

AX101448 Modular Connectors - GIGABIX CONNECTOR 25-PAIR

For more Information
please call

1-800-Belden1

**General Description:****GIGABIX CONNECTOR 25-PAIR****Usage (Overall)**

Suitable Applications:	IBDN System 1200, TIA Category 5E, ISO Class D, 1000 BASE-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 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 5e - TIA 568.C.2
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. NEXT TIA* (dB)	Min. NEXT Belden** (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)
100.000	0.200	0.160	43.000	45.800	35.100	46.800

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Mated Connection Table - Footnote:

* IIA/EIA-568-C-2 Category 5e Standard.

Mated Connection Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. Balanced TCL Belden** (dB)
100.000	20.000	27.000	32.000

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: 1 m-Ohm

Notes (Overall)

Notes: For proper installation refer to Installation Guide PX101820 (French) or PX101821 (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
AX101448	1 EA	0.222 LB			GIGABIX CONN POLARIZED 25-PAIR

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