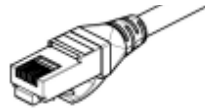


## C501106004 Cable Assemblies - CAT5E Modular Cord



For more Information  
please call

1-800-Belden1

**Description:**

CAT5E Patch Cord, Bonded-Pair, 4 Pair, 24 AWG Solid, CMR, T568A/B-T568A/B, Blue, 4 ft. (1.2 m).

**Usage (Overall)**

**Suitable Applications:** IBDN System 1200, TIA Category 5E, ISO Class D, 1000BASE-T, 100BASE-T

**Related Parts:** CAT5E Modular Jacks, CAT5E 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 |
|-------|
| Blue  |

**Overall Diameter**

**Overall Nominal Diameter:** 0.208 in.

**Individual Cable Diameter:** 0.240 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

**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   |

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 5e - TIA 568.B.2, Category 5 - 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                           | 62.300                | 65.300                  | 60.800                | 60.800                  |
| 4.000           | 4.900                         | 4.000                           | 53.300                | 56.300                  | 48.800                | 48.800                  |
| 8.000           | 6.900                         | 5.700                           | 48.800                | 51.800                  | 42.700                | 42.700                  |
| 10.000          | 7.800                         | 6.400                           | 47.300                | 50.300                  | 40.800                | 40.800                  |
| 16.000          | 9.900                         | 8.100                           | 44.200                | 47.300                  | 36.700                | 36.700                  |
| 20.000          | 11.100                        | 9.200                           | 42.800                | 45.800                  | 34.800                | 34.800                  |
| 25.000          | 12.500                        | 10.300                          | 41.300                | 44.300                  | 32.800                | 32.800                  |
| 31.250          | 14.100                        | 11.600                          | 39.900                | 42.900                  | 30.900                | 30.900                  |
| 62.500          | 20.400                        | 16.800                          | 35.400                | 38.400                  | 24.900                | 24.900                  |
| 100.000         | 26.400                        | 21.700                          | 32.300                | 35.300                  | 20.800                | 20.800                  |
| 160.000         |                               | 28.200                          |                       | 32.300                  |                       | 16.700                  |

Performance Table - Footnote: 100 Meter Cable Specifications - \* TIA-EIA-568-B.2 Category 5e Standard  
 ----- PSACRF is formally PSELFEXT

Performance Table 2:

| Frequency (MHz) | Min. Return Loss TIA* (dB) | Min. Return Loss Belden (dB) |
|-----------------|----------------------------|------------------------------|
| 1.000           | 20.000                     | 20.000                       |
| 4.000           | 23.000                     | 23.000                       |
| 8.000           | 24.500                     | 24.500                       |
| 10.000          | 25.000                     | 25.000                       |
| 16.000          | 25.000                     | 25.000                       |
| 20.000          | 25.000                     | 25.000                       |
| 25.000          | 24.200                     | 25.000                       |
| 31.250          | 23.300                     | 25.000                       |

**C501106004 Cable Assemblies - CAT5E Modular Cord**

|         |        |        |
|---------|--------|--------|
| 62.500  | 20.700 | 25.000 |
| 100.000 | 19.000 | 20.000 |
| 160.000 |        | 19.000 |

**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

**Notes (Overall)****Product Family****Product List:**

| Length         | Yellow     | Green      | Blue       | Gray       | White      | Black      |
|----------------|------------|------------|------------|------------|------------|------------|
| 2 ft. (0.6 m)  | C501104002 | C501105002 | C501106002 | C501108002 | C501109002 | C501100002 |
| 4 ft. (1.2 m)  | C501104004 | C501105004 | C501106004 | C501108004 | C501109004 | C501100004 |
| 7 ft. (2.1 m)  | C501104007 | C501105007 | C501106007 | C501108007 | C501109007 | C501100007 |
| 10 ft. (3.0 m) | C501104010 | C501105010 | C501106010 | C501108010 | C501109010 | C501100010 |
| 15 ft. (4.6 m) | C501104015 | C501105015 | C501106015 | C501108015 | C501109015 | C501100015 |
| 25 ft. (7.6 m) | C501104025 | C501105025 | C501106025 | C501108025 | C501109025 | C501100025 |

**Put Ups and Colors:**

| Item #     | Putup | Ship Weight | Color       | Notes | Item Desc                    |
|------------|-------|-------------|-------------|-------|------------------------------|
| C501106004 | 1 EA  | 0.129 LB    | BLUE, LIGHT |       | PATCHCORD BCAT5E CMR BLU 4FT |

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