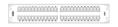
## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



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



Other Standards:

EU Directive 2002/95/EC (RoHS):





For more Information please call

1-800-Belden1



General Description:	
CAT5E HD-110 Patch Panel, 48-port,	2U, Black
Jsage (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	TOCIONS (10x02), TOCIONS (12x2T), TTIMIABLE EABCH TOX TRAIT-OFFCCT, TIMISIANIAN OUTCO.
Packaging:	Individually packaged in a cardboard box.
Mechanical Characteristics (Connectivity)	
Footprint/Type:	HDPP
Plug / Jack Compatibility:	RJ45
Termination Interface:	
TerminationConnectionDurabilitiesFrontMated Connection750 CyclesRearIDC Connection10 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 Compl	

FCC Part 68, Subpart F, IEC 60603-7

Yes

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## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



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

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:

#### 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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<sup>\*</sup> TIA-EIA-568-B.2 Category 5e Standard. \*\* Worst-case performance for a CAT5E mated connection using CAT5E modular plugs.

## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



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

Revision Date: 09-19-2017 Revision Number: 0

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