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1-800-Belden1



General Description:

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

Usage (Overall)

| | |
|-------------------------------|--|
| Suitable Applications: | IBDN System 10GX, TIA Category 6A, ISO Class EA, 10GBASE-T. 20 and 40 sec. flashing high intensity LED Battery operated (included), push button activated. |
| Related Parts: | 10GX Modular Jacks, 10GX RJ45 Couplers, 10GX Patch Panels |

Multi Conductor

Physical Characteristics

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 4 | 24 | Solid | BC - Bare Copper |
| 1 | 30 | Solid | BC - Bare Copper |

Insulation

Insulation Material:

| Insulation Material |
|---------------------|
| PO - Polyolefin |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material |
|-------------------------|------|-----------------------|
| Floating Screen | 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: 0.265 in.

Physical Characteristics (Connectivity)

Materials

Materials:

| Description | Type | Material |
|-------------|--------|--|
| Plug | RJ45 | Polycarbonate |
| Boot | | Elastomer |
| Contacts | 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

Termination Interface:

| Termination | Connection | Durabilities |
|-------------|------------------|--------------|
| RJ45 | Mated Connection | 750 Cycles |

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

CAT1100000 Cable Assemblies - 10GX Modular Cord

| | |
|-----------------------------------|----------------|
| Installation Temperature Range: | -10°C To +60°C |
| Operating Temperature Range: | -10°C To +60°C |
| Max. Recommended Pull Tension: | 25 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): | 01/01/2006 |
| MIL Order #39 (China RoHS): | EUP 50 |
| Telecommunications Standards: | 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. PSAACRF TIA* (dB) | Min. PSAACRF 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.2-10-2008 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 | 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 |

CAT1100000 Cable Assemblies - 10GX Modular Cord

Max. Contact Resistance: 20 m-Ohm

Electrical Characteristics (Overall)

Labeling

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

Notes (Overall)

Notes: CAT1100000 is subdivided as following CA-T1-1-00-000 CA stands for performance, T1 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.): Cable Weight: 0.033 Lbs/ft. Power: One (1) battery CR927 3V. Lithium (replaceable). Shelf Life: 7 years (Battery), 20 years (Data Transmission). www.belden.com/p

Product Family

Product List:

| Length | Blue | Gray | White | Red | Yellow | Green | Black | Orange |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 ft. (0.3m) | CAT1106001 | CAT1108001 | CAT1109001 | CAT1102001 | CAT1104001 | CAT1105001 | CAT1100001 | CAT1103001 |
| 2 ft. (0.6 m) | CAT1106002 | CAT1108002 | CAT1109002 | CAT1102002 | CAT1104002 | CAT1105002 | CAT1100002 | CAT1103002 |
| 3 ft. (0.9 m) | CAT1106003 | CAT1108003 | CAT1109003 | CAT1102003 | CAT1104003 | CAT1105003 | CAT1100003 | CAT1103003 |
| 4 ft. (1.2 m) | CAT1106004 | CAT1108004 | CAT1109004 | CAT1102004 | CAT1104004 | CAT1105004 | CAT1100004 | CAT1103004 |
| 5 ft (1.5 m) | CAT1106005 | CAT1108005 | CAT1109005 | CAT1102005 | CAT1104005 | CAT1105005 | CAT1100005 | CAT1103005 |
| 6 ft (1.8 m) | CAT1106006 | CAT1108006 | CAT1109006 | CAT1102006 | CAT1104006 | CAT1105006 | CAT1100006 | CAT1103006 |
| 7 ft. (2.1 m) | CAT1106007 | CAT1108007 | CAT1109007 | CAT1102007 | CAT1104007 | CAT1105007 | CAT1100007 | CAT1103007 |
| 8 ft (2.4 m) | CAT1106008 | CAT1108008 | CAT1109008 | CAT1102008 | CAT1104008 | CAT1105008 | CAT1100008 | CAT1103008 |
| 9 ft (2.7 m) | CAT1106009 | CAT1108009 | CAT1109009 | CAT1102009 | CAT1104009 | CAT1105009 | CAT1100009 | CAT1103009 |
| 10 ft. (3.0 m) | CAT1106010 | CAT1108010 | CAT1109010 | CAT1102010 | CAT1104010 | CAT1105010 | CAT1100010 | CAT1103010 |
| 11 ft. (3.4 m) | CAT1106011 | CAT1108011 | CAT1109011 | CAT1102011 | CAT1104011 | CAT1105011 | CAT1100011 | CAT1103011 |
| 12 ft (3.6 m) | CAT1106012 | CAT1108012 | CAT1109012 | CAT1102012 | CAT1104012 | CAT1105012 | CAT1100012 | CAT1103012 |
| 13 ft. (4.0 m) | CAT1106013 | CAT1108013 | CAT1109013 | CAT1102013 | CAT1104013 | CAT1105013 | CAT1100013 | CAT1103013 |
| 14 ft. (4.3 m) | CAT1106014 | CAT1108014 | CAT1109014 | CAT1102014 | CAT1104014 | CAT1105014 | CAT1100014 | CAT1103014 |
| 15 ft. (4.6 m) | CAT1106015 | CAT1108015 | CAT1109015 | CAT1102015 | CAT1104015 | CAT1105015 | CAT1100015 | CAT1103015 |
| 20 ft. (6.1 m) | CAT1106020 | CAT1108020 | CAT1109020 | CAT1102020 | CAT1104020 | CAT1105020 | CAT1100020 | CAT1103020 |
| 25 ft. (7.6 m) | CAT1106025 | CAT1108025 | CAT1109025 | CAT1102025 | CAT1104025 | CAT1105025 | CAT1100025 | CAT1103025 |
| xxx | CAT1106xxx | CAT1108xxx | CAT1109xxx | CAT1102xxx | CAT1104xxx | CAT1105xxx | CAT1100xxx | CAT1103xxx |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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