

Capture Four-Way Connectors with Top Cap

Four-Way Connectors connect four Capture Frames at two 90° angles. The kit includes connectors for the internal connection between the four Frames, corner light block, corner top cap and corner top cap alignment clips.

Note: Connection can be made between equal or unequal height frames or Stacker/Base Frame combinations. For an unequal height connections, order the Four-Way Connector kit to match the height

of the lower Frame. Unequal height connections requires a Change of Height Cover to cover the exposed side of the taller Frame or Stacker Frame.

Note: A single Four-Way Connector kit can be used to connect a configuration of up to 98". Select the Four-Way Connector kit in the height that matches the total height of the base frame/stacker/glass stacker combination.

Note: The height difference between adjacent frames can be no greater than 24" (610).

Capture Four-Way Stacker Connectors

Stacker Frame Four Way Stacker Connectors connect a Capture Stacker or Glass Stacker Frame at a four-way corner to another Stacker, Glass Stacker or Base Frame. It includes connectors for the internal connection between the four frames, corner light block, corner top cap and corner top cap alignment clips.

Available in Black only.



Capture Four-Way Connectors with Top Cap

Dimensions Height	List Price	Catalog Number	Trim Color
34" (864)	\$ 119	CFWC34	Standard Finishes No Cost
42" (1067)	127	CFWC42	
50" (1270)	162	CFWC50	
58" (1473)	168	CFWC58	
66" (1676)	176	CFWC66	Premium Finishes +\$6
74" (1880)	212	CFWC74	
82" (2083)	226	CFWC82	
90" (2286)	239	CFWC90	
98" (2489)	254	CFWC98	See Surface Material Page 9
Build your complete Part Number here:		-----	-



Capture Four-Way Stacker Connectors

Dimensions Height	List Price	Catalog Number
8" (203)	\$ 55	CSTKFWC8
16" (406)	62	CSTKFWC16
24" (610)	70	CSTKFWC24
Build your complete Part Number here:		-----

Sample Part Number:

CFWC34	.Y
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Total Cost \$119 =

\$119	+	N/C
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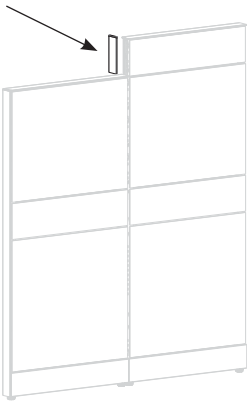
Capture Change of Height Cover

Change of Height Covers finish the open end of a Stacker, Glass Stacker or Base frame in panel change of height configurations.

Capture End of Run Cover

End of Run Covers finish the open vertical end of a Base Frame.

Note: A single End of Run Cover can be used in configurations of up to 98". Select the End of Run Cover in the height that matches the total height of the base frame/stacker/glass stacker combination.



Capture Change of Height Cover

Dimensions Height	List Price	Catalog Number	Trim Color
8" (203)	\$ 48	CCHC8	Standard Finishes No Cost
16" (406)	55	CCHC16	
24" (610)	62	CCHC24	
Premium Finishes +\$6			
Build your complete Part Number here:		_____	



Capture End of Run Cover

Dimensions Height	List Price	Catalog Number	Trim Color
34" (864)	\$ 70	CFEC34	Standard Finishes No Cost
42" (1067)	76	CFEC42	
50" (1270)	80	CFEC50	
58" (1473)	87	CFEC58	Premium Finishes +\$6
66" (1676)	92	CFEC66	
74" (1880)	99	CFEC74	
82" (2083)	104	CFEC82	
90" (2286)	108	CFEC90	
98" (2489)	114	CFEC98	
Build your complete Part Number here:		_____	-

Sample
Part Number:

CCHC8

.G
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Total Cost \$48 =

\$48

+

N/C

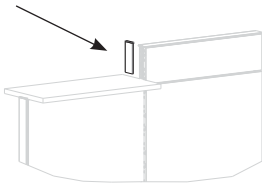
Capture Counter Top Change of Height Cover

Counter Top Change of Height Covers finish the open end of a Stackers, Glass Stackers or Base frame in panel change of height configurations when a Counter Top is placed on the lower height panel.

Capture Adjustable Wall Starter Rail

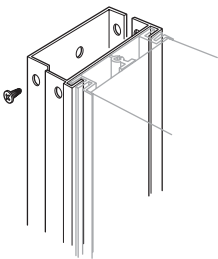
Capture Adjustable Wall Starter Rails attach a Full Frame to a structural wall. The Starter Rail has a 1/2" adjustment to compensate for uneven walls. Starter Rail includes mounting hardware. Available in systems trim colors.

Note: It is the responsibility of the dealer or installer to obtain the correct type of fastener for specific, existing wall conditions.



Capture Counter Top Change of Height Cover

Dimensions			
Height	List Price	Catalog Number	Trim Color
8" (203)	\$ 48	CCTFEC8	Standard Finishes No Cost Premium Finishes +\$6
16" (406)	55	CCTFEC16	
24" (610)	62	CCTFEC24	
Build your complete Part Number here:		_____	_____



Capture Adjustable Wall Starter Rails

Depth	Width	Fits Base Frame Height	List Price	Catalog Number	Trim Color
1 1/4" (32)	2 5/8" (67)	8" (203)	\$ 106	CAWSR8	Standard Finishes No Cost
1 1/4" (32)	2 5/8" (67)	16" (406)	140	CAWSR16	
1 1/4" (32)	2 5/8" (67)	24" (610)	160	CAWSR24	
1 1/4" (32)	2 5/8" (67)	34" (864)	194	CAWSR34	Premium Finishes +\$20
1 1/4" (32)	2 5/8" (67)	42" (1067)	197	CAWSR42	
1 1/4" (32)	2 5/8" (67)	50" (1270)	200	CAWSR50	
1 1/4" (32)	2 5/8" (67)	58" (1473)	202	CAWSR58	
1 1/4" (32)	2 5/8" (67)	66" (1676)	204	CAWSR66	
1 1/4" (32)	2 5/8" (67)	74" (1880)	222	CAWSR74	
1 1/4" (32)	2 5/8" (67)	82" (2083)	234	CAWSR82	
1 1/4" (32)	2 5/8" (67)	90" (2286)	255	CAWSR90	
1 1/4" (32)	2 5/8" (67)	98" (2489)	276	CAWSR98	
Build your complete Part Number here:				-----	-

Sample Part Number:

CCTFEC8	.G
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Total Cost \$48 =

\$48	+	N/C
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Capture Inline Change of Height Post

Inline Change of Height Posts are used in Three and Four-Way change of height conditions where two of the Base Frames or Base/Stacker/Glass Stacker combinations in a straight line condition are of equal height. Inline Posts fill in opening between the straight line panels created by lower height panels at 90° angles.

