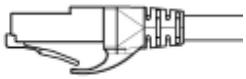
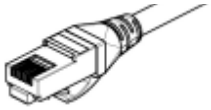
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

C501108025 Cable Assemblies - CAT5E Modular Cord

For more Information please call

1-800-Belden1

General Description:

CAT5E Patch Cord, Bonded-Pair, 4 Pair, 24 AWG Solid, CMR, T568A/B-T568A/B, Gray, 25 ft. (7.6 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
Gray

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

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
C501108025	1 EA	0.580 LB	GRAY 1SR		PATCHCORD BCAT5E CMR GRY 25FT

Revision Number: 0 Revision Date: 06-08-2009

© 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.