

## RV5PPF1U24XX Faceplates and Panels - CAT5E REVConnect Patch Panel, Flat 1U24-Port



For more Information  
please call

1-800-Belden1



### General Description:

CAT5E REVConnect Patch Panel, Flat, 24-Port, 1U (Preloaded)

### Usage (Overall)

Suitable Applications:	1200 System, TIA Category 5E, ISO Class D, 1GBASE-T
Related Parts:	CAT5E REVConnect Modular Jacks, CAT5E Modular Cords

### Physical Characteristics (Connectivity)

#### Capacity

Max. Capacity:	24 connectors (preloaded)
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#### Access

Front Connection:	Flush
Termination Area:	Front and Rear

### Dimensions

#### Dimensions:

Height (in.)	Width (in.)	Depth (in.)
1.730	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:	1.846 lbs.
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### Included Parts

## RV5PPF1U24XX Faceplates and Panels - CAT5E REVConnect Patch Panel, Flat 1U24-Port

**Included Parts:** 24 Cat5E UTP REVConnect Jacks, 25 REVConnect Cores, 4 Screws (10x32); 4 Clear Windows; 1 Rear Cable Management Bar; 4 Screws (12x24); 2 Velcro Straps; 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 5e - TIA 568.C.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	65.000	77.000	65.000	77.000
4.000	0.100	0.100	65.000	73.800	63.100	74.800
8.000	0.100	0.100	64.900	67.700	57.000	68.700
10.000	0.100	0.100	63.000	65.800	55.100	66.800
16.000	0.100	0.100	58.900	61.700	51.000	62.700
20.000	0.100	0.100	57.000	59.800	49.100	60.800
25.000	0.100	0.100	55.000	57.800	47.100	58.800
31.250	0.110	0.100	53.100	55.900	45.200	56.900
62.500	0.160	0.120	47.100	49.900	39.200	50.900
100.000	0.200	0.160	43.000	45.800	35.100	46.800
160.000		0.210		41.700		42.700

Mated Connection Table - Footnote:

\* TIA/EIA-568-C.2 Category 5E Standard. \*\* Worst-case performance for a CAT5E mated connection using CAT5E modular plugs.

Mated Connection Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. Balanced TCL Belden** (dB)
1.000	30.000	32.000	42.000
4.000	30.000	32.000	42.000
8.000	30.000	32.000	42.000
10.000	30.000	32.000	42.000
16.000	30.000	32.000	42.000

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20.000	30.000	32.000	42.000
25.000	30.000	32.000	42.000
31.250	30.000	32.000	42.000
62.500	24.000	31.100	36.100
100.000	20.000	27.000	32.000
160.000		22.900	27.900

<b>Dielectric Strength:</b>	1,000 V RMS @ 60 Hz for 1 minute (Signals to Ground)
<b>Current Rating:</b>	1.300 A
<b>Insulation Resistance:</b>	500 M-Ohm Minimum
<b>Max. Contact Resistance:</b>	20 m-Ohm
<b>Termination Resistance:</b>	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
RV5PPF1U24BK	CAT5E REVConnect Patch Panel Flat 1U24-Port, Black (Preloaded)
RV5PPF1U24WH	CAT5E REVConnect Patch Panel Flat 1U24-Port, White (Preloaded)
RV5PPA1U24BK	CAT5E REVConnect Patch Panel Angled 1U24-Port, Black (Preloaded)
RV5PPA1U24WH	CAT5E REVConnect Patch Panel Angled 1U24-Port, White (Preloaded)
RV5PPF2U48BK	CAT5E REVConnect Patch Panel Flat 2U48-Port, Black (Preloaded)
RV5PPF2U48WH	CAT5E REVConnect Patch Panel Flat 2U48-Port, White (Preloaded)
RV5PPA2U48BK	CAT5E REVConnect Patch Panel Angled 2U48-Port, Black (Preloaded)
RV5PPA2U48WH	CAT5E REVConnect Patch Panel Angled 2U48-Port, White (Preloaded)

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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