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1-800-Belden1



General Description:

CAT6+ Patch Cord, Bonded-Pair, 4 Pair, 24 AWG Solid, CMR, T568A/B-T568A/B, White, 3 ft. (0.9 m).

Usage (Overall)

| | |
|------------------------|---|
| Suitable Applications: | IBDN System 4800, IBDN System 2400, TIA Category 6, ISO Class E, 1000BASE-T |
| Related Parts: | CAT6+ Modular Jacks, CAT6+ 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 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket Color Code Chart:

| Color |
|-------|
| White |

Overall Cabling

| | |
|--------------------------|-----------|
| Overall Cabling Fillers: | Cross Web |
|--------------------------|-----------|

Overall Diameter

| | |
|----------------------------|-----------|
| Overall Nominal Diameter: | 0.238 in. |
| Individual Cable Diameter: | 0.250 in. |

Physical Characteristics (Connectivity)

Materials

Materials:

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

Color

| | |
|-------------|-------------|
| Boot Color: | Translucent |
|-------------|-------------|

Wiring Scheme

| | |
|----------------|-----------------|
| Wiring Scheme: | T568A/B-T568A/B |
|----------------|-----------------|

Weight

| | |
|---------|------------|
| Weight: | 0.060 lbs. |
|---------|------------|

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 |

C601109003 Cable Assemblies - CAT6+ Modular Cord

| | |
|-----------------------------------|----------------|
| 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: | 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 |
| MII Order #39 (China RoHS): | EUP 50 |
| Telecommunications Standards: | Category 6 - TIA 568.C.2, ISO/IEC 11801:2002 Ed.2 |
| Safety Listing: | ACA, 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 | 2.400 | 2.000 | 72.300 | 73.300 | 64.800 | 67.800 |
| 4.000 | 4.500 | 3.700 | 63.300 | 64.300 | 52.800 | 55.800 |
| 8.000 | 6.400 | 5.200 | 58.800 | 61.300 | 46.700 | 49.700 |
| 10.000 | 7.100 | 5.900 | 57.300 | 59.800 | 44.800 | 47.800 |
| 16.000 | 9.100 | 7.400 | 54.200 | 56.600 | 40.700 | 43.700 |
| 20.000 | 10.200 | 8.300 | 52.800 | 55.100 | 38.800 | 41.800 |
| 25.000 | 11.400 | 9.300 | 51.300 | 53.500 | 36.800 | 39.800 |
| 31.250 | 12.800 | 10.400 | 49.900 | 52.000 | 34.900 | 37.900 |
| 62.500 | 18.500 | 14.900 | 45.400 | 47.100 | 28.900 | 31.900 |
| 100.000 | 23.800 | 19.000 | 42.300 | 43.800 | 24.800 | 27.800 |
| 200.000 | 34.800 | 27.500 | 37.800 | 38.900 | 18.800 | 21.800 |
| 250.000 | 39.400 | 31.000 | 36.300 | 37.300 | 16.800 | 19.800 |
| 300.000 | | 34.200 | | 36.100 | | 18.300 |

Performance Table - Footnote:

100 Meter Cable Specifications - * TIA-EIA-568-C.2 Category 6 Standard ----- PSACRF is formally PSELFEXT

Performance Table 2:

| Frequency (MHz) | Min. Return Loss TIA* (dB) | Min. Return Loss Belden (dB) | Min. Balanced TCL TIA* (dB) | Min. Balanced TCL Belden (dB) |
|-----------------|----------------------------|------------------------------|-----------------------------|-------------------------------|
| 1.000 | 20.000 | 20.000 | 40.000 | 40.000 |
| 4.000 | 23.000 | 23.000 | 40.000 | 40.000 |
| 8.000 | 24.500 | 24.500 | 40.000 | 40.000 |
| 10.000 | 25.000 | 25.000 | 40.000 | 40.000 |
| 16.000 | 25.000 | 25.000 | 38.000 | 38.000 |
| 20.000 | 25.000 | 25.000 | 37.000 | 37.000 |
| 25.000 | 24.200 | 24.300 | 36.000 | 36.000 |
| 31.250 | 23.300 | 23.600 | 35.100 | 35.100 |
| 62.500 | 20.700 | 21.500 | 32.000 | 32.000 |
| 100.000 | 19.000 | 20.800 | 30.000 | 30.000 |
| 200.000 | 16.400 | 18.700 | 27.000 | 27.000 |
| 250.000 | 15.600 | 18.000 | 26.000 | 26.000 |
| 300.000 | | 17.500 | | |

| | |
|--------------------------|----------------------------------|
| 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 |

Notes (Overall)

C601109003 Cable Assemblies - CAT6+ Modular Cord

Notes: C601109003 is subdivided as following C6-01-1-09-003 C6 stands for performance, 01 stands for cable type, 1 stands for termination type, 09 stands for color, 003 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.): www.belden.com/p

Product Family

Product List:

| Length | Yellow | Green | Blue | Gray | White | Black | Purple |
|----------------|------------|------------|------------|------------|------------|------------|------------|
| 2 ft. (0.6 m) | C601104002 | C601105002 | C601106002 | C601108002 | C601109002 | C601100002 | C601107002 |
| 4 ft. (1.2 m) | C601104004 | C601105004 | C601106004 | C601108004 | C601109004 | C601100004 | C601107004 |
| 7 ft. (2.1 m) | C601104007 | C601105007 | C601106007 | C601108007 | C601109007 | C601100007 | C601107007 |
| 10 ft. (3.0 m) | C601104010 | C601105010 | C601106010 | C601108010 | C601109010 | C601100010 | C601107010 |
| 15 ft. (4.6 m) | C601104015 | C601105015 | C601106015 | C601108015 | C601109015 | C601100015 | C601107015 |
| 25 ft. (7.6 m) | C601104025 | C601105025 | C601106025 | C601108025 | C601109025 | C601100025 | C601107025 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|------------|-------|-------------|-------|-------|------------------------------|
| C601109003 | 1 EA | 0.129 LB | WHITE | | PATCHCORD BCAT6+ CMR WHI 3FT |

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Как с нами связаться

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