



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, Blue, 7 ft. (2.1 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:** 5.715 mm

### Physical Characteristics (Connectivity)

#### Materials

##### Materials:

Description	Type	Material
Plug	RJ45	Polycarbonate
Boot		Elastomer
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:** 0.027 kg

## 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:** 111.205 N

**Min. Bend Radius (Overall Cable):** 26.416 mm

## 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

**Other Specification:** UL 1863

### 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

## C601106007 Cable Assemblies - CAT6+ Modular Cord

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

### Labeling

**Labeling:** Labeling: Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length.

### Notes (Overall)

**Notes:** C601106007 is subdivided as following C6-01-1-06-007 C6 stands for performance, 01 stands for cable type, 1 stands for termination type, 06 stands for color, 007 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](http://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
C601106007	1 EA	0.254 LB	BLUE, LIGHT		PATCHCORD BCAT6+ CMR BLU 7FT

Revision Number: 1    Revision Date: 01-07-2016

© 2022 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.