BIX Cross-Connect System

Distribution Connectors, Multiplying Connectors and Modular Jack Connectors

A0393146 QCBIX1A4 Connector

BIX Distribution Connector

The BIX Distribution Connector is a 25-pair connector. The connector's symmetrical construction allows termination of cables on one side and cross-connect jumper wires or BIX Patch Cords on the other. Each BIX connector is equipped with 50 double-ended Insulation Displacement Connection (IDC) clips for terminating plastic insulated solid copper conductors without stripping and pair splitters on each side of the connector facilitate wire insertion.

A0266827 QCBIX5A Multiplying Connector

BIX Multiplying Connector

BIX Multiplying Connectors are used to generate multiple outputs from a single input. Construction of these connectors is identical to that of BIX Distribution Connectors, except for the IDC clips which are bridged. BIX Multiplying Connectors are typically used in voice applications.

The QCBIX2A Connector is built using 24 sets of bridged clips (2 clips each). It is used to terminate various facilities where multiples of 2 are required.

The QCBIX5A Connector is built using 10 sets of bridged clips (5 clips each). It is used for multiple jumper connections to the same equipment.

The QCBIX7A Connector is built using 10 sets of bridged clips (four 2-clip and six 7-clip bridged arrangements). It is primarily intended for use with 1A type key telephone systems. Each connector can terminate up to three lines of key equipment providing service to as many as seven key telephone sets per line.

AX100798 BIX Modular Jack Connector

BIX Modular Jack Connector

BIX Modular Jack Connectors provide a fast and flexible method to manage small-to-medium cross-connect installations. These connectors are built with a BIX connector pre-wired to standard modular jacks. They allow front-access termination and patching.

The NXXCBMC6U Connector is a 6-port, 8-position modular connector used for data applications. It exceeds all Category 5e channel requirements when used with PS5E Modular Cords in a Belden IBDN 1200 System.

QCBIX36-type Connectors are used mostly for voice applications. The QCBIX36D connector is a 6-port, 8-position modular connector. It is pre-wired to USOC 8-wire wiring scheme specifications. The QCBIX36C connector is an 8-port, 6-position modular connector. It is pre-wired to USOC 6-wire wiring scheme specifications. The QCBIX36B connector is a 12-port, 6-position modular connector. It is pre-wired to USOC 4-wire wiring scheme specifications.

Description	Belden Part Number
BIX Cross-Connect System	
Distribution Connector	
BIX Distribution Connector, 5-pair Marking	**A0266828**
BIX Distribution Connector, 4-pair Marking	**A0393146**
Multiplying Connector	
BIX Multiplying Connector, QCBIX2A, 25-pair, 12x2-pair	**A0269923**
BIX Multiplying Connector, QCBIX5A, 25-pair, 5x5-pair	**A0266827**
BIX Multiplying Connector, QCBIX7A, 25-pair, 2x2-pair & 3x7-pair	**A0269925**
Modular Jack Connector	
BIX Modular Jack Connector, NXXCBMC6U, 6-port, PS5E, T568A/B Coded	**AX100798**
BIX Modular Jack Connector, QCBIX36D, 6-port, USOC, 8-pin	**A0341173**
BIX Modular Jack Connector, QCBIX36C, 8-port, USOC, 6-pin	**A0330864**
BIX Modular Jack Connector, QCBIX36B, 12-port, USOC, 4-pin	**A0330863**

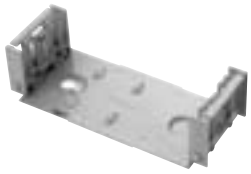
These products are in the process of being assessed for RoHS compliance. Please check our Web Site for the most current RoHS status.

BIX Cross-Connect System

Mounts, Covers and Wire Management Accessories

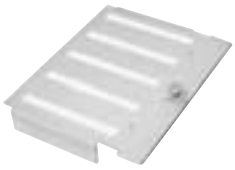
A0340836 QMBIX12E BIX Mount, 300-pair

A0284798 QMBIX10C BIX Mount, 50-pair



A0277853 QMBIX31A 50-pair Mount with Locking Cover

A0285986 Locking Cover for 250-pair Mount



A0276396 BIX Cover, QMBIX10A, Stand-alone installation, Locking

A0270168 Distribution Ring

BIX Mount

BIX Mounts are basic components used in building a cross-connect system. They can accept BIX Distribution, Multiplying or Modular Jack Connectors. The 300 and 250-pair mounts can be wall-mounted or installed on BIX Frames. These mounts feature an interlocking design allowing them to be stacked for larger cross-connect installations.

The BIX 50-pair Mount is typically used in small cross-connect installations. Also available is a 50-pair mount with cover that is sold as an assembly and is typically used in small cross-connect installations where security and/or dust protection is required.