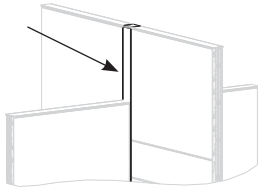
Inline Change of Height Posts include a painted aluminum extrusion, top cap and post change of height cap.

Capture Multiple Change of Height Post

Multiple Change of Height Posts are used in three and Four-Way change of height conditions where only one panel is at the highest elevation. Post height is determined from the difference between tallest and shortest panel in

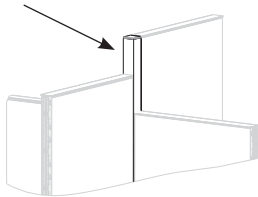
the three or Four-Way corner condition. Multiple Change of Height Posts attach to the tallest panel only.

Note: The tallest panel in the condition can not be a Glass Stacker Frame.



Capture Inline Change of Height Post

Dimensions Height	List Price	Catalog Number	Trim Color
8" (203) 16" (406) 24" (610)	\$ 64 76 88	CSTKILP8 CSTKILP16 CSTKILP24	Standard Finishes No Cost Premium Finishes +\$6
Build your complete Part Number here:		-----	-



Capture Multiple Change of Height Post

Dimensions Height	List Price	Catalog Number	Trim Color
8" (203) 16" (406) 24" (610)	\$ 54 62 88	CMCHP8 CMCHP16 CMCHP24	Standard Finishes No Cost Premium Finishes +\$6
Build your complete Part Number here:		-----	-

Sample
Part Number:

CSTKILP8

.G
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Total Cost \$64 =

\$64

+

N/C

Capture Inline Panel to Panel Connection
Inline Panel to Panel Connection is used to connect Base Frames or Frame Base/Stacker combinations in straight line conditions.

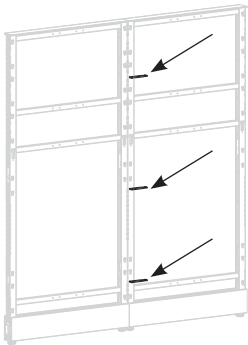
Capture Stacker Inline Connection Bracket
Stacker Inline Connection Bracket is used to connect Capture Stacker

Frames to adjacent Base Frames or Stacker Frame in straight line conditions.

Capture Frame Vertical Light Block
Vertical Light Block is a black vinyl tape with single-side adhesive. It easily applies to the vertical reveal between tiles to provide maximum visual privacy. Light Block comes in 100' (30 meter) rolls and is available for field installation only.

Light Block is most easily applied before Tile installation but can be added either before or after. If added after tile installation, it is recommended that a hinge tool be used to ensure proper application.

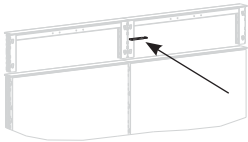
Available in black only.



Capture Inline Panel to Panel Connection

Total Bracket Support	Frame Height	List Price	Catalog Number
2	34" (864)	\$ 44	CILC34
2	42" (1067)	44	CILC42
3	50" (1270)	60	CILC50
3	58" (1473)	60	CILC58
3	66" (1676)	60	CILC66
4	74" (1880)	76	CILC74
4	82" (2083)	76	CILC82
4	90" (2286)	76	CILC90
4	98" (2489)	76	CILC98

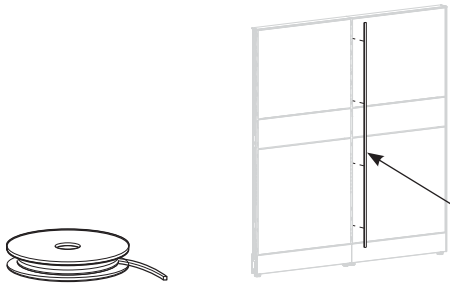
Build your complete Part Number here:



Capture Stacker Inline Connection Bracket

	List Price	Catalog Number
	\$ 29	CSTKILB

Build your complete Part Number here:



Capture Vertical Light Block

	List Price	Catalog Number
Note: Available in 100 lineal feet (30 meters) length, boxed.	\$ 254	CPVLB

Build your complete Part Number here:

Sample Part Number:

CILC34

Total Cost \$44 =

\$44

Capture 120 Degree Full Frame Corner Covers

120 Degree Corner Covers connect two Capture Systems frames at a 120° angle. The aluminum corner cover also includes corner light block, corner top cap, corner top cap alignment clips and brackets for the internal connection between the two Frames.

Note: Connection can be made between equal or unequal height frames or Stacker/Base combinations. For an unequal height connection, order the Corner Cover to match the height of the lower frame. Unequal height connections require a Change of Height

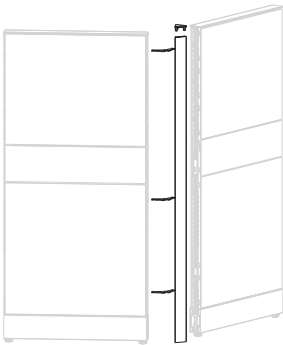
Cover to cover the exposed side of the taller Frame or Stacker Frame.

Note: A single Corner Cover can be used to connect a configuration of up to 98". Select the Corner Cover in the height that matches the total height of a base frame /stacker/ glass stacker combination.

Note: The height difference between adjacent Frames can be no greater than 24" (610).

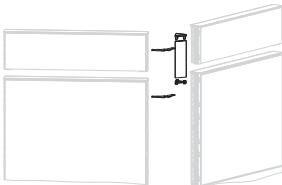
Capture 120 Degree Stacker Frame Corner Covers

120 Degree Stacker Frame Corner Covers connect a Capture Stacker Frame or Glass Stacker Frame at a 120° angle to another Stacker, Glass Stacker or Base Frame. The aluminum corner cover also includes corner light block, corner top cap, corner top cap alignment clips and brackets for the internal connection between the two Frames.



Capture 120 Degree Full Frame Corner Covers

Dimensions Height	List Price	Catalog Number	Trim Color
34" (864)	\$ 139	C120CC34	Standard Finishes No Cost
42" (1067)	153	C120CC42	
50" (1270)	168	C120CC50	Premium Finishes +\$20
58" (1473)	185	C120CC58	
66" (1676)	201	C120CC66	
74" (1880)	216	C120CC74	
82" (2083)	233	C120CC82	
90" (2286)	250	C120CC90	
98" (2489)	265	C120CC98	



Capture 120 Degree Stacker Frame Corner Covers

Dimensions Height	List Price	Catalog Number	Trim Color
8" (203)	\$ 53	C120STKCC8	Standard Finishes No Cost
16" (406)	58	C120STKCC16	
24" (610)	66	C120STKCC24	Premium Finishes +\$6
Build your complete Part Number here:		-----	-

Sample
Part Number:

C120CC34.G

Total Cost \$139 =

\$139+N/C

Capture 120 Degree Full Three Way Connectors w/ Top Cap

120 Degree Three Way Connectors connect three Capture Frames at three 120° angles. The kit includes brackets for the internal connection between the three Frames, corner light block, corner cap and corner top cap alignment clips.

