Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

AX103255 Panels - CAT6+ Patch Panel - KeyConnect

For more Information please call

1-800-Belden1

Description:

CAT6+ KeyConnect Patch Panel, 48-port, 2U, Black

Usage (Overall)

Suitable Applications:	IBDN System 4800, 3600, 2400, 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)

Access

Front Connection:	Flush
Termination Area:	Rear

Dimensions

Dimensions:

Height (in.)	Width (in.)	Depth (in.)
3.500	19.000	1.300

Materials

Materials:

Description	Material
Panel	Steel

Color

Color:	Black

Weight

Weight:	2.500 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:	KeyConnect
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
EU RoHS Compliance Date (mm/dd/yyyy):	01/30/2008
MII Order #39 (China RoHS):	Yes
Telecommunications Standards:	Category 6 - TIA 568.B.2-1, ISO/IEC 11801:2002 Ed.2
Third Party Performance Verification:	ETL - Verified Category 6
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	75.000	77.000	75.000	77.000
4.000	0.100	0.100	75.000	77.000	71.100	75.100
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	67.100
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	61.100
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	57.000	43.100	47.100
200.000	0.280	0.240	48.000	51.000	37.100	41.100
250.000	0.320	0.280	46.000	49.000	35.100	39.100
300.000		0.310		44.500		37.600

Mated Connection Table - Footnote: * TIA-EIA-568-B.2-1 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 TIA* (dB)	Min. Balanced TCL 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	32.000	32.100	36.100
100.000	24.000	28.000	28.000	32.000
200.000	18.000	22.000	22.000	26.000
250.000	16.000	20.000	20.000	24.000
300.000		18.500		22.500

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 PX104691 included with the product or visit our web site at http://www.belden.com

Product Family

Part Numbers:

Description	Item Number
KeyConnect PP CAT6, 1U24P, Black	AX103253
KeyConnect PP CAT6, 2U48P, Black	AX103255
KeyConnect UHDPP CAT6, 1U48P, Black	AX103263
KeyConnect PP CAT6, 1U24P wt couplers, Black	AX104227
KeyConnect PP CAT6, 2U48P wt couplers, Black	AX104228
KeyConnect PP CAT6, 1U48P wt couplers, Black	AX104591

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX103255	1 EA	3.968 LB			CAT6+ KCONN PATCH PANEL 48-P

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