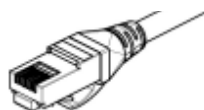
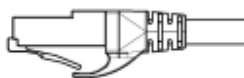


CA22100000 Cable Assemblies - 10GX Modular Cord



For more Information
please call

1-800-Belden1

**General Description:**

10GX Patch Cord, Bonded-Pair, 4-Pair, 24 AWG Solid, CMP, T568A/B-T568A/B

Usage (Overall)**Suitable Applications:**

IBDN System 10GX, TIA Category 6A, ISO Class EA, 10GBASE-T, Support Power over Ethernet (up to 100W), Cisco UPOE (up to 60W) and Power over

Related Parts:

10GX Modular Jacks, 10GX Couplers, 10GX Patch Panels

Multi Conductor**Physical Characteristics****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
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 Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling**Overall Cabling Fillers:**

Cross Web

Overall Diameter**Overall Nominal Diameter:**

6.858 mm

Physical Characteristics (Connectivity)**Materials****Materials:**

Description	Type	Material
Plug	RJ45	Polycarbonate
Boot		Elastomer
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

CA22100000 Cable Assemblies - 10GX Modular Cord

Packaging: Individually packaged in a clear plastic bag.

Mechanical Characteristics (Connectivity)

Plug / Jack Compatibility: RJ45

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: 50.042 N

Min. Bend Radius (Overall Cable): 26.416 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating: Plenum

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

MII Order #39 (China RoHS): EUP 50

Telecommunications Standards: ISO/IEC 11801:2002 Amendment 2, Category 6A - ANSI/TIA 568.2-D

Safety Listing: c(UL)us Listed

Other Specification: CEC/C(UL) Voltage Rating: 300 V RMS

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-568.2-D 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

METRIC MEASUREMENT VERSION

CA22100000 Cable Assemblies - 10GX Modular Cord

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	70.900	38.000	46.000
20.000	25.000	25.000	67.000	87.000	52.200	69.000	37.000	45.000
25.000	24.200	25.000	67.000	87.000	50.200	67.000	36.000	44.000
31.250	23.300	25.000	67.000	87.000	48.300	65.100	35.100	43.100
62.500	20.700	25.000	65.600	85.600	42.300	59.100	32.000	40.000
100.000	19.000	25.000	62.500	82.500	38.200	55.000	30.000	38.000
200.000	16.400	21.000	58.000	78.000	32.200	49.000	27.000	35.000
250.000	15.600	20.500	56.500	76.500	30.200	47.000	26.000	34.000
300.000	14.900	20.100	55.300	75.300	28.700	43.800	25.200	33.200
400.000	13.800	19.500	53.500	73.500	26.200	38.800	24.000	32.000
500.000	13.000	18.400	52.000	72.000	24.200	35.000	23.000	31.000
625.000		17.400		65.000		31.100		

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: Labeling: Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length.

Notes (Overall)

Notes: CA22100000 is subdivided as following CA-22-1-00-000 CA stands for performance, 22 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

Notes (Cont'd.):

- Weight: 0.038 Lbs/ft.
- Cable with EquiBlock™ Barrier Technology

Product Family

Product List:

Length	Yellow	Green	Blue	Orange	White	Black
2 ft. (0.6 m)	CA22104002	CA22105002	CA22106002	CA22103002	CA22109002	CA22100002
3 ft. (0.9 m)	CA22104003	CA22105003	CA22106003	CA22103003	CA22109003	CA22100003
4 ft. (1.2 m)	CA22194004	CA22105004	CA22106004	CA22103004	CA22109004	CA22100004
5 ft. (1.5 m)	CA22104005	CA22105005	CA22106005	CA22103005	CA22109005	CA22100005
6 ft. (1.8 m)	CA22104006	CA22105006	CA22106006	CA22103006	CA22109006	CA22100006
7 ft. (2.1 m)	CA22104007	CA22105007	CA22106007	CA22103007	CA22109007	CA22100007
8 ft. (2.4 m)	CA22104008	CA22105008	CA22106008	CA22103008	CA22109008	CA22100008
9 ft. (2.7 m)	CA22104009	CA22105009	CA22106009	CA22103009	CA22109009	CA22100009
10 ft. (3.0 m)	CA22104010	CA22105010	CA22106010	CA22103010	CA22109010	CA22100010
12 ft. (3.6 m)	CA22104012	CA22105012	CA22106012	CA22103012	CA22109012	CA22100012
15 ft. (4.6 m)	CA22104015	CA22105015	CA22106015	CA22103015	CA22109015	CA22100015
25 ft. (7.6 m)	CA22104025	CA22105025	CA22106025	CA22103025	CA22109025	CA22100025

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 0 Revision Date: 10-02-2019

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CA22100000 Cable Assemblies - 10GX Modular Cord

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