Note: Connection can be made between equal or unequal height Frames or Stacker/Base Frame combinations. For an unequal height connection, order the Three Way Connector kit to match the height of the lower Frame. Unequal height connections require a Change of Height Cover to cover the exposed side of the taller Frame or Stacker Frame.

Note: A single Three Way Connector kit can be used to connect a configuration of up to 98". Select the

Three Way Connector kit in the height that matches the total height of a Base Frame /Stacker/Glass Stacker combination.

Note: The height difference between adjacent Frames can be no greater than 24" (610).

Capture 120 Degree Stacker Frame Three Way Connectors

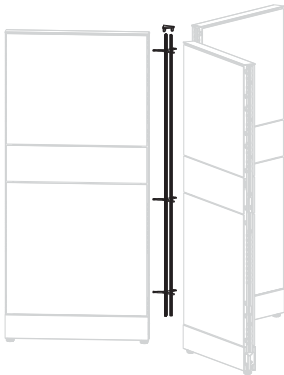
120 Degree Stacker Three Way Connectors connect a Capture Stacker or Glass Stacker Frame at a three-way corner to another Stacker, Glass Stacker or Base Frame. The kit includes connectors for the internal connection between the three Frames and corner light block.

Capture 120 Degree Multiple Change of Height Post

120 Degree Multiple Change of Height Post is used in three way change of height corner conditions where only

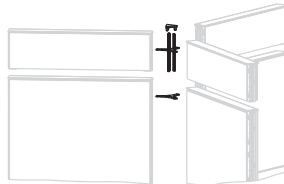
1 panel is at the highest elevation. Post height is determined from difference between tallest and shortest panel in the three or four way corner condition. The Multiple Change of Height Post attaches to the tallest panel only.

Note: The tallest panel in the condition cannot be a Glass Stacker Frame.



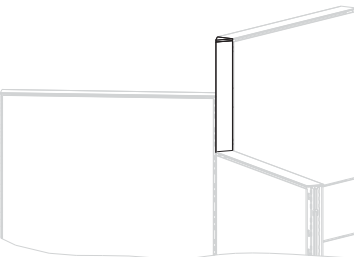
Capture 120 Degree Full Three Way Connectors w/Top Cap

Dimensions Height	List Price	Catalog Number	Trim Color
34" (864)	\$ 113	C120TWC34	Standard Finishes No Cost
42" (1067)	120	C120TWC42	
50" (1270)	154	C120TWC50	
58" (1473)	160	C120TWC58	
66" (1676)	167	C120TWC66	Premium Finishes +\$6
74" (1880)	201	C120TWC74	
82" (2083)	214	C120TWC82	
90" (2286)	228	C120TWC90	
98" (2489)	241	C120TWC98	



Capture 120 Degree Stacker Frame Three Way Connector

Dimensions Height	List Price	Catalog Number	
8" (203)	\$ 53	C120STKTW8	
16" (406)	58	C120STKTW16	
24" (610)	66	C120STKTW24	



Capture 120 Degree Multiple Change of Height Post

Dimensions Height	List Price	Catalog Number	Trim Color
8" (203)	\$ 60	C120MCHP8	Standard Finishes No Cost
16" (406)	71	C120MCHP16	
24" (610)	83	C120MCHP24	Premium Finishes +\$6
Build your complete Part Number here:		_____	__

Sample
Part Number:

C120TWC34	.G
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Total Cost \$113 =

\$113	+	N/C
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Capture Glass Stacker Connection Brackets are included with the original product order for the Glass Stacker Frame. In cases of subsequent reconfigurations where the original Brackets were discarded or where glass is introduced, these Brackets can be ordered separately.

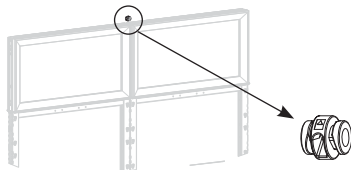
Capture Glass Stacker Inline Connection Bracket
Glass Stacker Inline Connection Bracket is used to connect Capture Glass Stacker Frames to adjacent Base, Stacker or Glass Stacker Frame in straight line conditions.

Capture Glass Stacker Corner Connection Bracket
Glass Stacker Corner Connection Bracket is used to connect Capture

Stacker or Glass Stacker Frames to adjacent Base, Stacker or Glass Stacker Frames at a 90° angle.

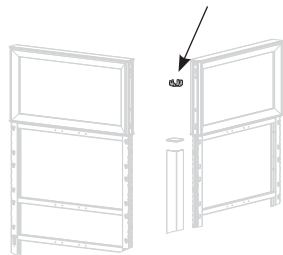
Capture Glass Stacker Three-Way Connection Bracket
Glass Stacker Three-Way Connection Bracket connects a Capture Glass Stacker at a three-way corner condition to a Stacker, Glass Stacker or Base Frame.

Capture Glass Stacker Four-Way Connection Bracket
Glass Stacker Four-Way Connection Bracket connects a Capture Glass Stacker at a four-way corner condition to a Stacker, Glass Stacker or Base Frame.



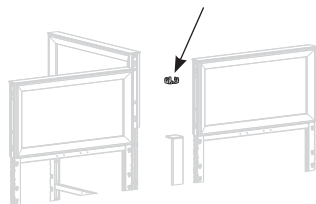
Capture Glass Stacker Inline Connection Bracket

	List Price	Catalog Number
	\$ 32	CSTKILBG



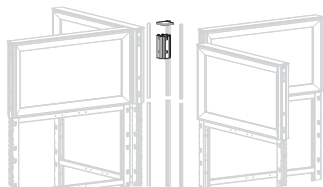
Capture Glass Stacker Corner Connection Bracket

	List Price	Catalog Number
	\$ 31	CSTKCBG



Capture Glass Stacker Three-Way Connection Bracket

	List Price	Catalog Number
	\$ 43	CSTKTWBG



Capture Glass Stacker Four-Way Connection Bracket

	List Price	Catalog Number
	\$ 44	CSTKFWBG

Build your complete Part Number here: _____

Sample Part Number:

CSTKILBG

Total Cost \$32 =

\$32

Electrical

<u>Electrical & Communications Planning</u>	<u>50</u>
<u>8-Wire, 4-Circuit Planning & Specifying</u>	<u>51</u>
<u>Electrical & Data Components</u>	<u>55</u>

ELECTRICAL AND COMMUNICATIONS PLANNING

Power and Data Features and Capabilities

Capture offers base and beltway capabilities for accessing power and data in workstations. Power can be distributed at the base and at the beltway using PowerPac components. Hardwire raceway capabilities are also available at both the base and the beltway. Certain PowerPac Electrical components may be specified as factory installed in Capture Panels to simplify electrical planning and installation. PowerPac Electrical components can also be specified separately for field installation in non-powered panels.

