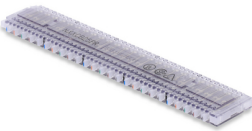




Product: [AX101448](#)

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, LS0H, 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: 03-04-2023 |
|----------------------|---|

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