

## CAF1100000 Cable Assemblies - 10GX Shielded Modular Cord



For more Information  
please call

1-800-Belden1



### General Description:

10GX Shielded Patchcord, Bonded-Pair, 4 Pair, 24 AWG Solid, CMR, T568A/B-T568A/B

### Usage (Overall)

Suitable Applications:	IBDN Shielded System 10GX, TIA Category 6A, ISO Class EA, 10GBASE-T
Related Parts:	10GX Shielded Modular Jacks, 10GX Shielded Couplers, 10GX Shielded Patch Panels

### Multi Conductor

#### Physical Characteristics

##### Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
8	4	24	Solid	BC - Bare Copper

##### Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

##### Inner Jacket

Inner Jacket Material:

Inner Jacket Material
PVC - Polyvinyl Chloride

##### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material
Shield	Foil	AL - Aluminum

##### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cabling

Overall Cabling Fillers: Cross Web

### Overall Diameter

Overall Nominal Diameter: 0.275 in.  
Individual Cable Diameter: 0.275 in.

### Physical Characteristics (Connectivity)

#### Materials

Materials:

Description	Type	Material
Plug	RJ45	Polycarbonate
Boot		Lexan
Front Connection	Blades	Phosphor Bronze with 50u inch Gold over Nickel Plating

#### Color

Boot Color: Translucent

### Wiring Scheme

Wiring Scheme: T568A/B-T568A/B

### Packaging

Packaging: Individually packaged in a clear plastic bag.

### Mechanical Characteristics (Connectivity)

Plug / Jack Compatibility: RJ45

## CAF1100000 Cable Assemblies - 10GX Shielded Modular Cord

**Termination Interface:**

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

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

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

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

Max. Recommended Pull Tension: 11.250 lbs.

Min. Bend Radius (Overall Cable): 2.200 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

UL Rating: Riser

Other Standards: FCC Part 68, Subpart F, IEC 60603-7

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2006

MIL Order #39 (China RoHS): EUP 50

Telecommunications Standards: Category 6A - TIA 568.C.2, Class EA - ISO/IEC 11801:2002 Amendment 2

Safety Listing: Bi-national Standard Listed

#### Suitability

Suitability - Indoor: Yes

### Transmission Characteristics (Connectivity)

Performance Table 1:

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden (dB)	Min. PSNEXT TIA* (dB)	Min. PSNEXT Belden (dB)	Min. PSACRF TIA* (dB)	Min. PSACRF Belden (dB)
1.000	2.500	2.400	72.300	72.300	64.800	64.800
4.000	4.600	4.500	63.300	63.300	52.800	52.800
8.000	6.400	6.300	58.800	58.800	46.700	46.700
10.000	7.100	7.000	57.300	57.300	44.800	44.800
16.000	9.000	8.900	54.200	54.300	40.700	40.700
20.000	10.100	10.000	52.800	52.800	38.800	38.800
25.000	11.300	11.100	51.300	51.300	36.800	36.800
31.250	12.600	12.500	49.900	49.900	34.900	34.900
62.500	18.000	17.900	45.400	45.400	28.900	28.900
100.000	22.900	22.800	42.300	42.300	24.800	24.800
200.000	33.100	33.000	37.800	37.800	18.800	20.900
250.000	37.300	37.200	36.300	36.300	16.800	16.800
300.000	41.200	41.000	35.100	35.200	15.300	15.300
400.000	48.100	48.000	33.300	33.300	12.800	13.900
500.000	54.400	54.300	31.800	31.800	10.800	11.700
625.000		61.500		30.400		8.800

Performance Table - Footnote:

