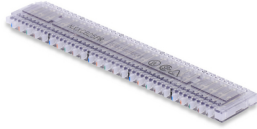




Product: [AX101448](#)

## 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
------------------------	---

#### Physical Characteristics (Overall)

##### Insulation

###### Nominal Diameter

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
--	----------

#### 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

0.145 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
-----------------------	-----

## Flammability, LSOH, Toxicity Testing

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

## Related Part Numbers

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

### 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>
--------	--

## History

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

© 2024 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.