK	12 GAUGE
HOT 3	BLUE	12 GAUGE
HOT 2	RED	12 GAUGE
HOT 1	BLACK	12 GAUGE

2+2 WIRING OPTION:

CIRCUIT ONE | CIRCUIT TWO | CIRCUIT THREE | CIRCUIT FOUR

NEUTRAL 2	GRAY	12 GAUGE
NEUTRAL 1	WHITE	10 GAUGE
ISO GROUND	GRN-YEL	12 GAUGE
GROUND	GREEN	12 GAUGE
HOT 4	PINK	12 GAUGE
HOT 3	BLUE	12 GAUGE
HOT 2	RED	12 GAUGE
HOT 1	BLACK	12 GAUGE

NOTE: The 4-circuit connection monument can utilize either of the above wiring schemes

CABLE FILL CAPACITY

INSIDE DIMENSIONS:
3.1" x .6"

Voice / Data / AV cabling can be placed alongside power in the wireway channel. Shielding for the low voltage cabling is provided by Connectrac's special steel flex conduit.

STANDARD FILL CAPACITIES:	Cat 5e	Cat 6	Cat 6a
Cable OD (varies by manufacturer)	.21"	.25"	.354"
Cable cross sectional area	.035"	.035"	.035"
Max cables in wireway with power conduit	25	18	*

* The number of Cat 6A cables must be determined by the communications system designer due to the special installation requirements of Cat 6A cables.

CONNECTRAC LIMITED WARRANTY

Strong Products Group, Ltd. d/b/a Connectrac ("Connectrac") hereby warrants, to the original purchaser or owner (collectively, "Buyer"), that any product manufactured and sold by Connectrac will be substantially free from unreasonable and significant defects in material, construction, and workmanship under normal use, service, and only for their original purpose, for a period of five (5) years from the date of original installation or six (6) years from the date of purchase, whichever is sooner. Standard commercial tolerances apply. This Limited Warranty ("Statement") applies only to products, which have been underlined installed properly in accordance with Installation Instructions supplied by Connectrac and any applicable codes and standards.

This Statement is void if any Connectrac products have been modified, repaired, altered, tampered, mixed with, or intermixed (used within a system) with products or materials in a manner not approved by Connectrac. This Statement does not cover Connectrac products subjected to accidents, improper use, improper maintenance, improper cleaning, negligence, misuse, or abuse. This Statement is void if damage results from the use of detergents, cleaners, abrasives, or other harsh chemical agents not authorized or sanctioned by Connectrac. Connectrac is in no way liable or responsible for any damage to Connectrac products that would void this Statement.

When you contact Connectrac, please provide reasonable proof of the date of your purchase of the Connectrac product at issue. It may be necessary for Connectrac to arrange an inspection of your product to determine whether or not a defect exists. Connectrac's sole obligation (and the sole exclusive remedy of the Buyer) with respect to any products that are proven to be defective, will, at the sole discretion of Connectrac, be the repair or replacement of the defective products or refund of the purchase price of the defective products. Returned products will not be accepted unless Connectrac is notified and authorizes the return, in writing, prior to shipment.

Certain products of Connectrac may have a specific limited warranty or limitation of liability included that differs from this Statement. The terms of any such specific limited warranty or limitation of liability supersede those set forth in this Statement.

Connectrac's products are listed by Underwriters Laboratories, Inc. and the Canadian Standards Association. Buyer agrees to exercise reasonable care in the installation and use of Connectrac products. Buyer acknowledges that Connectrac products may be dangerous and agrees to release Connectrac from any liability for injury or damage in connection therewith. Buyer further agrees to defend, indemnify, and hold harmless Connectrac from and against any and all third-party claims and liabilities (including, without limitation, reasonable attorneys' fees and costs), regardless of the form of action, arising out of or in connection with the installation and use of Connectrac products, provided that Buyer is notified promptly in writing of the action, Connectrac has not reached any compromise or settlement of such action or made any admissions in respect of the same, and Buyer is given the option, at its expense, to control the action and all requested reasonable assistance, including indemnification from any third party, to defend the same.