

6.2.1-A BIX Distribution Connector



QCBI1A Connector



QCBI1A4 Connector

DESCRIPTION

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. The connector is built with two staggered rows of IDC clips enclosed in a three-layer construction of fire-retardant plastic wafers. Pair splitters on each side of the connector facilitate wire insertion.

FEATURES & BENEFITS

- Robust and installer-friendly design to reduce installation costs
- High-density connector to reduce installation space requirements
- Staggered IDC clips to ensure superior transmission performance
- Built-in pair splitters to facilitate wire insertion
- Fully enclosed clips in plastic housing to prevent injuries and protect connections
- Snap into BIX Mounts for easy insertion and removal
- Mix and match modular flexibility to accommodate different installation size requirements.

ORDERING INFORMATION

6.2.1-A BIX Distribution Connector

DETAIL	PRODUCT CODE	ORDERING NUMBER
25-pair, 5-pair Marking	QCBI1A	A0266828
25-pair, 4-pair Marking	QCBI1A4	A0393146

APPLICATIONS

- Horizontal distribution or equipment terminations in telecommunications rooms and main distribution rooms
- Interconnection terminations in consolidation points.

TECHNICAL SPECIFICATIONS

Physical Characteristics

Dimensions (H x W x D)

9.4 x 168.4 x 32.77 mm (0.37 x 6.63 x 1.29 in.).

Materials

- Housing material: fire-retardant thermoplastic rated UL94V-0, beige
- IDC clip: copper alloy with tin plating over nickel.

Mechanical Characteristics

IDC Clip

- Gas-tight connection — insulation slicing of 22, 24 and 26 AWG (0.64, 0.5 and 0.4 mm) plastic insulated solid copper conductors
- Durability: 200 insertions of any combination of wire gauge.

Electrical Characteristics

- Dielectric strength: 1,000 V RMS at 60 Hz for 1 minute
- Current rating: 1.5 A maximum
- Insulation resistance: 100 M minimum between clips
- Contact resistance: 1 m per contact.

INSTALLATION TIPS

- Plan the telecommunications room layout prior to cross-connect installation
- Use the QCBI1A Connector for terminating multi-pair cables
- Use the QCBI1A4 Connector for terminating 4-pair cables
- Label each connector carefully for future reference and ease of administration.
- Connection made using the BIX Connecting Tool.

PACKAGING

- 20 units packaged in a cardboard box
- Standard shipping carton of 200 units (10 boxes).

COMPLEMENTARY PRODUCTS

BIX Distribution Connector
6.2.1-A

IBDN
Copper Solutions

BIX
Cross-Connect System
Mounts

BIX Mount
6.2.4-A

Accessories

BIX Cable Tie
6.2.15-E

Designation Strip

BIX Designation Strip
6.2.16-A