

# DATA Sheet

## GigaBix PS5E Patch Cords



**AX101963 GigaBix PS5E Patch Cord,  
BIX-BIX, 4 ft**



**AX101969 GigaBix PS5E Patch Cord,  
BIX-8MOD, 4 ft**

GigaBix PS5E Patch Cords increase the proven versatility of the expanded GigaBix Multi family of connectivity products. GigaBix PS5E Patch Cords allow for high-density connections, coupled with flexibility for cost-effective installation and administration. Plug-and-go installation and rearrangement of patch cords do not require any special tools or training.

GigaBix PS5E Patch Cords are used in the Belden IBDN System 1200 providing a channel bandwidth of 160 MHz. The GigaBix PS5E Patch Cord and GigaBix Connector provide a mated performance that exceeds Category 5E requirements.

GigaBix PS5E Patch Cords are available in two different configurations and in various lengths. BIX-BIX patch cord configurations are terminated with GigaBix-compatible plugs at each end for easy cross-connection between equipment and distribution fields. BIX-8MOD patch cord configurations are terminated with a GigaBix-compatible plug at one end and an 8-position modular plug on the other. They are available in T568A-ISDN or T568B-ALT wiring schemes. These cords are used to easily interconnect equipment directly into the distribution field.

## Features & Benefits

- Beyond Category 5E performance providing additional margin to support gigabit applications up to 160 MHz
- New and improved compact design to ease connector and plug accessibility
- Robust and installer-friendly plug design with proven contact reliability to reduce network operating costs
- Marked with pair identification (1 to 4) for easy plug orientation
- Available in various lengths for greater installation flexibility

## Applications

- Horizontal distribution or equipment terminations in telecommunications rooms and equipment rooms
- Interconnection terminations in consolidation points. (BIX-open, custom configuration)

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### Technical Specifications

#### Qualifications

- > UL Listed as a Communications Circuit Accessory

#### Modular Plug

- > 8-position modular plug, FCC Part 68, Subpart F compliant
- > IEC 603-7:1990
- > UL Listed as a Recognized Component

#### Cable

- > UL Listed CMR

#### Configurations

- > BIX-BIX termination with straight-through wiring
- > BIX-8MOD termination with BIX to 8MOD T568A-ISDN
- > BIX-8MOD termination with BIX to 8MOD T568B-ALT
- > Available in 1.2, 1.8, 2.4, 3.0, 4.6, and 7.6 m (4, 6, 8, 10, 15 and 25 ft) lengths

### Mechanical Characteristics

#### GigaBix Plug

- > Dimensions (H x W x D): 11.4 x 25.1 x 38.5 mm (0.450 in. x 0.990 in x 1.515 in)
- > Housing: fire-retardant thermoplastic rated UL94V-0, clear
- > Overmold: fire-retardant thermoplastic rated UL94V-0, black
- > Gas-tight connection with BIX clips
- > UL Listed as a Recognized Component
- > Durability: 500 insertions

#### Modular Plug

- > Housing: fire retardant thermoplastic UL94V-0, clear
- > Durability: 1000 mating cycles
- > Contact material: phosphor bronze with 50 micro-inches gold over nickel

#### Cable

- > GigaBix PS5E Patch Cable
- > Minimum bend radius: 6 mm (0.236 in.)
- > Nominal diameter: 5.6 mm (0.220 in.)