The PowerPac Electrical System offers the power and flexibility of an 8-Wire, 4-Circuit system. PowerPac components are simple to specify and install. Each component is complete and sized for the panel where it will be used. PowerPac Blocks snap into place, with no tools required.

The PowerPac Electrical System is built to the requirements of the National Electrical Code and has not been approved for use in the City of the Chicago. For those cities and outlying areas required to abide by the Chicago Electrical Code, we offer a Hardwire option for use in panels 24" (610) to 48" (1219)-wide. Follow the National Electrical Code (NEC) or other local, state or national codes.

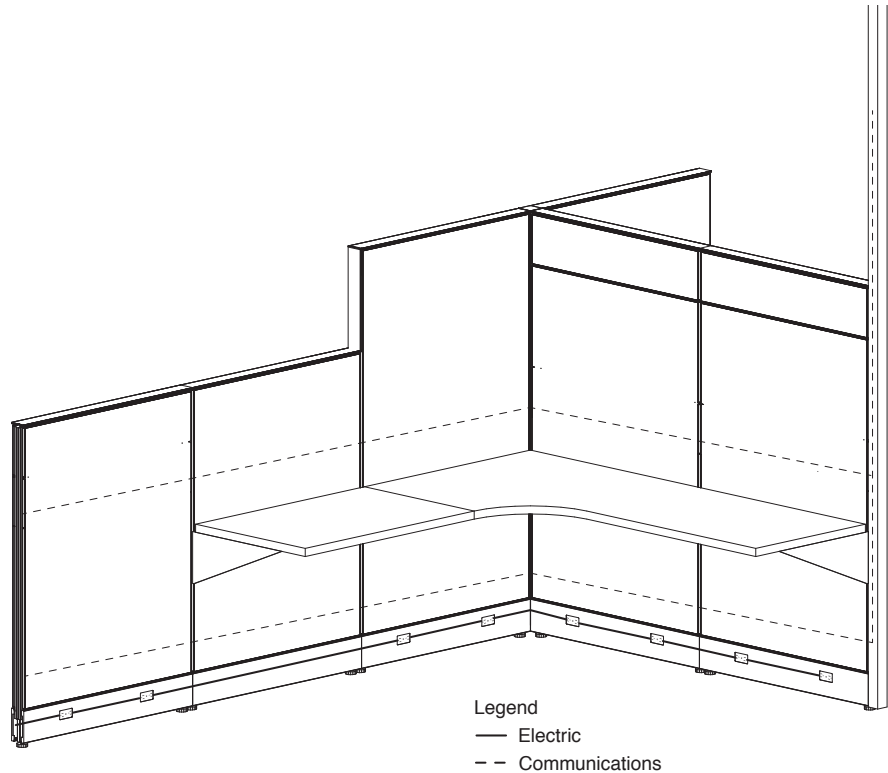
Power and Data Locations

- The maximum number of power and/or data ports that can be used with a 30" (762) and wider panel is 2 ports per panel side at baseline, and 2 ports per panel side at beltway.

Note: 20" (508) panels have pass through capability only; 24" (610) panels include 1 port per side at baseline and 1 port per side at beltway.

Distributing Power

- PowerPac Connectors are used to route power through the panels both horizontally and vertically from base to beltway.
- Power Blocks attach at the base and beltway locations using a common mounting bracket.
- The Chicago Electric Hardwire Box accepts field-installed electrical hardwiring and is approved for use in the City of Chicago and outlying areas requiring hardwiring. All electrical routing must be hardwired within the panel raceway by a certified electrician. The electrician provides



Note: Panel run Returns not shown.

all hardwired electrical components needed. For additional information on Chicago code projects, please contact a Fellowes Customer Care Representative.

Note: When specifying the Hardwire Panel option, no PowerPac components should be specified.

Distributing Data

- Data cables can be routed through all panels at the baseline, beltway and data pass-thru location.
- Communication Modules snap into an open duplex location in the base and at the beltway.

Cable Capacity for Fellowes Capture Frames

Cable Type	CAT 5E .220 (3/16"dia.)	CAT 6 .250 (1/4"dia.)	25 Pair .375 (3/8"dia.)
Base without electrical*	62	46	20
Base with electrical*	44	34	14
Beltway without electrical	46	36	16
Beltway with electrical	34	24	10
Mid-frame Data Pass thru	26	21	10
Power Pole	94	78	36
Power Pole with one Electrical Conduit	77	65	31
120° Power Pole	39	30	15
120° Power Pole with one Electrical Conduit	29	22	9

* The Capture Freestanding Screen Foot installed at the Base reduces Cable capacity by 25%.

8-Wire, 4-Circuit

POWERPAC ELECTRICAL AND DATA COMPONENTS

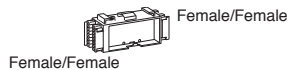
Components used in designing and specifying the modular electrical system are PowerPac Blocks, Connectors, Base Feeds, Ceiling Feeds, Duplexes and Power Poles. All Capture PowerPac Electrical components are UL and CUL Listed/CSA Certified.

The following information provides a description of each PowerPac component:

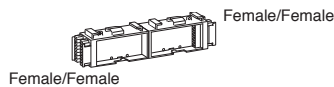
PowerPac® Blocks

PowerPac Blocks may be ordered with the frame or specified separately.

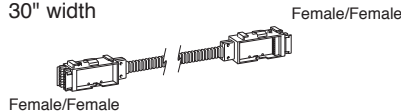
- PowerPac Blocks provide power access on both sides for up to two snap in Power Duplexes per side.
- 24" (610) PowerPac Block (PPB24) is a single distribution block to accommodate up to two power duplexes (maximum one per side). 24" (610) Blocks may be used for field installation in 24" (610) to 48" (1219)-wide panels to fill a single duplex location.
- 30" (762), 36" (914), 42" (1067), and 48" (1219) PowerPac Blocks (PPB30-PPB48) have two distribution blocks to accommodate up to four power duplexes (maximum two per side).
- PowerPac Blocks have four end ports (two per end) where up to four PowerPac Connector can be plugged in.



PPB24
24" width



PPB30
30" width

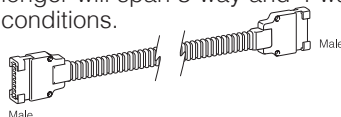


PPB36-PPB60
36" to 48" width

PowerPac Connectors

Connectors distribute power horizontally from one panel to another and/or distribute power vertically from the panel base to the beltway.

- The Block-to-Block Connectors (PPC)** is used to connect PowerPac Blocks to one another. It has a swivel at one end to distribute power around 90° bends. PPC22 Connectors and longer will span 3-way and 4-way conditions.

