



Product: [AX101447](#)

GIGABIX CONNECTOR 6-PORT



Product Description

GIGABIX CONNECTOR 6-PORT

Technical Specifications

Product Overview

Suitable Applications:	IBDN System 4800, 3600, 2400, TIA Category 6, ISO Class E, 1000BASE-T
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Physical Characteristics (Overall)

Insulation

Nominal Diameter
0.14 mm

Packaging:	packaged in carton; Standard pack of 12 units
Weight:	0.11 g

Connectors

Materials

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

Electrical Characteristics

Dielectric Strength:	1,000V RMS @ 60 Hz for 1 minute kV DC
Current Rating:	1.5 A
Insulation Resistance:	100 MOhm*km
Max Contact Resistance:	1 mOhm

Inductance

Nominal Inductance
0.14 μ H/m
0.14 μ H/ft

High Frequency

Max. Insertion Loss (Attenuation)
0.128 dB/100m

Mated Connection

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Min. NEXT TIA* (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)	Min. Return Loss TIA* (dB)
100	0.2 dB	54 dB	43.1 dB	58.8 dB	24 dB

Temperature Range

Installation Temperature Range:	-10°C To +60°C
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Storage Temperature Range:	-40°C To +70°C
Operating Temperature Range:	-10°C To +60°C

Mechanical Characteristics

Footprint/Type:	GigaBIX
Tool Compatibility:	BIX Connecting Tool (A0270165)

Termination Interface

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

Dimensions (WxHxD)

Width	Height	Depth
6.63	0.31	1.28

Standards

ISO/IEC Compliance:	ISO/IEC 11801:2002
Data Category:	Category 6
TIA/EIA Compliance:	ANSI/TIA/EIA 568 C.2 Category 6
Third Party Performance Verification:	ETL - Verified Category 6

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive Compliance:	EU Directive 2002/95/EC (RoHS)

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

Safety Listing:	ACA,UL 1863 and CSA-C22.2
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Related Part Numbers

Related Parts:	Compatible with GigaBIX patch cord, GigaBIX termination kit, GigaBIX rack mount panel, designation strips, wire guard
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Variants

Item #	Color	UPC
AX101447	White	611589002776

Product Notes

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
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History

Update and Revision:	Revision Number: 0.99 Revision Date: 03-04-2023
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