

AX105521 Faceplates and Panels - CAT6+ HD Patch Panel - HD-Style



For more Information
please call

1-800-Belden1



General Description:

CAT6+ HD Patch Panel, 48-port, 2U, Black (Preloaded), 568A/B

Usage (Overall)

Suitable Applications:	IBDN System 2400, 3600 and 4800, TIA Category 6, ISO Class E, 1000BASE-T
Related Parts:	CAT6+ 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 (mm)	Width (mm)	Depth (mm)
88.138	482.600	85.090

Materials

Materials:

Description	Material
Panel	Steel

Color

Color:	Black
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Weight

Weight:	1.300 kg
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Included Parts

Included Parts:	2 Label Holders; 2 Cable Bars; 4 Thumb Nuts; 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	200 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
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METRIC MEASUREMENT VERSION

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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
Safety Listing:	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	75.000	77.000	75.000	77.000
4.000	0.100	0.100	75.000	77.000	71.100	75.000
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	67.000
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	61.000
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	56.000	43.100	47.100
200.000	0.280	0.240	48.000	50.000	37.100	41.100
250.000	0.320	0.280	46.000	48.000	35.100	39.100
300.000		0.310		43.500		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/TCTL TIA* (dB)	Min. Balanced TCL/TCTL Belden** (dB)
1.000	30.000	32.000	40.000	42.000
4.000	30.000	32.000	40.000	42.000
8.000	30.000	32.000	40.000	42.000
10.000	30.000	32.000	40.000	42.000
16.000	30.000	32.000	40.000	42.000
20.000	30.000	32.000	40.000	42.000
25.000	30.000	32.000	40.000	42.000
31.250	30.000	32.000	38.100	42.000
62.500	28.100	30.100	32.100	36.100
100.000	24.000	26.000	28.000	32.000
200.000	18.000	20.000	22.000	26.000
250.000	16.000	18.000	20.000	24.000
300.000		16.500		22.500

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 PX105949 included with the product or visit our web site at <http://www.belden.com>

Product Family

Part Numbers:

Description	Item Number
HD PP CAT6+ 1U24P, Black	AX105520
HD PP CAT6+ 2U48P, Black	AX105521

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX105521	1 EA	2.866 LB			CAT6+ HD PATCH PANEL 48-P

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Revision Number: 0 Revision Date: 04-01-2014

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