

## AX101447 Modular Connectors - GIGABIX CONNECTOR 6-PORT



For more Information  
please call

1-800-Belden1



## General Description:

## GIGABIX CONNECTOR 6-PORT

## Usage (Overall)

|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | IBDN System 4800, 3600, 2400, TIA Category 6, ISO Class E, 1000BASE-T                                                 |
| Related Parts:         | Compatible with GigaBIX patch cord, GigaBIX termination kit, GigaBIX rack mount panel, designation strips, wire guard |

## Physical Characteristics (Connectivity)

## Dimensions

Dimensions:

| Height (in.) | Width (in.) | Depth (in.) |
|--------------|-------------|-------------|
| 0.310        | 6.630       | 1.280       |

## Materials

Materials:

| Description      | Type | Material                         |
|------------------|------|----------------------------------|
| Front Connection | IDC  | Copper Alloy with Nickel Plating |
| Rear Connection  | IDC  | Copper Alloy with Nickel Plating |
| Connector Body   |      | Plastic - UL940V-0               |

## Weight

Weight: 0.110 lbs.

## Packaging

Packaging: packaged in carton. Standard pack of 12 units.

## Mechanical Characteristics (Connectivity)

Termination Interface:

| Termination | Connection               | Durabilities     |
|-------------|--------------------------|------------------|
| Front       | Gas Tight IDC Connection | 200 terminations |
| Rear        | Gas Tight IDC Connection | 200 terminations |

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: BIX Connecting Tool (A0270165)

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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                                             |
| Telecommunications Standards:         | Category 6 - TIA 568.C.2, Class E - ISO/IEC 11801:2002 |
| Third Party Performance Verification: | ETL - Verified Category 6                              |
| 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 PSNEXT Belden** (dB) | Min. NEXT TIA* (dB) | Min. NEXT Belden** (dB) | Min. FEXT TIA* (dB) | Min. FEXT Belden** (dB) |
|-----------------|-------------------------------|-----------------------------------|--------------------------|---------------------|-------------------------|---------------------|-------------------------|
| 100.000         | 0.200                         | 0.180                             | 55.900                   | 54.000              | 58.900                  | 43.100              | 58.800                  |

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Mated Connection Table - Footnote:

\* IIA/EIA-568-C-2 Category 6 Standard.

Mated Connection Table 2:

| Frequency (MHz) | Min. Return Loss TIA* (dB) | Min. Return Loss Belden** (dB) |
|-----------------|----------------------------|--------------------------------|
| 100.000         | 24.000                     | 37.300                         |

Dielectric Strength: 1,000 V RMS @ 60 Hz for 1 minute

Current Rating: 1.500 A

Insulation Resistance: 100 M-Ohm Minimum

Max. Contact Resistance: 1 m-Ohm

**Notes (Overall)**Notes: For proper installation refer to Installation Guide PX101813 (French) or PX101814 (English) included with the product or visit our web site at <http://www.belden.com>

Notes (Cont'd.): Suitable for 22 to 26 Wire Gauge.

**Product Family**

## Part Number List:

| Description                   | Item Number |
|-------------------------------|-------------|
| GigaBIX Connectors - 6 ports  | AX101447    |
| GigaBIX Connectors - 25 pairs | AX101448    |

**Put Ups and Colors:**

| Item #   | Putup | Ship Weight | Color | Notes | Item Desc                     |
|----------|-------|-------------|-------|-------|-------------------------------|
| AX101447 | 1 EA  | 0.111 LB    |       |       | GIGABIX CONN POLARIZED 4-PAIR |

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