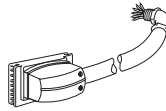


Male

Base Feeds 8-Wire, 4-Circuit

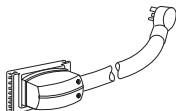
The Base Feed installs into a PowerPac Block to feed power from the building's electrical system. These are four different types of Base Feeds: Hardwired, Plug, New York City and End Mount.

- Hardwired Base Feed (CPRBFH)** installs into one duplex location in a Power Block. It includes 6' (1829) of flexible liquid tight conduit for hardwiring the standard 4-Circuit base feed to the building's electrical system. Can be used in right- or left-hand installation requirement.



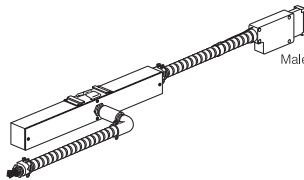
CPRBFH

- Base Feed Plug (CPRBFP)** installs into one duplex location in a Power Block. It includes 2' (610) and 20-amp plug for powering Circuit I only. Can be used in right- or left-hand installation requirement.



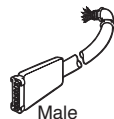
CPRBFP

- Power Feed Connector (CPRBFHNY)** (New York City hardwired) has 6' of flexible conduit and a junction box for hardwiring the standard four-circuit system in New York City applications.



CPRBFHNY

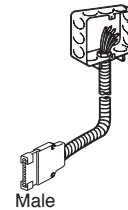
- End-Mount Base Feed (CPREBFH)** installs into the end of a Power Block. It includes 6' (1829) of flexible liquid tight conduit for hardwiring the standard 4-Circuit base feed to the building's electrical system.



CPREBFH

Ceiling Feed

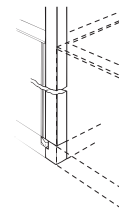
The Ceiling Feed (CFTP) supplies power from the ceiling to the PowerPac system. The feed is channeled through the Tele-Com Power Pole. It has 13' (3962) of wire and 12' (3658) of flexible conduit.



CFTP

Capture Power Pole

The Capture Power Pole (CPP) is used to channel PowerPac electrical components and communication cables by attaching to all panel side rails at end conditions and two-, three- and four-way conditions.

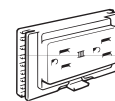


CPP

Power Duplexes

The Power Duplex plugs into PowerPac Blocks for access to the circuit. There are nine different duplexes that are used to create three different 4-Circuit options (See PowerPac Electrical Circuit Planning section). Each Power Duplex is color coded and marked to distinguish whether it is a general, dedicated or isolated circuit.

Circuits are marked with the following symbols: I, II, III, IV, I, II, III, IV. Power Duplexes need to be specified separately to match electrical circuit plan.



CPD151 - CPD154 A

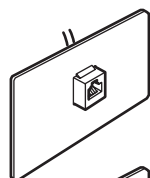
POWERPAC ELECTRICAL AND DATA COMPONENTS (Cont.)

USB Duplex

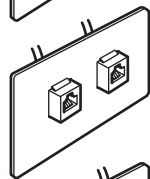
The USB duplex plugs into a PowerPac Block for access to the circuit. Each duplex provides 2 amps, one amp per port of charging power. Each USB Duplex is marked to distinguish its specific circuit. Circuits are marked with the following symbols: I, II, III, or IV. USB Duplexes need to be specified separately to match the electrical circuit plan.

Communication Modules

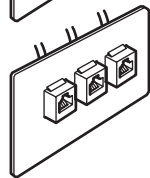
The Communication Module snaps into an open duplex location in the base and at the beltway providing access to communication distribution.



CM552



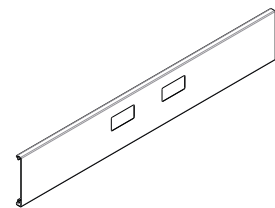
CM553, CM553BW, CM554



CM555

Raceway, Beltway Duplex and Communication Module Opening

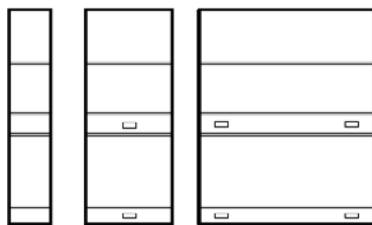
The size of the opening is 2.7" Wide and 1.38" Tall.



SPECIFYING POWER ELECTRICAL FOR POWERED PANELS

The following step-by-step guide illustrates how to specify powered Capture Panels and connecting electrical hardware for standard applications. For more complex electrical specification tips see the Advanced Electrical Planning Guidelines on the next page.

Step 1 Understand Number of Available Power Duplex Locations per Panel Type.



20"
Panels –
Pass
Through
Only

24"
Panels –
One
Duplex
Per Side

30"-48"
Panels –
Two
Duplexes
Per Side

Step 2 Specify Panels with Powered Electrical Option

P1 Option

When the Powered Base Option P1 is specified, electrical brackets will be factory installed in baseline locations. Power Blocks will be provided for field installation.

P2 Option

When the Powered Beltway Option P2 is specified, electrical brackets will be factory installed in beltway locations. Power Blocks will be provided for field installation.

PP Option

When the Powered Base/Beltway Option PP is specified, electrical brackets will be factory installed in both the base and beltway locations. Power Blocks will be provided for field installation.

Step 3 Specify which sides of the panel are powered

CB Option

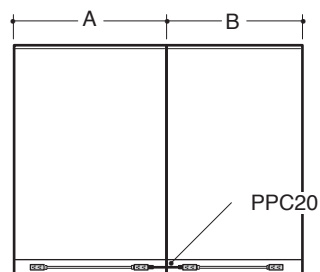
When the One-Sided CB Option is selected, only one side of the panel will have electrical cut-outs

CC Option

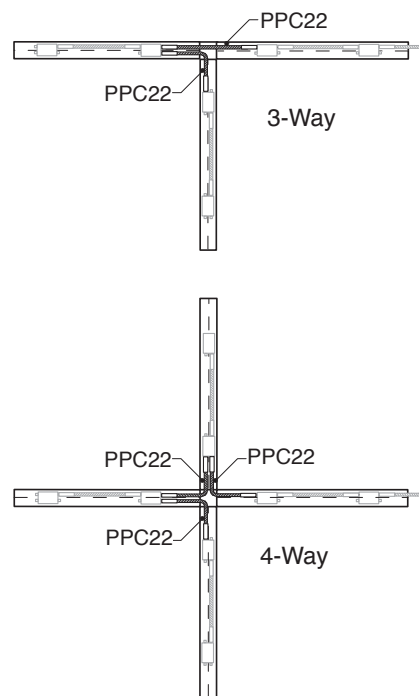
When the Dual-Sided CC Option is selected, both sides of the panel will have electrical cut-outs

Step 4

For all standard 180° connection specify PPC20.