BIX Cover

BIX Covers can be used to restrict access of cross-connect installations for better protection and security. Two sizes are available to suit either the QMBIX12E 300-pair mount or the QMBIX10A 250-pair mount. The two locking covers used in wall or frame-mounted installations are molded with translucent plastic allowing visual inspection. Also available are two covers used exclusively in stand-alone QMBIX10A 250-pair mount installations: one locking, the other non-locking—both have four cable entries, one at each corner.

Distribution Ring

The Distribution Ring is used in wall mount installations providing a cross-connect channel for jumper wires, patch cords and cables. The Distribution Ring interlocks with the QMBIX12E or QMBIX10A mounts, providing proper spacing and alignment.

Description	Belden Part Number
BIX Cross-Connect System	
BIX Mount	
BIX Mount, QMBIX12E (300-pair)	**A0340836**
BIX Mount, QMBIX10A (250-pair)	**A0270164**
BIX Mount, QMBIX10C (50-pair)	**A0284798**
BIX Mount with Cover	
BIX Mount with Cover, (Locking), 50-pair	**A0277853**
BIX Mount with Cover, (Snap-on), 50-pair	**A0277854**
BIX Locking Cover	
BIX Locking Cover, for QMBIX12E (300-pair)	**A0340838**
BIX Locking Cover, for QMBIX10A (250-pair)	**A0285986**
BIX Cover	
BIX Cover, QMBIX10A, Stand-alone installation, locking	**A0276396**
BIX Cover, QMBIX10A, Stand-alone installation, non-locking	**A0276394**
Distribution Ring	
Distribution Ring	**A0270168**

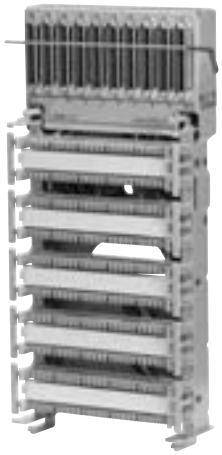
These products are in the process of being assessed for RoHS compliance. Please check our Web Site for the most current RoHS status.

BIX Cross-Connect System

BIX Distribution Frames, Universal BIX-PAC and Trunk Access Blocks

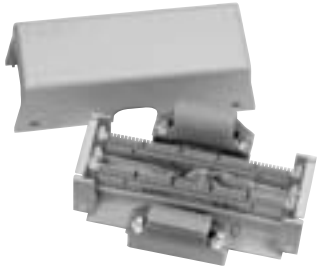
A0340837 BIX Frame

A0321776 Universal BIX-PAC Version 10-10



A0318897 BIX PAC Enclosure

A0327326 BIX Trunk Access Block



BIX Distribution Frame

BIX Distribution Frames provide a compact mounting unit for large cross-connect installations. The QFBIX24E BIX Frame can accommodate up to 16 QMBIX12E 300-pair mounts, eight on the vertical side and eight on the horizontal side. The QFBIX24E BIX Frame has a capacity of 4800-pair. The QFBIX24A BIX Frame can accommodate up to 16 QMBIX10A 250-pair mounts, eight on the vertical side and eight on the horizontal side. The QFBIX24A BIX Frame has a capacity of 4000-pair.

The BIX Frame End Kit consists of eight cable trays and eight distribution rings plus appropriate mounting hardware. One kit is required to support cross-connect wires on the sides of the shelves in a single-frame installation or on the end frames of a multi-frame installation.

The Distribution Rings are plastic rings used to manage cross-connect wires.

Universal BIX-PAC

The Universal BIX-PAC provides a fast, factory-wired, pre-tested and easy-to-install method of terminating wiring for the voice environment. A typical application for this product is in the main distribution terminal system or the riser terminal system, where it can provide connectivity and cross-connection for up to 250 pairs. The units come equipped with up to 10 QCBIX1A Connectors and 10 fifty-pin type telco connectors for the termination of connectorized cables. Also available is a BIX-PAC Enclosure, which is a fire-retardant polystyrene structural foam box that can house one BIX-PAC. The enclosure has a snap-on cover and removable panels for cable entry on top, bottom and sides.

BIX Trunk Access Block

BIX Trunk Access Blocks provide a fast, factory-wired, pre-tested and easy-to-install method for demarcation or testing points on customer premises. Typical applications are in the building entrance system or the main distribution terminal system, where the demarcation point between the network provider and the customer equipment usually can be found.

