

## C601109003 Cable Assemblies - CAT6+ Modular Cord



For more Information  
please call

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                                        |
| MIL 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-U1-1-09-003 C6 stands for performance, U1 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 |

Revision Number: 0 Revision Date: 03-11-2014

© 2014 Belden, Inc  
 All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[C601109003](#)