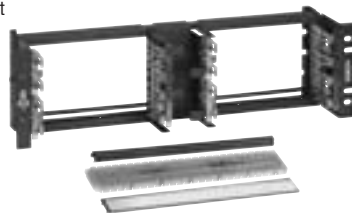# GigaBIX Multi System
Termination Kits and Basic Components

AX101985 GigaBIX Rack Mount Termination Kit, 48-port

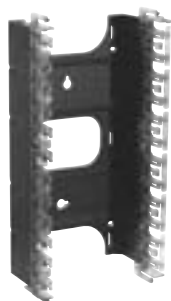AX101470 GigaBIX Termination Kit, 72-port

AX101447 GigaBIX Connector, 6-port
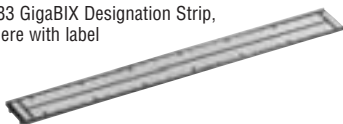
AX101986 GigaBIX Rack Mount Panel

AX101472 GigaBIX Mount

AX101486 GigaBIX Wire Guard

AX101483 GigaBIX Designation Strip, shown here with label

AX101987 GigaBIX/MediaFlex Adapter

GigaBIX Termination Kits

The GigaBIX Termination Kits contains all components required to terminate cables in a GigaBIX Cross-Connect or Interconnect System. The Termination Kits allow for the most cost-effective Category 6 cross-connect or interconnect installations using GigaBIX Cross-Connect Wire or GigaBIX PS6+ Patch Cords. The GigaBIX Mount is designed to accommodate high-performance cables. The GigaBIX Connectors have color-coded edges, separation marks and a keying feature that prevents connector insertion in the wrong orientation. Each kit also contains Wire Guards, Designation Strips, Designation Labels, Velcro ties and a detailed installation guide.

GigaBIX Connector

The GigaBIX Connector is the core component of the GigaBIX Multi System. Its symmetrical construction allows termination of high-performance cables on one side and GigaBIX Cross-Connect Wires or GigaBIX Patch Cords on the other. Each GigaBIX Connector is equipped with 50 double-ended Insulation Displacement Connection (IDC) clips for terminating plastic insulated solid copper conductors without stripping. The connector is built with two staggered rows of IDC clips enclosed in a three-layer construction of fire-retardant plastic wafers. The GigaBIX Connectors have color-coded edges, separation marks and a keying feature that prevents connector insertion in the wrong orientation. The GigaBIX Connector offers exceptional performance that goes Beyond Category 6 which makes it the ideal choice for gigabit cabling networks.

GigaBIX Mount

The GigaBIX Mount for wall installations holds 12 GigaBIX Connectors and is designed to accommodate up to 144 high-performance cables when used in a top-to-bottom cross-connect layout.

The GigaBIX Rack Mount Panel allows for customizing rack mount installations for data, voice or multimedia installations. This panel can accommodate up to 8 GigaBIX Connectors, for a total of 48 terminations of 4-pair UTP cables, or up to 4 GigaBIX/MediaFlex Adapters for a total of 48 multimedia ports.

GigaBIX Wire Guard

The GigaBIX Wire Guards are plastic strips that snap behind the GigaBIX Connectors after termination to provide strain relief to the twisted pairs. They come as part of the GigaBIX Termination Kits and can also be ordered separately as replacement components.

GigaBIX Designation Strip

The GigaBIX Designation Strips are plastic strips that snap between the GigaBIX Connectors to apply the designation labels. They come as part of the GigaBIX Termination Kits and can also be ordered separately as replacement components. (See the LabelFlex section for designation labels.)

GigaBIX/MediaFlex Adapter

The GigaBIX/MediaFlex Adapter allows for mixed media installation within the expanded GigaBIX Multi family of connectivity. The GigaBIX/MediaFlex Adapter can accommodate a variety of MediaFlex inserts including UTP and multimedia inserts to customize multimedia installation in Telecommunications Rooms, Equipment Rooms, or Consolidation Points.

Description	Belden Part Number
GigaBIX Multi System	
Termination Kits	
GigaBIX Termination Kit, 72-port	**AX101470**
GigaBIX Termination Kit, 300-pair	**AX101471**
GigaBIX Rack Mount Termination Kit, 48-port	**AX101985**
Basic Components	
GigaBIX Connector, 6-port	**AX101447**
GigaBIX Connector, 25-pair	**AX101448**
GigaBIX Mount, 12-connector	**AX101472**
GigaBIX Rack Mount Panel, 48-port	**AX101986**
GigaBIX Wire Guard	**AX101486**
GigaBIX Designation Strip	**AX101483**
GigaBIX/MediaFlex Adapter	**AX101987**

These products are in the process of being assessed for RoHS compliance. Please check our Web Site for the most current RoHS status.

