

AX103259 Faceplates and Panels - CAT5E HD Patch Panel - HD-Style



For more Information
please call

1-800-Belden1



General Description:

CAT5E HD-110 Patch Panel, 48-port, 2U, Black

Usage (Overall)

| | |
|------------------------|-----------------------------------------------------------------------|
| Suitable Applications: | IBDN System 1200, TIA Category 5e, ISO Class D, 1000BASE-T, 100BASE-T |
| Related Parts: | CAT5E Modular Cords |

Physical Characteristics (Connectivity)

Capacity

| | |
|----------------|-------------------------------------------------|
| Max. Capacity: | 48 connectors (Patch Panel is already loaded) |
|----------------|-------------------------------------------------|

Access

| | |
|-------------------|-------|
| Front Connection: | Flush |
| Termination Area: | Rear |

Dimensions

Dimensions:

| Height (in.) | Width (in.) | Depth (in.) |
|--------------|-------------|-------------|
| 3.440 | 19.000 | 1.350 |

Materials

Materials:

| Description | Material |
|-------------|----------|
| Panel | Steel |

Color

| | |
|--------|-------|
| Color: | Black |
|--------|-------|

Weight

| | |
|---------|------------|
| Weight: | 1.700 lbs. |
|---------|------------|

Included Parts

| | |
|-----------------|---------------------------------------------------------------------------------------------|
| Included Parts: | 4 Screws (10x32); 4 Screws (12x24); 1 Printable LabelFlex Half-Sheet; 1 Installation Guide. |
|-----------------|---------------------------------------------------------------------------------------------|

Packaging

| | |
|------------|-------------------------------------------|
| Packaging: | Individually packaged in a cardboard box. |
|------------|-------------------------------------------|

Mechanical Characteristics (Connectivity)

| | |
|----------------------------|------|
| Footprint/Type: | HDPP |
| Plug / Jack Compatibility: | RJ45 |

Termination Interface:

| Termination | Connection | Durabilities |
|-------------|------------------|---------------|
| Front | Mated Connection | 750 Cycles |
| Rear | IDC Connection | 10 Insertions |

Termination Characteristics:

| Termination Characteristic |
|----------------------------|
| Universal T568A/B |

| | |
|---------------------------------|-------------------------------------|
| 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: | Gigaflex Connecting Tool (AX100749) |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------|-------------------------------------|
| Other Standards: | FCC Part 68, Subpart F, IEC 60603-7 |
| EU Directive 2002/95/EC (RoHS): | Yes |

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| | |
|---------------------------------------|--------------------------------------|
| EU RoHS Compliance Date (mm/dd/yyyy): | 07/01/2006 |
| MII Order #39 (China RoHS): | EUP 50 |
| Telecommunications Standards: | Category 5 - ISO/IEC 11801:2002 Ed.2 |
| Safety Listing: | ACA, Bi-national Standard Listed |

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 | 67.000 |
| 4.000 | 0.100 | 0.100 | 65.000 | 73.000 | 63.100 | 65.000 |
| 8.000 | 0.100 | 0.100 | 64.900 | 66.900 | 57.000 | 58.900 |
| 10.000 | 0.100 | 0.100 | 63.000 | 65.000 | 55.100 | 57.000 |
| 16.000 | 0.100 | 0.100 | 58.900 | 60.900 | 51.000 | 52.900 |
| 20.000 | 0.100 | 0.100 | 57.000 | 59.000 | 49.100 | 51.000 |
| 25.000 | 0.100 | 0.100 | 55.000 | 57.000 | 47.100 | 49.000 |
| 31.250 | 0.110 | 0.100 | 53.100 | 55.100 | 45.200 | 47.100 |
| 62.500 | 0.160 | 0.120 | 47.100 | 49.100 | 39.200 | 41.100 |
| 100.000 | 0.200 | 0.160 | 43.000 | 45.000 | 35.100 | 37.000 |
| 160.000 | | 0.210 | | 40.900 | | 32.900 |

Mated Connection Table - Footnote:

* TIA-EIA-568-B.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) |
|-----------------|----------------------------|--------------------------------|
| 1.000 | 30.000 | 32.000 |
| 4.000 | 30.000 | 32.000 |
| 8.000 | 30.000 | 32.000 |
| 10.000 | 30.000 | 32.000 |
| 16.000 | 30.000 | 32.000 |
| 20.000 | 30.000 | 32.000 |
| 25.000 | 30.000 | 32.000 |
| 31.250 | 30.000 | 32.000 |
| 62.500 | 24.100 | 32.000 |
| 100.000 | 20.000 | 28.000 |
| 160.000 | | 23.900 |

Dielectric Strength: 1,000 V RMS @ 60Hz for 1 minute

Current Rating: 1.500 A

Insulation Resistance: 500 M-Ohm Minimum

Max. Contact Resistance: 20m-Ohm

Termination Resistance: 2.5 m-Ohm

Notes (Overall)

Notes: For proper installation refer to Installation Guide PX100733 included with the product or visit our web site at <http://www.belden.com>

Product Family

Part Numbers:

| Description | Item Number |
|------------------------------|-------------|
| HD-110 PP CAT5E 1U24P, Black | AX103258 |
| HD-110 PP CAT5E 2U48P, Black | AX103259 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------|-------|-------------|-------|-------|-------------------------------|
| AX103259 | 1 EA | 2.866 LB | | | CAT5E HD-110 PATCH PANEL 48-P |

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