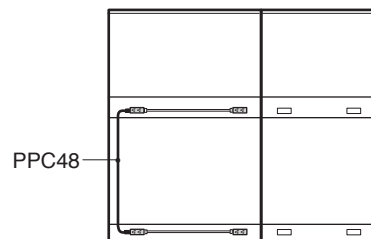
For all 2-way 90°, 3-way, and 4-way panel electrical connections, specify the PPC22.



Step 5

For all baseline-to-beltway electrical connections, specify the PPC48 Power Connector.

Note: The transition from base to beltway occurs within the panel frame.



Step 6

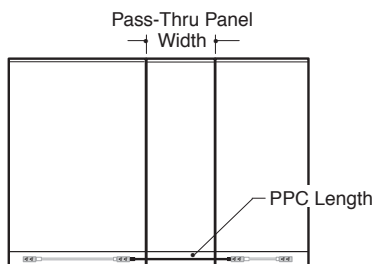
Specify Base Feed, Power Duplexes and Communication Modules to Complete Electrical Installation. Available components are described in the PowerPac Electrical and Data Components section.

ADVANCED ELECTRICAL PLANNING GUIDELINES

This section builds upon the steps described previously in Specifying Power Electrical, for more complex applications.

Passing 8-Wire Electrical Through a Non-Powered Panel

Use the following illustration and table to determine the correct PowerPac Block-to-Block Connector to connect two powered panels separated by a non-powered panel.

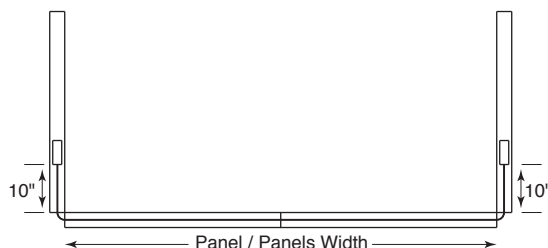


Connector Length for 8-Wire	
Panel Width	Connector
20"	PPC42
24"	PPC48
30"	PPC54
36"	PPC60
42"	PPC66
48"	PPC72

PPC Length=Pass-Thru Panel Width+24"

For 8-Wire, please add 24" to your Pass-Thru Panel Width to get your PPC Length.

Pass Thru Panel / Panels and (2) Corner Conditions

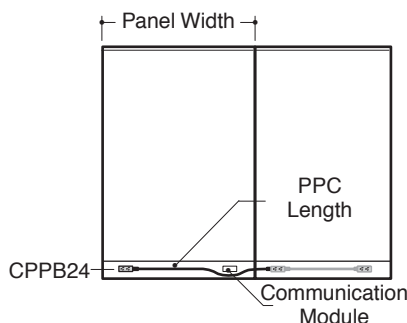


Connector Length	
Panel/Panel Width	Connector
20"	PPC48
24"	PPC54
30"	PPC60
36"	PPC66
42"	PPC72
48"	PPC78
54"	PPC84
60"	PPC90
66"	PPC96
72"	PPC102
78"	PPC108
84"	PPC114
90"	PPC120
96"	PPC126

PPC Length=Panel/Panels Width+30"

Integrating Communication Modules with 8-Wire Baseline and/or Beltway Electrical

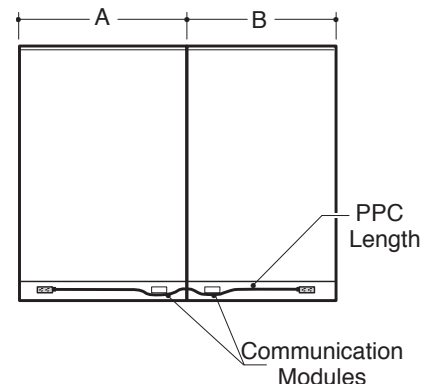
- Order CPPB24 Single Power Block
- Order PPC Connectors to connect to the next panel's Power Block Use the following illustration and table to determine the correct Power Block-to-Block Connector length when bypassing a Communication Module.



Connector Length=Panel Width

Integrating Communication Modules with 8-Wire Baseline and/or Beltway Electrical for More Complex Applications

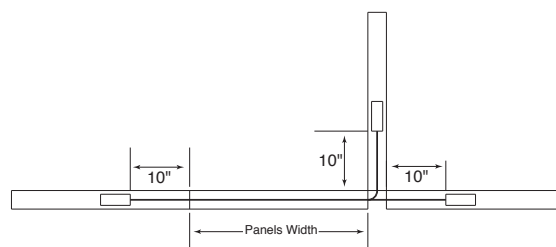
To determine Power Block-to-Block Connector lengths for more complex applications, use the diagram and formula below.



Connector Length = A + B - 24"

Note: If there is a connection point for a 2, 3 or 4 way connection condition add 3" and then round up to the nearest size harness.

Pass Thru (1) Panel and (1) 2-way 90 degree, 3-way and 4-way Condition



Connector Length	
Panel Width	Connector
20"	PPC48
24"	PPC48
30"	PPC54
36"	PPC60
42"	PPC66
48"	PPC72

PPC Length=Pass-Thru Panel Width+24"

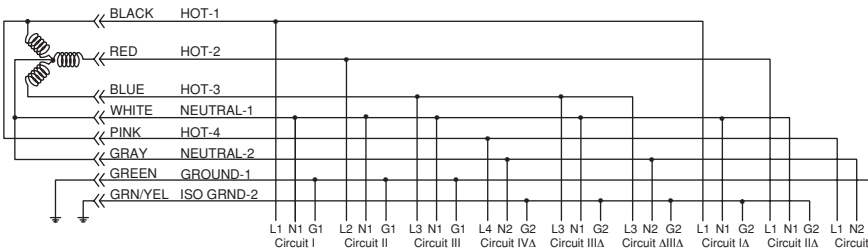
For 8-Wire, add 24" to your Pass-Thru Panel Width to get your PPC length.

The 8-Wire PowerPac Electrical Circuit Planning and Hardwiring to Building Electrical Source

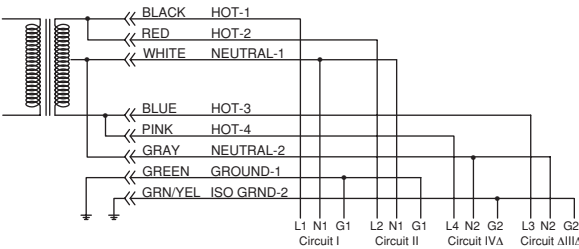
The PowerPac Electrical System is an 8-Wire, 4-Circuit system including a dedicated neutral and ground. Each circuit is rated for 20 amps. The PowerPac Electrical Schematic is included to show how the system installs to the building's power source (Fig. 1). There are three - four circuit options which include:

- Three general circuits, one dedicated circuit (Fig. 2).
- Three isolated circuits, one dedicated circuit (Fig. 3).
- Two general circuits, two isolated circuits (Fig. 4).