15 ● Networking — Copper

GigaBIX Multi System
Patch Cords and Cross-Connect Wire

AX101945 GigaBIX PS6+ Patch Cord, BIX-BIX, 4 ft.

AX101951 GigaBIX PS6+ Patch Cord, BIX-8MOD, 4 ft.
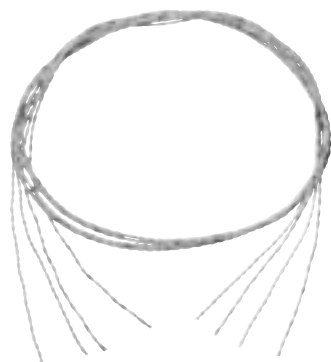
GigaBIX Patch Cords

GigaBIX 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 Patch Cords are available in two different configurations: BIX-BIX patch cord configurations for easy cross-connection between equipment and distribution fields, and BIX-8MOD patch cord configurations to easily interconnect equipment utilizing 8-position modular jacks directly into GigaBIX Connectors in the distribution field.

The GigaBIX PS6+ Patch Cords are 4-pair 23 AWG UTP cords. They are used in GigaBIX Multi System as part of a Belden IBDN System 2400 and System 4800LX, providing a channel bandwidth of 250 MHz and 300 MHz respectively.

The GigaBIX PS5E Patch Cords are used in the GigaBIX Multi System as part of a Belden IBDN System 1200, providing outstanding channel bandwidth of 160 MHz.

Description	Belden Part Number		
	BIX-BIX	BIX-8MOD T568A-ISDN	BIX-8MOD T568B-ALT
GigaBIX Multi System			
PS6+ Patch Cords			
4 ft. (1.2 m)	AX101945	AX101951	AX101957
6 ft. (1.8 m)	AX101946	AX101952	AX101958
8 ft. (2.4 m)	AX101947	AX101953	AX101959
10 ft. (3.0 m)	AX101948	AX101954	AX101960
15 ft. (4.6 m)	AX101949	AX101955	AX101961
25 ft. (7.6 m)	AX101950	AX101956	AX101962
PS5E Patch Cords			
4 ft. (1.2 m)	AX101963	AX101969	AX101975
6 ft. (1.8 m)	AX101964	AX101970	AX101976
8 ft. (2.4 m)	AX101965	AX101971	AX101977
10 ft. (3.0 m)	AX101966	AX101972	AX101978
15 ft. (4.6 m)	AX101967	AX101973	AX101979
25 ft. (7.6 m)	AX101968	AX101974	AX101980

These products are in the process of being assessed for RoHS compliance. Please check our Web Site for the most current RoHS status.

24570521 GigaBIX Cross-connect Wire, 4-pair

GigaBIX Cross-Connect Wire

GigaBIX Cross-Connect Wire is intended for use between GigaBIX cross-connect fields in a Telecommunications Room or in a Main Cross-Connect Frame. Using GigaBIX Cross-Connect Wire allows for very flexible and cost-effective installations. The cut-to-length jumper eliminates need for slack management and guarantees permanent installation aesthetics. The GigaBIX Cross-Connect Wire offers transmission performance that goes Beyond Category 6 providing additional margin to support Gigabit applications.

Color Code: White/Blue, White/Orange, White/Green, White/Brown.

Description	Belden Part Number
GigaBIX Multi System	
Cross-Connect Wire	
4-pair, 1000 ft. (305 m), Spool	24570521
4-pair, 1000 ft. (305 m), Spool-in-Box	24577B15

These products are in the process of being assessed for RoHS compliance. Please check our Web Site for the most current RoHS status.

GigaBIX Multi System
Cable Management Accessories

AX102154 GigaBIX Color-Coded Clip

AX101469 GigaBIX Cable Management Module

AX101468 GigaBIX Patch Cord Organizer and
AX101521 GigaBIX Patch Cord Organizer Cover

AX101520 GigaBIX Horizontal Channel Plate

AX101478 GigaBIX Management Ring

GigaBIX Colored Service Clips

The GigaBIX Colored Service Clip is a single-pair plastic clip that snaps on the GigaBIX connectors to visually identify various services when using GigaBIX Cross-Connect Wire.
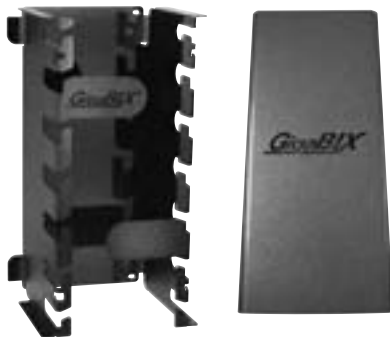
GigaBIX Cable Management Module

