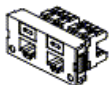
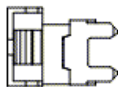
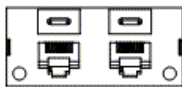


AX101767 Modular Connectors - MediaFlex GigaFlex insert 2-port, Flush, CAT6+



For more Information
please call

1-800-Belden1



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 | 0.100 | 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.2-1-2002 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

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