Fig. 1 Installing to Buildings Power Source
208/120V 3-Phase Building Supply



240/120V Single-Phase Building Supply



Options for PowerPac Four Circuit System
Fig. 2 Three General Circuits, One Dedicated

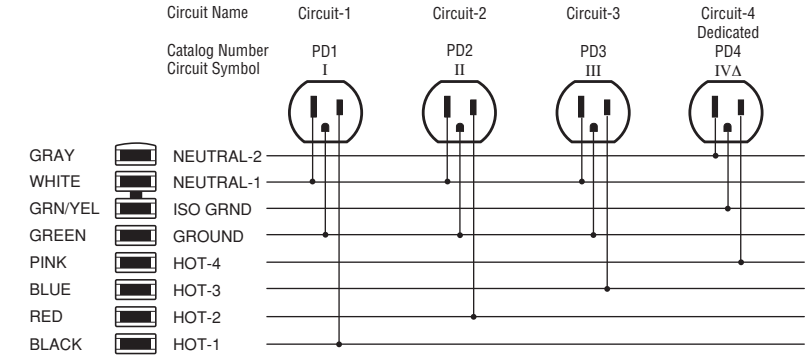


Fig. 3 Three Isolated Circuits, One Dedicated

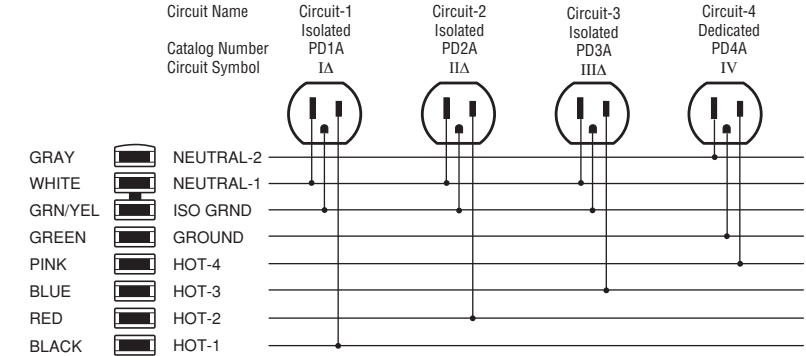
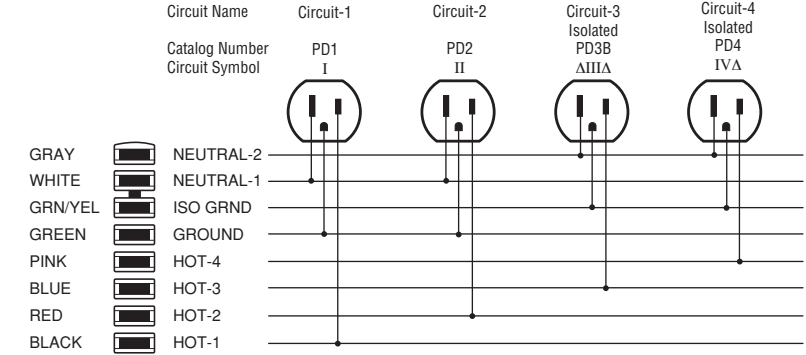


Fig. 4 Two General Circuits, Two Isolated



8-Wire, 4-Circuit PowerPac Blocks

The 8-Wire, 4-Circuit PowerPac Block, located 12" (305) on center from the vertical side rails, serves as a housing for receptacles and distributes power horizontally through a Capture Frame or Stacker Frame. It can distribute up to four 20-amp circuits through a modular eight-wire electrical system. It accommodates up to four duplex receptacles (eight outlets) on two sides of all Frames except 24" (610)-wide Frames. The 24" (610)-wide

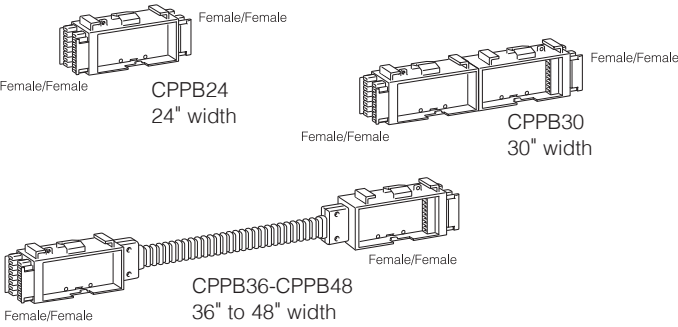
Frames accommodate only two duplex receptacles (four outlets) on two sides. Receptacles are ordered separately. The PowerPac Blocks are UL Listed and CUL Listed/CSA Certified.

Note: Includes PowerPac Block mounting brackets.

Capture 8-Wire, 4-Circuit PowerPac Connectors

Capture PowerPac Connectors connect PowerPac Blocks to one another, distributing power horizontally from

one Capture Frame or Stacker Frame to another and/or distributing power vertically from one level to another within a Frame. The Capture PowerPac Connector has a swivel at each end to distribute power around 90° bends. Longer lengths allow for pass-thru power in some Frames. The Capture PowerPac Connector is UL Listed and CUL Listed/CSA Certified.

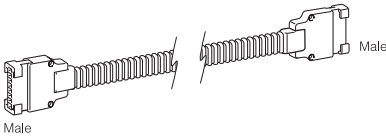


Capture 8-Wire, 4-Circuit PowerPac Blocks

Dimensions		Fit Panel Width	List Price	Catalog Number
Width	Height			
24" (610)	2 1/2" (64)	24" (610)	\$ 175	CPPB24
30" (762)		30" (762)	175	CPPB30
36" (914)		36" (914)	175	CPPB36
42" (1067)		42" (1067)	175	CPPB42
48" (1219)		48" (1219)	175	CPPB48

Capture 8-Wire, 4-Circuit PowerPac Connectors

Dimensions Width	List Price	Catalog Number
20" (508)	\$ 120	PPC20
22" (559)	120	PPC22
24" (610)	120	PPC24
30" (762)	120	PPC30
36" (914)	140	PPC36
42" (1067)	140	PPC42
48" (1219)	140	PPC48
54" (1372)	140	PPC54
60" (1524)	140	PPC60
66" (1676)	179	PPC66
72" (1829)	179	PPC72
78" (1981)	179	PPC78
84" (2134)	179	PPC84
90" (2286)	224	PPC90
96" (2438)	224	PPC96
102" (2591)	224	PPC102
108" (2743)	224	PPC108
114" (2896)	278	PPC114
120" (3048)	278	PPC120
126" (3200)	278	PPC126
132" (3353)	278	PPC132
138" (3505)	278	PPC138
144" (3658)	278	PPC144



Build your complete Part Number here:

Sample Part Number:

Total Cost \$175 =

CPPB24

\$175

Electrical Panel Communications Isolation Box
The Electrical Panel Communications Isolation Box is a modular metal outlet box to provide physical and electrical separation between power and communications. The box is UL Listed as an outlet box, so it can be used to hard-wire duplex receptacles if necessary. The Box can also be used in the beltway location for Chicago hardwired power.