Description	Belden Part Number
BIX Cross-Connect System	
BIX Distribution Frame	
BIX Distribution Frame, 4800-pair (4 Shelves for 16 Mounts, 300-pair)	**A0340837**
BIX Distribution Frame, 4000-pair (4 Shelves for 16 Mounts, 250-pair)	**A0275511**
BIX Distribution Frame Accessories	
BIX Distribution Frame Accessories, End Kit (4 Shelves)	**A0275512***
BIX Distribution Frame Accessories, Distribution Ring	**P0596540***
Universal BIX-PAC	
Universal BIX-PAC, 10-8, 8 RJ21X Female to 8 QCBIX1A Connectors	**A0321775**
Universal BIX-PAC, 10-10, 10 RJ21X Female to 10 QCBIX1A Connectors	**A0321776**
BIX PAC Enclosure	
BIX PAC Enclosure, Gray	**A0318897**
BIX Trunk Access Block	
BIX Trunk Access Block, 1 RJ21X Female to 1 QCBIX1A Connector	**A0327325**
BIX Trunk Access Block, 2 RJ21X Female to 2 QCBIX1A Connector	**A0327326**

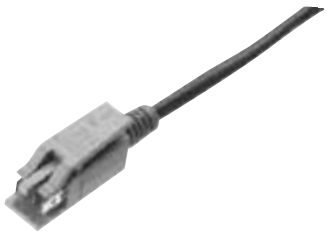
*Eight Distribution Rings come as part of the BIX Distribution Frame End Kit. Additional Distribution Rings can be ordered separately. Use (1) end kit per row of frames.

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

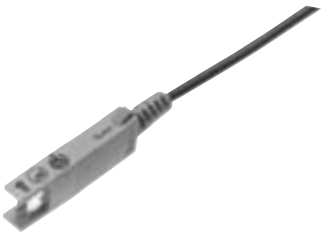
BIX Cross-Connect System

BIX Patch Cords and B-Plus Cross-Connect Wire

A0410494 BIX Patch Cord, BIX-BIX, 2-pair



A0410469 BIX Patch Cord, BIX-BIX, 1-pair



22208260 B-Plus Cross-Connect Wire

BIX Patch Cords

BIX Patch Cords allow for high-density connections, coupled with flexibility for cost-effective installation and administration. Installation and rearrangement of patch cords do not require any special tools or training. BIX Patch Cord plugs terminate directly into QCBIX1A/1A4 connectors.

B-Plus Cross-Connect Wire

B-Plus Cross-Connect Wire is intended primarily for use between incoming cables and station equipment in a Telecommunications Room or at a Main Cross-Connect.

Z Cross-Connect Wire is intended primarily for use in voice applications such as cross-connecting PBX or Key Telephone system equipment to backbone or horizontal distribution cables.

Description	Belden Part Number
BIX Cross-Connect System	
BIX Patch Cord	
BIX Patch Cord, BIX-BIX, 2-pair, 1.2 m (4 ft.)	**A0410494**
BIX Patch Cord, BIX-BIX, 1-pair, 1.2 m (4 ft.)	**A0410469**
BIX Patch Cord, BIX-BIX, 2-pair, 2.1 m (7 ft.)	**A0410495**
BIX Patch Cord, BIX-BIX, 1-pair, 2.1 m (7 ft.)	**A0410471**
BIX Patch Cord, BIX-BIX, 2-pair, 3.0 m (10 ft.)	**A0410496**
BIX Patch Cord, BIX-BIX, 1-pair, 3.0 m (10 ft.)	**A0410473**
BIX Patch Cord, BIX-BIX, 2-pair, 4.6 m (15 ft.)	**A0410497**
BIX Patch Cord, BIX-BIX, 1-pair, 4.6 m (15 ft.)	**A0410475**
BIX Patch Cord, BIX-BIX, 1-pair, 7.6 m (25 ft.)	**A0410493**
For 4-pair connections, please see the GigaBIX Patch Cord section.	
B-Plus Cross-Connect Wire	
24 AWG, 1-pair, Wh/Bl, 305 m (1000 ft.), K-Carton	**22208250**
24 AWG, 1-pair, Wh/Bl, 305 m (1000 ft.), Spool (S77)	**22208253**
24 AWG, 2-pair, Wh/Bl/Wh/Or, 305 m (1000 ft.), K-Carton	**22208260**
24 AWG, 2-pair, Wh/Gr/Wh/Or, 305 m (1000 ft.), K-Carton	**22208231**
24 AWG, 3-pair, Wh/Bl/Wh/Or/Wh/Gr, 152 m (500 ft.), K-Carton	**22208265**
24 AWG, 3-pair, Wh/Bl/Wh/Or/Wh/Gr, 200 m, K-Carton	**22208235**
24 AWG, 4-pair, Wh/Bl/Wh/Or/Wh/Gr/Wh/Br, 152 m (500 ft.), K-Carton	**22208270**
Z Cross-Connect Wire	
Z Cross-Connect Wire, 24 AWG, 1-pair, Bl/Ye, 300 m (984 ft.), Spool	**22208010**
Z Cross-Connect Wire, 24 AWG, 1-pair, Bl/Rd, 300 m (984 ft.), Spool	**22208067**

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