

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) |
|-----------------------|---------------------------|

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 |
|---------------|--------------|

Weight

| | |
|----------------|------------|
| Weight: | 1.846 lbs. |
|----------------|------------|

Included Parts

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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 |

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 |
|--------------|--|
| 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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