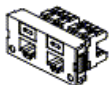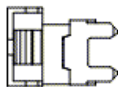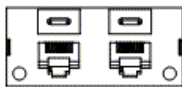**BELDEN**
SENDING ALL THE RIGHT SIGNALS

AX101767 Modular Connectors - MediaFlex GigaFlex insert 2-port, Flush, CAT6+

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

General Description:

MediaFlex GigaFlex insert 2-port, Flush, CAT6+

Usage (Overall)

Suitable Applications:	IBDN System 2400, 3600 and 4800, TIA Category 6+, ISO Class E, 1000 BASE-T
Related Parts:	Compatible with MediaFlex Faceplate

Physical Characteristics (Connectivity)

Dimensions
Dimensions:

Height (in.)	Width (in.)	Depth (in.)
0.925	2.050	1.320

Materials
Materials:

Description	Type	Material
Front Connection	Lead Frame	Copper Allow with 50u inch Gold over Nickel
Rear Connection	IDC	Copper Allow with Nickel Plating
Connector Body		Plastic - UL940V-0

Color

Color:	White

Wiring Scheme

Wiring Scheme:	T568A/B

Weight

Weight:	0.060 lbs.

Included Parts

Included Parts:	2 T-Bar, 2 dust cap, 6 pack ID tab

Packaging

Packaging:	Individually packaged in a plastic bag.

Mechanical Characteristics (Connectivity)

Footprint/Type:	MDVO-Style
Plug / Jack Compatibility:	RJ45, RJ11

Termination Interface:

Termination	Connection	Durabilities
Front	Mated Connection	750 cycles
Rear	Gas Tight IDC Connection	10 terminations

Cable/Connector Retention:	15 lbs.
Connector/Hardware Retention:	20 lbs.
Plug/Connector Retention:	11.250 lbs.
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:	Belden 110 Connecting Tool, MediaFlex Termination Station

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):	01/01/2007

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MII Order #39 (China RoHS):	EUP 50
Telecommunications Standards:	Category 6 - TIA 568.B.2-1, ISO/IEC 11801:2002 Ed.2
Safety Listing:	ACA, Bi-national Standard Listed

Suitability

Suitability - Indoor:	Yes - Indoor

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	0.110	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.2-1-2002 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	22.000	20.000	24.000
300.000		18.500		22.500

Dielectric Strength:	1,000 V RMS @ 60 Hz for 1 minute
Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max. Contact Resistance:	20 m-Ohm
Termination Resistance:	2.5 m-Ohm

Notes (Overall)

Notes: For proper installation refer to Installation Guide PX102063 available on our web site at http://www.belden.com/pdfs/Techpprs/InstallationGuide.pdf

Product Family

Part Number List:

Item Number	Color
AX101765	Gray
AX101766	Almond
AX101767	White
AX101768	Black
AX102574	Ivory

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX101767	1 EA	0.060 LB			MEDIAFLEX UTP INSERT 2-P

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Revision Number: 0   Revision Date: 06-05-2009