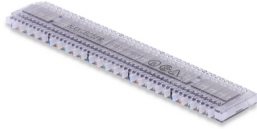




Product: [AX101448](#)

## GIGABIX CONNECTOR 25-PAIR



### Product Description

GIGABIX CONNECTOR 25-PAIR

### 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

<b>Nominal Diameter</b>	
0.146 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	

#### Construction and Dimensions

OuterJacket1, Nom Thick Twisted Section:	0.147 mm
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#### 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

<b>Nominal Inductance</b>	
0.145 µH/m	

##### 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
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
AX101448	White	611589002783

## 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 <a href="http://www.belden.com">http://www.belden.com</a>
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## History

Update and Revision:	Revision Number: 0.97 Revision Date: 07-03-2024
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