

## 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 )
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**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
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**Weight**

Weight:	1.700 lbs.
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**Included Parts**

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

Packaging:	Individually packaged in a cardboard box.
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**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
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## 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
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Current Rating:	1.500 A
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Insulation Resistance:	500 M-Ohm Minimum
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Max. Contact Resistance:	20m-Ohm
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Termination Resistance:	2.5 m-Ohm
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## 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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Revision Number: 0    Revision Date: 09-19-2017

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