

## RV6PPF2U48XX Faceplates and Panels - CAT6+ REVConnect Patch Panel, Flat 2U48-Port



For more Information  
please call

1-800-Belden1



### General Description:

CAT6+ REVConnect Patch Panel, Flat, 48-Port, 2U (Preloaded)

### Usage (Overall)

Suitable Applications:	2400, 3600, 4800 Systems, TIA Category 6, ISO Class E, 1GBASE-T
Related Parts:	CAT6+ REVConnect Jacks, CAT6+ Modular Cords

### Physical Characteristics (Connectivity)

#### Capacity

Max. Capacity:	48 connectors (preloaded)
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#### Access

Front Connection:	Flush
Termination Area:	Front and Rear

### Dimensions

#### Dimensions:

Height (in.)	Width (in.)	Depth (in.)
3.470	19.000	2.000

### Materials

#### Materials:

Description	Material	Color
Panel	Steel	Black/White
Frame	PC/ABS	Black/White
Management Bar	Steel	Black
Clear Window	Polycarbonate	Transparent

### Color

Color:	Black, White
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### Weight

Weight:	3.083 lbs.
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### Included Parts

## RV6PPF2U48XX Faceplates and Panels - CAT6+ REVConnect Patch Panel, Flat 2U48-Port

**Included Parts:** 48 Cat6+ REVConnect Jacks Black preloaded; 50 REVConnect Cores; 4 Screws (10X32); 4 Screws (12X24); 2 Velcro Straps; 8 Clear Windows; 2 Rear Cable Management Bar; 1 Installation Guide

### Packaging

**Packaging:** Individually packaged in a cardboard box.

### Mechanical Characteristics (Connectivity)

**Footprint/Type:** KeyConnect

**Plug / Jack Compatibility:** RJ45

#### Termination Interface:

Termination	Connection	Durabilities
Front	Mated Connection	750 cycles
Rear	Mated Connection	20 cycles

**Cable/Connector Retention:** 15 lbs.

**Connector/Hardware Retention:** 20 lbs.

**Plug/Connector Retention:** 11.250 lbs.

**Storage Temperature Range:** -40°C To +70°C

**Installation Temperature Range:** -10°C To +60°C

**Operating Temperature Range:** -10°C To +60°C

**Tool Compatibility:** REVConnect Termination Tool (RVUTT01)

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**UL Rating:** UL94V-0

**IEEE Specification:** Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO PPOE (up to 60W), Power over HDBase TTM (up to 100W)

**EU Directive 2002/95/EC (RoHS):** Yes

**EU RoHS Compliance Date (mm/dd/yyyy):** 07/01/2006

**MIL Order #39 (China RoHS):** EUP 50

**Telecommunications Standards:** Category 6 - TIA 568.C.2, Category 6 - ISO/IEC 11801:2002 Ed.2

**Safety Listing:** c(UL)us Listed

**Other Specification:** UL 1863, IEC 60603-7, FCC part 68-F

#### Suitability

**Suitability - Indoor:** Yes

### Transmission Characteristics (Connectivity)

Mated Connection Table 1:

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden** (dB)	Min. NEXT TIA* (dB)	Min. NEXT Belden** (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)
1.000	0.100	0.100	75.000	77.000	75.000	77.000
4.000	0.100	0.100	75.000	77.000	71.100	75.100
8.000	0.100	0.100	75.000	77.000	65.000	69.000
10.000	0.100	0.100	74.000	77.000	63.100	67.100
16.000	0.100	0.100	69.900	72.900	59.000	63.000
20.000	0.100	0.100	68.000	71.000	57.100	61.100
25.000	0.100	0.100	66.000	69.000	55.100	59.100
31.250	0.110	0.100	64.100	67.100	53.200	57.200
62.500	0.160	0.120	58.100	61.100	47.200	51.200
100.000	0.200	0.160	54.000	57.000	43.100	47.100
200.000	0.280	0.240	48.000	51.000	37.100	41.100
250.000	0.320	0.280	46.000	49.000	35.100	39.100
300.000		0.310		44.500		37.600

Mated Connection Table - Footnote:

\* TIA/EIA-568-C.2 Category 6 Standard. \*\* Worst-case performance for a CAT6+ mated connection using CAT6+ modular plugs.

Mated Connection Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Belden** (dB)
1.000	30.000	34.100	40.000	42.000
4.000	30.000	34.100	40.000	42.000
8.000	30.000	34.100	40.000	42.000

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10.000	30.000	34.100	40.000	42.000
16.000	30.000	34.100	40.000	42.000
20.000	30.000	34.100	40.000	42.000
25.000	30.000	34.100	40.000	42.000
31.250	30.000	34.100	38.100	42.000
62.500	30.000	34.100	32.100	36.100
100.000	28.000	30.000	28.000	32.000
200.000	22.000	24.000	22.000	26.000
250.000	20.000	22.000	20.000	24.000
300.000	18.500	20.500		22.500

**Dielectric Strength:** 1,000 V RMS @ 60 Hz for 1 minute (Signals to Ground)

**Current Rating:** 1.300 A

**Insulation Resistance:** 500 M-Ohm Minimum

**Max. Contact Resistance:** 20 m-Ohm

**Termination Resistance:** 2.5 m-Ohm

### Notes (Overall)

**Notes:** For proper installation refer to Installation Guide PX106520 included with the product or visit our web site at <http://www.belden.com>

### Product Family

#### Part Numbers:

Item Number	Description
RV6PPF1U24BK	CAT6+ REVConnect Patch Panel Flat 1U24-Port, Black (Preloaded)
RV6PPF1U24WH	CAT6+ REVConnect Patch Panel Flat 1U24-Port, White (Preloaded)
RV6PPA1U24BK	CAT6+ REVConnect Patch Panel Angled 1U24-Port, Black (Preloaded)
RV6PPA1U24WH	CAT6+ REVConnect Patch Panel Angled 1U24-Port, White (Preloaded)
RV6PPF2U48BK	CAT6+ REVConnect Patch Panel Flat 2U48-Port, Black (Preloaded)
RV6PPF2U48WH	CAT6+ REVConnect Patch Panel Flat 2U48-Port, White (Preloaded)
RV6PPA2U48BK	CAT6+ REVConnect Patch Panel Angled 2U48-Port, Black (Preloaded)
RV6PPA2U48WH	CAT6+ REVConnect Patch Panel Angled 2U48-Port, White (Preloaded)

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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