

## AX104139 Modular Connectors - 10GX IDC Connecting Block



For more Information  
please call

1-800-Belden1



### General Description:

10GX IDC Connecting Block 4-PAIR

### Usage (Overall)

<b>Suitable Applications:</b>	Compatible with Cross-Connect application or Consolidation Point Application, IBDN System 10GX, TIA Category 6A, ISO Class EA, 10GBASE-T
<b>Related Parts:</b>	10GX IDC Patch Panels, 10GX Front X-Bar , 10GX Rear X-Bar

### Multi Conductor

Physical Characteristics  
Overall Cabling  
Overall Diameter

### Physical Characteristics (Connectivity)

#### Dimensions

Dimensions:

Height (in.)	Width (in.)	Depth (in.)
1.100	0.760	0.940

#### Materials

Materials:

Description	Type	Material
Front Connection	IDC	Phosphor Bronze with Tin Plating over Nickel
Rear Connection	IDC	Phosphor Bronze with Tin Plating over Nickel
Connector Body	N/A	Plastic - UL94V-0

#### Color

Color: Gray

#### Wiring Scheme

Wiring Scheme: T568A/B-T568A/B

#### Weight

Weight: 0.033 lbs.

#### Packaging

Packaging: packaged 24 items in a clear plastic bag.

### Mechanical Characteristics (Connectivity)

Termination Interface:

Termination	Connection	Durabilities
Front	IDC Connection	200 cycles
Rear	IDC Connection	200 cycles

Connector/Hardware Retention: 20 lbs.

Storage Temperature Range: -40°C To +70°C

Installation Temperature Range: -10°C To +60°C

Operating Temperature Range: -10°C To +60°C

Tool Compatibility: Gigaflex Connecting Tool (AX100749)

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/22/2008
MII Order #39 (China RoHS):	EUP 50
Telecommunications Standards:	Category 6A - TIA 568.B.2-10, ISO/IEC 11801:2002 Amendment 2
Safety Listing:	Bi-national Standard Listed

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### Suitability

Suitability - Indoor: Yes

### Plenum/Non-Plenum

### Transmission Characteristics (Connectivity)

Mated Connection Table 1:

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden** (dB)	Min. NEXT TIA* (dB)	Min. NEXT Belden** (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)
1.000	0.100	0.100	75.000	85.000	75.000	85.000
4.000	0.100	0.100	75.000	85.000	71.100	85.000
8.000	0.100	0.100	75.000	85.000	65.000	85.000
10.000	0.100	0.100	74.000	85.000	63.100	85.000
16.000	0.100	0.100	69.900	85.000	59.000	85.000
20.000	0.100	0.100	68.000	85.000	57.100	85.000
25.000	0.100	0.100	66.000	85.000	55.100	85.000
31.250	0.110	0.110	64.100	85.000	53.200	85.000
62.500	0.160	0.160	58.100	84.080	47.200	81.100
100.000	0.200	0.200	54.000	80.000	43.100	77.000
200.000	0.280	0.280	48.000	73.980	37.100	71.000
250.000	0.320	0.320	46.000	72.040	35.100	69.000
300.000	0.350	0.350	42.900	70.460	33.600	67.500
400.000	0.400	0.400	37.900	67.960	31.100	65.000
500.000	0.450	0.450	34.000	66.020	29.100	63.000
625.000		0.500		64.080		61.100

Mated Connection Table - Footnote:

\* TIA/EIA-568-B.2-10-2008 Cqcategory 6A Standard \*\* Worst-case performance for a 10XGX IDC - Connecting Hardware

Mated Connection Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. PSANEXT TIA* (dB)	Min. PSANEXT Belden** (dB)	Min. PSAACRF TIA* (dB)	Min. PSAACRF Belden** (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Belden** (dB)
1.000	30.000	35.000	70.500	80.000	67.000	72.000	40.000	50.000
4.000	30.000	35.000	70.500	80.000	67.000	72.000	40.000	50.000
8.000	30.000	35.000	70.500	80.000	67.000	72.000	40.000	50.000
10.000	30.000	35.000	70.500	80.000	67.000	72.000	40.000	50.000
16.000	30.000	35.000	70.500	80.000	67.000	72.000	40.000	50.000
20.000	30.000	35.000	70.500	80.000	67.000	72.000	40.000	50.000
25.000	30.000	35.000	70.500	80.000	67.000	72.000	40.000	50.000
31.250	30.000	35.000	70.500	80.000	67.000	72.000	38.100	50.000
62.500	30.000	35.000	70.500	79.100	67.000	72.000	32.100	47.100
100.000	28.000	35.000	70.500	75.000	67.000	72.000	28.000	43.000
200.000	22.000	29.000	64.500	69.000	61.000	66.000	22.000	37.000
250.000	20.000	27.000	62.500	67.000	59.000	64.000	20.000	35.000
300.000	18.500	25.500	61.000	65.500	57.500	62.500	18.500	33.500
400.000	16.000	23.000	58.500	63.000	55.000	60.000	16.000	31.000
500.000	14.000	21.000	56.500	61.000	53.000	58.000	14.000	29.000
625.000		19.100		59.100		56.100		27.100

**Dielectric Strength:** 1,000 V RMS @ 60 Hz for 1 minute

**Current Rating:** 1.500 A

**Insulation Resistance:** 500 M-Ohm Minimum

**Termination Resistance:** 2.5 m-Ohm

### Notes (Overall)

**Notes:** For proper installation refer to Installation Guide PX105081 included with the product or visit our web site at <http://www.belden.com>

### Product Family

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX104139	1 EA	0.008 KG			10GX IDC CONNECTING BLOCK

## AX104139 Modular Connectors - 10GX IDC Connecting Block

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