

C6T1100000 Cable Assemblies - CAT6+ Modular Cord



For more Information
please call

1-800-Belden1



General Description:

CAT6+ Traceable Patch Cord, Bonded-Pair, 4-Pair, 24 AWG Solid, CMR, T568A/B-T568A/B

Usage (Overall)

Suitable Applications:	IBDN System 4800, IBDN System 3600, IBDN System 2400, TIA Category 6, ISO Class E, 1000BASE-T, 20 and 40 sec. flashing high intensity LED Battery operated (included), push button activated.
Related Parts:	CAT6+ Modular Jacks, CAT6+ RJ45 Couplers, CAT6+ Patch Panels

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	24	Solid	BC - Bare Copper
1	30	Solid	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

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

Overall Diameter

Overall Nominal Diameter:	0.238 in.
----------------------------------	-----------

Physical Characteristics (Connectivity)

Materials

Materials:

Description	Type	Material
Plug	RJ45	Polycarbonate
Boot		Elastomer
Contacts	Blades	Phosphor Bronze with 50u inch Gold over Nickel Plating

Color

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

Wiring Scheme

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

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.
---------------------------------------	---------

C6T1100000 Cable Assemblies - CAT6+ Modular Cord

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:	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	2.400	72.300	73.300	64.800	67.800
4.000	4.500	4.500	63.300	64.300	52.800	55.800
8.000	6.400	6.300	58.800	61.300	46.700	49.700
10.000	7.100	7.000	57.300	59.800	44.800	47.800
16.000	9.100	8.900	54.200	56.600	40.700	43.700
20.000	10.200	10.000	52.800	55.100	38.800	41.800
25.000	11.400	11.100	51.300	53.500	36.800	39.800
31.250	12.800	12.500	49.900	52.000	34.900	37.900
62.500	18.500	17.900	45.400	47.100	28.900	31.900
100.000	23.800	22.800	42.300	43.800	24.800	27.800
200.000	34.800	33.000	37.800	38.900	18.800	21.800
250.000	39.400	37.200	36.300	37.300	16.800	19.800
300.000		41.000		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

Electrical Characteristics (Overall)

Labeling

Labeling:	Labeling: Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length. Serial Number Barcode Label.
-----------	--

Notes (Overall)

C6T1100000 Cable Assemblies - CAT6+ Modular Cord

Notes: C6T1100000 is subdivided as following C6-11-1-00-000 C6 stands for performance, 11 stands for cable type, 1 stands for termination type, 00 stands for color, 000 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. xxx stands for special required length.

Notes (Cont'd.):

Cable Weight: 0.027 lbs/ft. Power: One (1) battery CR927 3V. Lithium (replaceable). Shelf Life: 7 years (Battery), 25 years (Data Transmission). www.belden.com/p

Product Family

Product List:

Length	Blue	Gray	White	Red	Yellow	Green	Black
1 ft. (0.3 m)	C6T1106001	C6T1108001	C6T1109001	C6T1102001	C6T1104001	C6T1105001	C6T1100001
2 ft. (0.6 m)	C6T1106002	C6T1108002	C6T1109002	C6T1102002	C6T1104002	C6T1105002	C6T1100002
3 ft. (0.9 m)	C6T1106003	C6T1108003	C6T1109003	C6T1102003	C6T1104003	C6T1105003	C6T1100003
4 ft. (1.2 m)	C6T1106004	C6T1108004	C6T1109004	C6T1102004	C6T1104004	C6T1105004	C6T1100004
5 ft. (1.5 m)	C6T1106005	C6T1108005	C6T1109005	C6T1102005	C6T1104005	C6T1105005	C6T1100005
6 ft. (1.8 m)	C6T1106006	C6T1108006	C6T1109006	C6T1102006	C6T1104006	C6T1105006	C6T1100006
7 ft. (2.1 m)	C6T1106007	C6T1108007	C6T1109007	C6T1102007	C6T1104007	C6T1105007	C6T1100007
8 ft. (2.4 m)	C6T1106008	C6T1108008	C6T1109008	C6T1102008	C6T1104008	C6T1105008	C6T1100008
9 ft. (2.7 m)	C6T1106009	C6T1108009	C6T1109009	C6T1102009	C6T1104009	C6T1105009	C6T1100009
10 ft. (3.0 m)	C6T1106010	C6T1108010	C6T1109010	C6T1102010	C6T1104010	C6T1105010	C6T1100010
11 ft. (3.4 m)	C6T1106011	C6T1108011	C6T1109011	C6T1102011	C6T1104011	C6T1105011	C6T1100011
12 ft. (3.7 m)	C6T1106012	C6T1108012	C6T1109012	C6T1102012	C6T1104012	C6T1105012	C6T1100012
13 ft. (4.0 m)	C6T1106013	C6T1108013	C6T1109013	C6T1102013	C6T1104013	C6T1105013	C6T1100013
14 ft. (4.3 m)	C6T1106014	C6T1108014	C6T1109014	C6T1102014	C6T1104014	C6T1105014	C6T1100014
15 ft. (4.6 m)	C6T1106015	C6T1108015	C6T1109015	C6T1102015	C6T1104015	C6T1105015	C6T1100015
20 ft. (6.1 m)	C6T1106016	C6T1108016	C6T1109016	C6T1102016	C6T1104016	C6T1105016	C6T1100016
25 ft. (7.6 m)	C6T1106025	C6T1108025	C6T1109025	C6T1102025	C6T1104025	C6T1105025	C6T1100025
xxx	C6T1106xxx	C6T1108xxx	C6T1109xxx	C6T1102xxx	C6T1104xxx	C6T1105xxx	C6T1100xxx

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

Revision Number: 0 Revision Date: 06-12-2015

© 2016 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.