100 meter Cable Specifications - \* TIA/EIA-568-C.2 Category 6A Standard

Performance Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden (dB)	Min. PSANEXT TIA* (dB)	Min. PSANEXT Belden (dB)	Min. PSAACR-F TIA* (dB)	Min. PSAACR-F Belden (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Belden (dB)
1.000	20.000	20.000	67.000	87.000	67.000	75.000	40.000	48.000
4.000	23.000	23.000	67.000	87.000	66.200	75.000	40.000	48.000
8.000	24.500	24.500	67.000	87.000	60.100	75.000	40.000	48.000
10.000	25.000	25.000	67.000	87.000	58.200	75.000	40.000	48.000
16.000	25.000	25.000	67.000	87.000	54.100	74.100	38.000	46.000
20.000	25.000	25.000	67.000	87.000	52.200	72.200	37.000	45.000
25.000	24.200	25.000	67.000	87.000	50.200	70.200	36.000	44.000
31.250	23.300	25.000	67.000	87.000	48.300	68.300	35.100	43.100
62.500	20.700	25.000	65.600	85.600	42.300	62.300	32.000	40.000
100.000	19.000	25.000	62.500	82.500	38.200	58.200	30.000	38.000
200.000	16.400	21.000	58.000	78.000	32.200	52.200	27.000	35.000
250.000	15.600	20.500	56.500	76.500	30.200	50.200	26.000	34.000
300.000	14.900	20.100	55.300	75.300	28.700	48.700	25.200	33.200
400.000	13.800	19.500	53.500	73.500	26.200	46.200	24.000	32.000
500.000	13.000	18.400	52.000	72.000	24.200	44.400	23.000	31.000

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625.000		17.400		65.000		40.000	
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<b>Dielectric Strength:</b>	1,000 V RMS @ 60 Hz for 1 minute
<b>Current Rating:</b>	1.500 A
<b>Insulation Resistance:</b>	500 M-Ohm Minimum
<b>Max. Contact Resistance:</b>	20 m-Ohm

### Electrical Characteristics (Overall)

### Labeling

<b>Labeling:</b>	Labeling: Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length.
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### Notes (Overall)

**Notes:** CAF1100000 is subdivided as following CA-F1-1-00-000 CA stands for performance, F1 stands for cable type, 1 stands for termination type, 00 stands for color, 000 stands for length Use last 3 digits of the code to specify length in feet - 001-015 ft in increments of 1 ft than 20 ft or 25 ft

<b>Notes (Cont'd.):</b>	Cable Weight: 0.033 lbs/ft.
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### Product Family

#### Product List:

Length	Blue	Gray	White	Black
1 ft. (0.3 m)	CAF1106001	CAF1108001	CAF1109001	CAF1100001
2 ft. (0.6 m)	CAF1106002	CAF1108002	CAF1109002	CAF1100002
3 ft. (0.9 m)	CAF1106003	CAF1108003	CAF1109003	CAF1100003
4 ft. (1.2 m)	CAF1106004	CAF1108004	CAF1109004	CAF1100004
5 ft. (1.5 m)	CAF1106005	CAF1108005	CAF1109005	CAF1100005
6 ft. (1.8 m)	CAF1106006	CAF1108006	CAF1109006	CAF1100006
7 ft. (2.1 m)	CAF1106007	CAF1108007	CAF1109007	CAF1100007
8 ft. (2.4 m)	CAF1106008	CAF1108008	CAF1109008	CAF1100008
9 ft. (2.7 m)	CAF1106009	CAF1108009	CAF1109009	CAF1100009
10 ft. (3.0 m)	CAF1106010	CAF1108010	CAF1109010	CAF1100010
11 ft. (3.4 m)	CAF1106011	CAF1108011	CAF1109011	CAF1100011
12 ft. (3.7 m)	CAF1106012	CAF1108012	CAF1109012	CAF1100012
13 ft. (4.0 m)	CAF1106013	CAF1108013	CAF1109013	CAF1100013
14 ft. (4.3 m)	CAF1106014	CAF1108014	CAF1109014	CAF1100014
15 ft. (4.6 m)	CAF1106015	CAF1108015	CAF1109015	CAF1100015
20 ft. (6.1 m)	CAF1106020	CAF1108020	CAF1109020	CAF1100020
25 ft. (7.6 m)	CAF1106025	CAF1108025	CAF1109025	CAF1100025

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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