Note: Two CEPCIBs cannot be used back to back.

Note: Order Communications Modules separately.

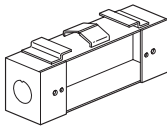
Capture 8-Wire, 4-Circuit Power Duplexes
The Power Duplex plugs into a PowerPac Block for access to power circuits. Each Power Duplex is marked to indicate Circuit I, II, III, IVΔ. Circuit IVΔ has an orange numeral and delta symbol (Δ) to indicate it accesses the dedicated and isolated circuits. Circuits IΔ, IIΔ, IIIΔ, and ΔIIIΔ have an orange numeral and delta symbol (Δ) to indicate they access the isolated circuits.

Packaged in boxes of six of the same duplex. Power Duplexes are UL Listed

and CUL Listed. They must be installed in PowerPac Blocks only.

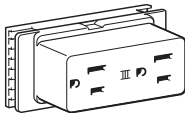
8-Wire, 4-Circuit USB Duplexes
The USB duplex plugs into a PowerPac Block for access to power circuits. These duplexes provide a place to charge devices via a USB charger. Each Power Duplex is marked to indicate Circuit I, II, III, or IV.

These are available for order in quantities of one, or a box of six of the same circuit. USB duplexes are UL Listed and CUL Listed/CSA Certified. They must be installed in PowerPac Blocks only.



Capture Electrical Panel Communications Isolation Box

	List Price	Catalog Number
	\$ 114	CEPCIB



Capture 8-Wire, 4-Circuit Power Duplexes

Description	List Price	Catalog Number	Trim Color
15 AMP Receptacles			
Circuit I	\$ 199	CPD151	Standard Smooth Finishes Only
Circuit II	199	CPD152	
Circuit III	199	CPD153	
Circuit IV Δ	224	CPD154	
Circuit I Δ	239	CPD151A	See Surface Materials Page 9
Circuit II Δ	239	CPD152A	
Circuit III Δ	239	CPD153A	
Circuit Δ III Δ	239	CPD153B	
Circuit IV	239	CPD154A	



Capture 8-Wire, 4-Circuit USB Duplexes

Description	List Price	Catalog Number	Trim Color
Circuit I Individual	\$ 194	CPUSBD11	Standard Smooth Finishes Only
Circuit II Individual	194	CPUSBD12	
Circuit III Individual	194	CPUSBD13	
Circuit IV Individual	194	CPUSBD14	
Circuit I Box of 6	\$ 1117	CPUSBD61	See Surface Materials Page 9
Circuit II Box of 6	1117	CPUSBD62	
Circuit III Box of 6	1117	CPUSBD63	
Circuit IV Box of 6	1117	CPUSBD64	

Build your complete Part Number here:

_____	_____
-------	-------

Sample Part Number:

CPD151	.Y
_____	_____

Total Cost \$199 =

\$199	+	N/C
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Capture 8-Wire, 4-Circuit Power Feed Harnesses

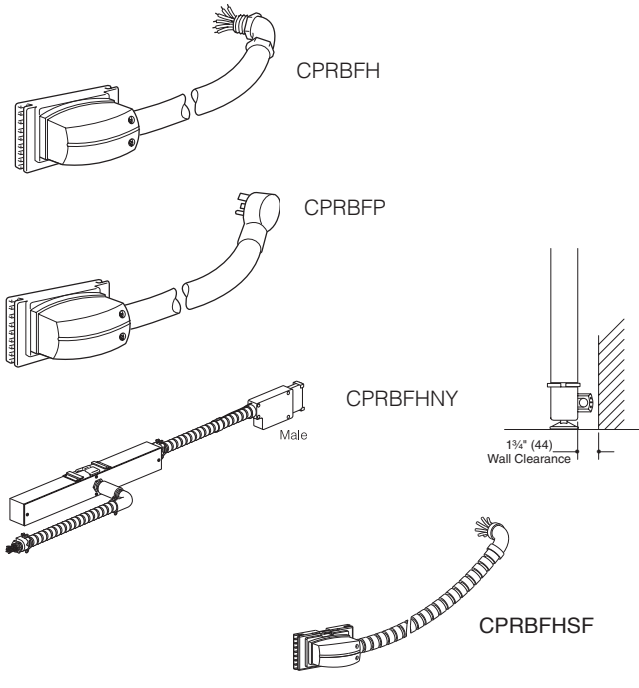
The Power Feed Harness plugs into the PowerPac system to feed power from the building's electrical system. The CPRBFH Power Feed Harness (hardwired) has 6' (1829) of flexible conduit for hardwiring the standard four-circuit system. The CPRBFP Power Feed Harness (plug) has a 2' (610) cord and a 20-amp plug for powering Circuit I only. Either feed

accommodates right- or left-hand installation requirements. UL Listed and CUL Listed/CSA Certified. The CPRBFHNY Power Feed Harness (hardwired junction box) is for New York City. It allows the hardwired distribution of the standard 4-circuit power to be connected to a PowerPac Block. The Power Feed Harness includes J-Box and Cover, 6' (1829) Flex-conduit, coupling, nipple, and modular harness. San Francisco has 6'

(1829) of flexible conduit for hardwiring the standard four-circuit system.

Capture 8-Wire, 4-Circuit Ceiling Feeds for Power Pole Kits

The Ceiling Feed supplies power from the ceiling to the PowerPac system. The feed is channeled through the Power Pole Kit. It has 13' (3962) of wire and 12' (3658) of flexible conduit. UL Listed and CUL Listed/CSA Certified.

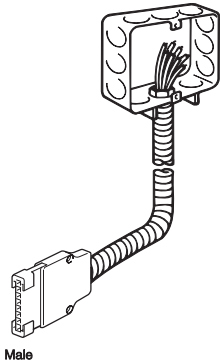


Capture 8-Wire, 4-Circuit Power Feed Harnesses

Description	List Price	Catalog Number
4-Circuit, Hardwired	\$ 233	CPRBFH
20-Amp Plug, Circuit 1	197	CPRBFP
4-Circuit, for use in New York City	253	CPRBFHNY
4-Circuit, for use in San Francisco	295	CPRBFHSF
End-Mount - 6' (1829) Cord Length	233	CPREBFH

8-Wire, 4-Circuit Ceiling Feeds for Power Pole

	List Price	Catalog Number
	\$ 175	CFTP
Build your complete Part Number here:		_____



Sample Part Number:

CFTP

Total Cost \$175 =

\$175