

## AX101447 Modular Connectors - GIGABIX CONNECTOR 6-PORT



For more Information  
please call

1-800-Belden1



### General 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 (mm)	Width (mm)	Depth (mm)
7.874	168.402	32.512

#### 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:** 0.050 kg

#### 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 Standard Listed

## AX101447 Modular Connectors - GIGABIX CONNECTOR 6-PORT

### 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

### Put Ups and Colors:

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

Revision Number: 0    Revision Date: 11-10-2014

© 2020 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.