The GigaBIX Cable Management Module is designed to be used with a wall mount solution. The accessory allows all terminated cables to be brought from the same side (top or bottom) in a high-density GigaBIX installation (4-mount stack). The modules are stackable side-to-side and top-to-bottom with alignment features to ease installation. The modules can be used horizontally to create a horizontal management channel for more flexibility in a side-to-side patching layout using GigaBIX Patch Cords.

GigaBIX Patch Cord Organizer

The GigaBIX Patch Cord Organizer is designed to be used with a wall mount solution. The Patch Cord Organizer is a metal trough that interlocks with GigaBIX Mounts to create a vertical management channel for GigaBIX Patch Cords. The Patch Cord Organizer has six (6) openings per side to nicely dress the patch cords while clearing the labeling area on the GigaBIX Mount. The organizer can be assembled over Cable Management Modules in large patch cord installations. A Patch Cord Organizer Cover can be purchased separately to hide the patch cords and give a very professional and high-tech look to the installation.

GigaBIX Horizontal Channel Plate

GigaBIX Horizontal Channel Plates are metal plates that attach to the Patch Cord Organizers to create a horizontal management channel for GigaBIX Patch Cords. The plates are used in pairs and are designed to keep patch cords inside the horizontal channel.

GigaBIX Management Ring

The GigaBIX Management Ring is a plastic ring that interlocks with the GigaBIX Mounts to create a high-density wall mount cross-connect system. The rings are assembled in systems when using cross-connect wire and have a capacity of 450 GigaBIX Cross-Connect Wires (1800-pairs total).

Description	Belden Part Number
GigaBIX Multi System	
Cable Management Accessories	
GigaBIX Color-Coded Clip, Gray	**AX102146**
GigaBIX Color-Coded Clip, Almond	**AX102147**
GigaBIX Color-Coded Clip, White	**AX102148**
GigaBIX Color-Coded Clip, Black	**AX102149**
GigaBIX Color-Coded Clip, Orange	**AX102150**
GigaBIX Color-Coded Clip, Red	**AX102151**
GigaBIX Color-Coded Clip, Yellow	**AX102152**
GigaBIX Color-Coded Clip, Green	**AX102153**
GigaBIX Color-Coded Clip, Blue	**AX102154**
GigaBIX Color-Coded Clip, Purple	**AX102155**
GigaBIX Color-Coded Clip, Brown	**AX102156**
GigaBIX Cable Management Module	**AX101469**
GigaBIX Patch Cord Organizer	**AX101468**
GigaBIX Patch Cord Organizer, Cover	**AX101521**
GigaBIX Horizontal Channel Plate	**AX101520**
GigaBIX Management Ring	**AX101478**

These products are in the process of being assessed for RoHS compliance. Please check our Web Site for the most current RoHS status.

15 ● Networking — Copper

GigaBIX Multi System
Cable Management Accessories

GigaBIX Distribution Frame & Accessories

GigaBIX Distribution Frames provide a compact mounting unit for large cross-connect installations of data or voice services.

The GigaBIX Distribution Frame can accommodate up to (16) 12-connector GigaBIX Mounts, eight on the equipment side and eight on the distribution side. The GigaBIX Distribution Frame has a capacity of 1152 ports or 4800 pairs. It is backwards compatible with BIX Mounts (QMBIX12E) and can be used to continue a row of BIX Distribution Frames (QFBIX24E).

The GigaBIX Frame End Kit consists of eight (8) cable trays and eight (8) distribution rings plus appropriate mounting hardware. One kit is required to support GigaBIX Cross-Connect Wires on the sides of a single-frame installation or on the end frames of a multi-frame installation.

The GigaBIX Overhead Kit consists of two (2) metal bars and four (4) "J" bolts plus appropriate mounting hardware to support cable ladder (not included) running over a row of GigaBIX Distribution Frames.

Description	Belden Part Number

GigaBIX Multi System

Cable Management Accessories	
Distribution Frame, 1152 ports/4800 pairs	**AX102073**
Frame End Kit	**AX102082**
Frame Overhead Kit	**AX102145**

These products are in the process of being assessed for RoHS compliance. Please check our Web Site for the most current RoHS status.

AX102073 GigaBIX Distribution Frame