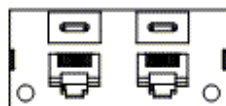


## AX101772 Modular Connectors - MediaFlex GigaFlex insert 2-port, Flush, CAT5E



For more Information  
please call

1-800-Belden1



### Description:

MediaFlex GigaFlex insert 2-port, Flush, CAT5E

### Usage (Overall)

|                               |   |
|-------------------------------|---|
| <b>Suitable Applications:</b> | IBDN System 1200, TIA Category 5E, ISO Class D, 1000 BASE-T |
| <b>Related Parts:</b>         | 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 - UL94V-0                           |

#### Color

|               |       |
|---------------|-------|
| <b>Color:</b> | Black |
|---------------|-------|

#### Wiring Scheme

|                       |         |
|-----------------------|---------|
| <b>Wiring Scheme:</b> | T568A/B |
|-----------------------|---------|

#### Weight

|                |            |
|----------------|------------|
| <b>Weight:</b> | 0.060 lbs. |
|----------------|------------|

#### Included Parts

|                        |   |
|------------------------|---|
| <b>Included Parts:</b> | 2 protective cap, 2 dust cap, 6 pack ID tab |
|------------------------|---|

#### Packaging

|                   |  |
|-------------------|--|
| <b>Packaging:</b> | Individually packaged in a plastic bag. Standard pack of 25 units. |
|-------------------|--|

### Mechanical Characteristics (Connectivity)

Termination Interface:

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

|                                   |         |
|-----------------------------------|---------|
| <b>Cable/Connector Retention:</b> | 15 lbs. |
|-----------------------------------|---------|

|                                      |         |
|--------------------------------------|---------|
| <b>Connector/Hardware Retention:</b> | 20 lbs. |
|--------------------------------------|---------|

|                                  |             |
|----------------------------------|-------------|
| <b>Plug/Connector Retention:</b> | 11.250 lbs. |
|----------------------------------|-------------|

|                                   |                |
|-----------------------------------|----------------|
| <b>Storage Temperature Range:</b> | -40°C To +70°C |
|-----------------------------------|----------------|

|  |                |
|--|----------------|
| <b>Installation Temperature Range:</b> | -10°C To +60°C |
|--|----------------|

|                                     |                |
|-------------------------------------|----------------|
| <b>Operating Temperature Range:</b> | -10°C To +60°C |
|-------------------------------------|----------------|

|                            |   |
|----------------------------|---|
| <b>Tool Compatibility:</b> | Belden 110 Connecting Tool, MediaFlex Termination Station |
|----------------------------|---|

## AX101772 Modular Connectors - MediaFlex GigaFlex insert 2-port, Flush, CAT5E

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|  |   |
|--|---|
| <b>Other Standards:</b>                      | FCC Part 68, Subpart F, IEC 60603-7                             |
| <b>EU Directive 2002/95/EC (RoHS):</b>       | Yes   |
| <b>EU RoHS Compliance Date (mm/dd/yyyy):</b> | 01/01/2007  |
| <b>MII Order #39 (China RoHS):</b>           | EUP 50  |
| <b>Telecommunications Standards:</b>         | Category 5e - TIA 568.B.2, Category 5 - ISO/IEC 11801:2002 Ed.2 |
| <b>Safety Listing:</b>                       | ACA, Bi-national (UL/CSA) Standard Listed                       |

## Suitability

|                              |              |
|------------------------------|--------------|
| <b>Suitability - Indoor:</b> | 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                             | 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 @ 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>

**AX101772 Modular Connectors - MediaFlex GigaFlex insert 2-port, Flush, CAT5E****Product Family****Part Number List:**

| Item Number | Color  |
|-------------|--------|
| AX101769    | Gray   |
| AX101770    | Almond |
| AX101771    | White  |
| AX101772    | Black  |
| AX102575    | Ivory  |

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #   | Putup | Ship Weight | Color | Notes | Item Desc                |
|----------|-------|-------------|-------|-------|--------------------------|
| AX101772 | 1 EA  | 0.051 LB    |       |       | MEDIAFLEX UTP INSERT 2-P |

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