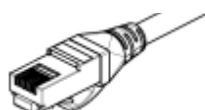


## C601106015 Cable Assemblies - CAT6+ Modular Cord



For more Information  
please call

1-800-Belden1

**Description:**

CAT6+ Patch Cord, Bonded-Pair, 4 Pair, 24 AWG Solid, CMR, T568A/B-T568A/B, Blue, 15 ft. (4.6 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 |
|-------|
| Blue  |

**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**

## C601106015 Cable Assemblies - CAT6+ Modular Cord

**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.

**Environmental/Mechanical Characteristics:**

| Test (Method)             | TIA 568-C.3                         | Belden                               |
|---------------------------|-------------------------------------|--------------------------------------|
| Thermal Cycling (FOTP-3)  | n/a                                 | -40 to 75°C cycling for 7 days       |
| Temperature Life (FOTP-4) | 60°C for 4 days                     | 85°C for 7 days                      |
| Humidity (FOTP-5)         | 90-95% a40°C for 4 days             | 95% a75°C for 7 days                 |
| Durability (FOTP-21)      | 500 cycles                          | 6 x 200 cycles (3 Elevations)        |
| Cable Retention (FOTP-6)  | 5.0 kg @ 0 deg., 1.94 kg @90 deg.   | 6.8 kg @ 0 deg., 3.4 kg @ 90 deg.    |
| Flex (FOTP-1)             | 0.5 kg @ 90° to -90° for 100 cycles | 0.9 kg @ =90° to -90° for 100 cycles |
| Twist (FOTP-36)           | 1.5 kg for 10 cycles                | 1.5 kg for 10 cycles                 |

**Overall Length Tolerances:**

| Range      | Max. Length Tolerance | Min. Length Tolerance |
|------------|-----------------------|-----------------------|
| 0 - 2m     | 0.2m                  | -0.0m                 |
| 2.1 - 4.9m | 0.3m                  | -0.0m                 |
| 5 - 40m    | 0.4m                  | -0.0m                 |
| Over 40m   | 1.0 percent           | -0.0 percent          |

**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)****Optical Connector Performance:**

| Description                 | Multimode PC Polish | Single-mode SPC Polish | Single-mode UPC Polish | Single-mode APC Polish |
|-----------------------------|---------------------|------------------------|------------------------|------------------------|
| Maximum Insertion Loss (dB) | 0.5                 | 0.5                    | 0.5                    | 0.5                    |
| Minimum Reflectance (dB)    | -20                 | -40                    | -55                    | -65                    |

**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                  |

## C601106015 Cable Assemblies - CAT6+ Modular Cord

|         |        |        |        |        |        |        |
|---------|--------|--------|--------|--------|--------|--------|
| 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)

**Notes:** C601106015 is subdivided as following C6-01-1-06-015 C6 stands for performance, 01 stands for cable type, 1 stands for termination type, 06 stands for color, 015 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

## 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                     |
|------------|-------|-------------|-------------|-------|-------------------------------|
| C601106015 | 1 EA  | 0.485 LB    | BLUE, LIGHT |       | PATCHCORD BCAT6+ CMR BLU 15FT |

## C601106015 Cable Assemblies - CAT6+ Modular Cord

Revision Number: 1    Revision Date: 02-14-2010

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