

## CAF1100000A06 Cable Assemblies - 10GX Shielded Pre-Terminated Cable Assembly



For more Information  
please call

1-800-Belden1



### General Description:

10GX Shielded Pre-Terminated Cable Assembly, Bonded-Pair, 4-Pair, 23 AWG Solid, T568A/B-T568A/B, 6 Cables, CMR

### Usage (Overall)

Suitable Applications:	IBDN Shielded System 10GX, TIA Category 6A, 10GBASE-T
Related Parts:	10GX Shielded Modular Jacks, 10GX Shielded RJ45 Couplers, 10GX Shielded Coupler Patch Panels

### Multi Conductor

#### Physical Characteristics

##### Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
8	4	23	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

Outer Jacket Color Code Chart:

Color
Black

### Overall Cabling

Overall Cabling Fillers: Cross Web

### Overall Diameter

Overall Nominal Diameter: 1 in.

Individual Cable Diameter: 0.295 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
Sleeve		Engineered Polymer Riser Rated

#### Color

Boot Color: Translucent

### Wiring Scheme

Wiring Scheme: T568A/B-T568A/B

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### Packaging

Packaging: Individually packaged in a box.

### Mechanical Characteristics (Connectivity)

Plug / Jack Compatibility: RJ45

#### Termination Interface:

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

Max. Recommended Pull Tension: 11.250 lbs.

Min. Bend Radius (Overall Cable): 1.040 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): 01/01/2009

MII 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	2.100	2.100	72.300	72.300	64.800	64.800
4.000	3.800	3.800	63.300	63.300	52.800	52.800
8.000	5.300	5.300	58.800	58.800	46.700	46.700
10.000	5.900	5.900	57.300	57.300	44.800	44.800
16.000	7.500	7.500	54.200	54.300	40.700	40.700
20.000	8.400	8.400	52.800	52.800	38.800	38.800
25.000	9.400	9.400	51.300	51.300	36.800	36.800
31.250	10.500	10.500	49.900	49.900	34.900	34.900
62.500	15.000	15.000	45.400	45.400	28.900	28.900
100.000	19.100	19.100	42.300	42.300	24.800	24.800
200.000	27.600	27.600	37.800	37.800	18.800	20.900
250.000	31.100	31.100	36.300	36.300	16.800	16.800
300.000	34.300	34.300	35.100	35.200	15.300	15.300
400.000	40.100	40.100	33.300	33.300	12.800	13.900
500.000	45.300	45.300	31.800	31.800	10.800	11.700
625.000		51.200		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

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500.000	13.000	18.400	52.000	72.000	24.200	44.200	23.000	31.000
625.000		17.400		65.000		35.000		

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

**Current Rating:** 1.500 A

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

**Max. Contact Resistance:** 20 m-Ohm

### Electrical Characteristics (Overall)

#### Labeling

**Labeling:** Labeled at both ends: Part Number, Serial Number, Termination Scheme, Length, Individual cable identification. Customized Labeling for cable assemblies optional upon request.

#### Notes (Overall)

**Notes:** CAF1100015A06 is subdivided as following CA-F1-1-00-015-A-06 where CA stands for Cat 6A performance, F1 stands for jacket type Shielded, 1 stands for termination type, 00 stands for color, 015 stands for length in feet, A stands for assembly, and 06 stands for number of cables

**Notes (Cont'd.):** Use 3-digits 'xxx' to specify length in feet; Available from 6 ft (006) to 50 ft (050) in increments of 1 ft and 55 ft (055) to 295 ft (295) in increments of 5 ft

#### Product Family

##### Product List:

Length	Blue	Gray	White	Black
15 ft. (4.6 m)	CAF1106015A06	CAF1108015A06	CAF1109015A06	CAF1100015A06
25 ft. (7.6 m)	CAF1106025A06	CAF1108025A06	CAF1109025A06	CAF1100025A06
35 ft. (10.6 m)	CAF1106035A06	CAF1108035A06	CAF1109035A06	CAF1100035A06
50 ft. (15.2 m)	CAF1106050A06	CAF1108050A06	CAF1109050A06	CAF1100050A06
xxx	CAF1106xxxA06	CAF1108xxxA06	CAF1109xxxA06	CAF1100xxxA06

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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