

## AX101447 Modular Connectors - GIGABIX CONNECTOR 6-PORT



For more Information  
please call

1-800-Belden1



### Description:

GIGABIX CONNECTOR 6-PORT

### Usage (Overall)

<b>Suitable Applications:</b>	IBDN System 4800, 3600, 2400, TIA Category 6, ISO Class E, 1000BASE-T
<b>Related Parts:</b>	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 Allow with Nickel Plating
Rear Connection	IDC	Copper Allow 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 & 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 (UL/CSA) Standard Listed

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## 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

Mated Connection Table - Footnote: \* TIA/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

## Related Documents:

No related documents are available for this product

## 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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