### Electrical Characteristics

#### GigaBix Plug

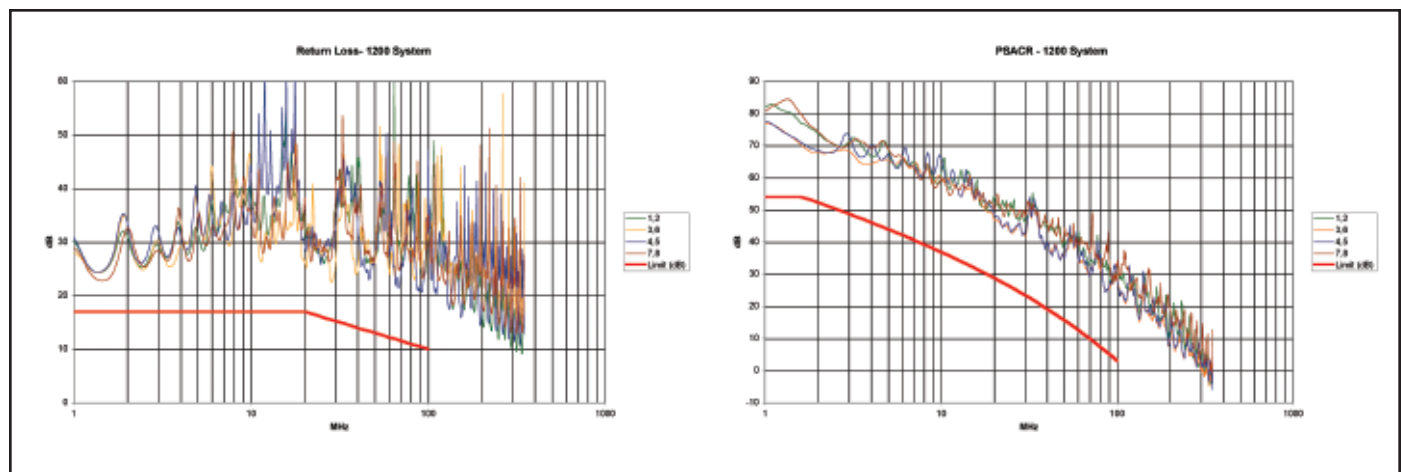
- > Dielectric strength: 1,000 V RMS at 60 Hz for 1 minute
- > Voltage rating: 150 VAC maximum
- > Current rating: 1.5 A maximum
- > Insulation resistance: 100 M $\Omega$  minimum between clips

#### Modular Plug

- > Dielectric strength: 1,000 V RMS at 60 Hz for 1 minute
- > Voltage rating: 150 VAC maximum
- > Current rating: 1.5 A maximum

### Transmission Characteristics

- > Exceeds Category 6 standard requirements
- > Performance of a worst-case 4-conductor channel (100 m) using GigaBIX Patch Cords



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### Installation Tips

- > Plan cross-connect or interconnect layout to ordering and installation
- > Use BIX-BIX Patch Cords for cross-connect configurations, between equipment and distribution fields
- > Use BIX-8MOD Patch Cords for interconnect configurations, between the network equipment and the distribution field
- > Use appropriate patch cord management accessories

### Packaging

- > Individual packaged in clear plastic bags
- > Minimum ordering quantity: 10
- > Ordering increments: 10

### For More Information

For any other product information call:  
1-800-BELDEN-1 or visit us at  
[www.Belden.com](http://www.Belden.com)

All information is subject to change without notice, since Belden reserves the right to change its products as progress in engineering and manufacturing methods or other circumstances may warrant.

## Ordering Information

### GigaBIX PS5E Patch Cord, BIX-BIX\*

| LENGTH        | UPC          |     | ORDERING NUMBER |
|---------------|--------------|-----|-----------------|
| 1.2 m (4 ft)  | 628575117697 | NEW | AX101963        |
| 1.8 m (6 ft)  | 628575117703 | NEW | AX101964        |
| 2.4 m (8 ft)  | 628575117710 | NEW | AX101965        |
| 3.0 m (10 ft) | 628575117727 | NEW | AX101966        |
| 4.6 m (15 ft) | 628575117734 | NEW | AX101967        |
| 7.6 m (25 ft) | 628575117741 | NEW | AX101968        |

### GigaBIX PS5E Patch Cord, BIX-8MOD, T568A-ISDN\*

| LENGTH        | UPC          |     | ORDERING NUMBER |
|---------------|--------------|-----|-----------------|
| 1.2 m (4 ft)  | 628575117758 | NEW | AX101969        |
| 1.8 m (6 ft)  | 628575117765 | NEW | AX101970        |
| 2.4 m (8 ft)  | 628575117772 | NEW | AX101971        |
| 3.0 m (10 ft) | 628575117789 | NEW | AX101972        |
| 4.6 m (15 ft) | 628575117796 | NEW | AX101973        |
| 7.6 m (25 ft) | 628575117802 | NEW | AX101974        |

### GigaBIX PS5E Patch Cord, BIX-8MOD, T568B-ALT\*

| LENGTH        | UPC          |     | ORDERING NUMBER |
|---------------|--------------|-----|-----------------|
| 1.2 m (4 ft)  | 628575117819 | NEW | AX101975        |
| 1.8 m (6 ft)  | 628575117826 | NEW | AX101976        |
| 2.4 m (8 ft)  | 628575117833 | NEW | AX101977        |
| 3.0 m (10 ft) | 628575117840 | NEW | AX101978        |
| 4.6 m (15 ft) | 628575117857 | NEW | AX101979        |
| 7.6 m (25 ft) | 628575117864 | NEW | AX101980        |

Other lengths and configurations can be offered as custom products. Please contact Customer Service for information.