

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

C601106010A06 Cable Assemblies - 3600 Pre-Terminated Cable Assembly



For more Information
please call

1-800-Belden1



General Description:

3600 Pre-Terminated Cable Assembly, Bonded-Pair, 4-Pair, 23 AWG Solid, T568A/B-T568A/B, 6 Cables, CMR, Blue, 10 ft. (3.0 m).

Usage (Overall)

Suitable Applications: IBDN System 3600, TIA Category 6

Related Parts: CAT6+ RJ45 Couplers, CAT6+ Coupler Patch Panels

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	23	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: 0.750 in.

Individual Cable Diameter: 0.235 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
Sleeve		Engineered Polymer Riser Rated

Color

Boot Color: Translucent

Wiring Scheme

Wiring Scheme: T568A/B-T568A/B

Weight

Weight: 3.580 lbs.

Packaging

Packaging: Individually packaged in a box.

Mechanical Characteristics (Connectivity)

Plug / Jack Compatibility: RJ45

Termination Interface:

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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): 08/01/2009

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	2.000	72.300	77.300	64.800	69.800
4.000	4.500	3.700	63.300	68.300	52.800	57.700
8.000	6.400	5.200	58.800	63.800	46.700	51.700
10.000	7.100	5.800	57.300	62.300	44.800	49.800
16.000	9.100	7.400	54.200	59.300	40.700	45.700
20.000	10.200	8.300	52.800	57.800	38.800	43.700
25.000	11.400	9.300	51.300	56.400	36.800	41.800
31.250	12.800	10.400	49.900	54.900	34.900	39.900
62.500	18.500	15.000	45.400	50.400	28.900	33.800
100.000	23.800	19.300	42.300	47.300	24.800	29.800
200.000	34.800	28.300	37.800	42.800	18.800	23.700
250.000	39.400	32.100	36.300	41.400	16.800	21.800
300.000		35.600		40.200		20.200

Performance Table - Footnote:

100 meter Cable Specifications - * TIA/EIA-568-C.2 Category 6 Standard

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	42.000
4.000	23.000	23.000	40.000	42.000
8.000	24.500	24.500	40.000	42.000
10.000	25.000	25.000	40.000	42.000
16.000	25.000	25.000	38.000	40.000
20.000	25.000	25.000	37.000	39.000
25.000	24.200	25.000	36.000	38.000
31.250	23.300	25.000	35.100	37.100
62.500	20.700	25.000	32.000	34.000
100.000	19.000	25.000	30.000	32.000
200.000	16.400	21.600	27.000	29.000
250.000	15.600	20.500	26.000	28.000
300.000		20.100		

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

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Labeling

Labeling:

Labeled at both ends: Part Number, Serial Number, Termination Scheme, Length, Individual cable identification. Customized Labeling for cable assemblies optional upon request.

Notes (Overall)

Notes: C601106010A06 is subdivided as following C6-01-1-06-010-A-06 where C6 stands for performance, 01 stands for jacket type, 1 stands for termination type, 06 stands for color, 010 stands for length, A stands for assembly, and 06 stands for number of cables Use "010" part of the code to specify length in feet - 006-050 ft in increments of 1 ft - 055-295 ft in increments of 5 ft

Notes (Cont'd.):

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Product Family

Product List:

Description	Black	Blue	White
6 ft. (1.8 m)	C601100006A06	C601106006A06	C601109006A06
10 ft. (3.0 m)	C601100010A06	C601106010A06	C601109010A06
100 ft. (30.5 m)	C601100100A06	C601106100A06	C601109100A06

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
C601106010A06	1 EA	4.830 LB	BLUE, LIGHT		3600 PRE-TERM ASSY BLU 10FT

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