

**6.2.1-A BIX Distribution Connector**

A0266828 QCBIX1A Connector



A0393146 QCBIX1A4 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	UPC	ORDERING NUMBER
5-pair Marking	628575039890	A0266828
4-pair Marking	628575041688	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 MΩ minimum between clips
- Contact resistance: 1 mΩ per contact.

**INSTALLATION TIPS**

- Plan the telecommunications room layout prior to cross-connect installation
- Use the QCBIX1A Connector for terminating multi-pair cables
- Use the QCBIX1A4 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**

BIX Patch Cords

BIX Patch Cord  
**6.2.10-A**

Designation Strip

BIX Designation Strip  
**6.2.16-A**