Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

AX103262 Panels - CAT5E Ultra-High Density PP - UHD Style

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

Description:

CAT5E Ultra-High Density Patch Panel, 48-port, 1U, Black

Usage (Overall)

Suitable Applications:	IBDN System 1200, TIA Category 5E, ISO Class D, 1000BASE-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.)
1.750	19.000	1.360

Materials
Materials:

Description	Material
Panel	Steel

Color

Color:	Black

Weight

Weight:	1.900 lbs.

Included Parts

Included Parts:	4 Screws (10x32); 4 Screws (12x24); 1 Printable LabelFlex Half-Sheet; 2 Velcro Straps; 2 Rear Cable Management Bracket, 1 Installation Guide, 1 kit Termination Bar

Packaging

Packaging:	Individually packaged in a cardboard box.

Mechanical Characteristics (Connectivity)

Footprint/Type:	UHD
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

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

AX103262 Panels - CAT5E Ultra-High Density PP - UHD Style

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
EU RoHS Compliance Date (mm/dd/yyyy):	07/01/2006
MII Order #39 (China RoHS):	EUP 50
Telecommunications Standards:	Category 5e - TIA 568.B.2, Category 5 - ISO/IEC 11801:2002 Ed.2
Safety Listing:	ACA, Bi-national (UL/CSA) 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	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-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)	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
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	24.100	31.100	36.100
100.000	20.000	27.000	32.000
160.000		22.900	27.900

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

01-19-2012

AX103262 Panels - CAT5E Ultra-High Density PP - UHD Style

Notes (Overall)

Notes: For proper installation refer to Installation Guide PX104692 included with the product or visit our web site at http://www.belden.com

Product Family

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX103262	1 EA	2.645 LB			CAT5E ULTRA-HD PATCH PANL 48-P

Revision Number: 0   Revision Date: 06-01-2009