



Product: [C6011xx000A06](#)

Cable Assemblies - 3600 Pre-Terminated Cable Assembly



Product Description

3600 Pre-Terminated Cable Assembly, Bonded-Pair, 4-Pair, 23 AWG Solid, T568A/B-T568A/B, 6 Cables, CMR (See Product Family for colors & lengths)

Technical Specifications

Product Overview

Suitable Applications:	IBDN System 3600, TIA Category 6, Support Power over Ethernet (up to 100W), Cisco UPOE (up to 60W) and Power over HDBase-T (up to 100W)
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
23	Solid	BC - Bare Copper	4

Insulation

Material
PO - Polyolefin

Outer Jacket

Material
PVC - Polyvinyl Chloride

Overall Nominal Diameter:	0.75 in
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a box

Connectors

Materials		
Description	Material	Type
Plug	Polycarbonate	RJ45
Boot	Elastomer	
Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating	Blades
Sleeve	Engineered Polymer Riser Rated	

Electrical Characteristics

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 mOhm
High Frequency Table Notes:	100 meter Cable Specifications - * TIA/EIA-568.2-D Category 6 Standard

Voltage

UL Voltage Rating
300 V RMS

Mated Connection

Frequency (MHz)	Max. Insertion Loss Belden** (dB)	Min. Return Loss Belden** (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Belden** (dB)
1 MHz	2 dB	20 dB	40 dB	42 dB
4 MHz	3.7 dB	23 dB	40 dB	42 dB
8 MHz	5.2 dB	24.5 dB	40 dB	42 dB
10 MHz	5.8 dB	25 dB	40 dB	42 dB
16 MHz	7.4 dB	25 dB	38 dB	40 dB
20 MHz	8.3 dB	25 dB	37 dB	39 dB
25 MHz	9.3 dB	25 dB	36 dB	38 dB
31.25 MHz	10.4 dB	25 dB	35.1 dB	37.1 dB
62.5 MHz	15 dB	25 dB	32 dB	34 dB
100 MHz	19.3 dB	25 dB	30 dB	32 dB
200 MHz	28.3 dB	21.6 dB	27 dB	29 dB
250 MHz	32.1 dB	20.5 dB	26 dB	28 dB
300 MHz	35.6 dB	20.1 dB		

Temperature Range

Installation Temperature Range:	-10°C To +60°C
Storage Temperature Range:	-40°C To +70°C
Operating Temperature Range:	-10°C To +60°C

Mechanical Characteristics

Maximum Recommended Pulling Tension:	11.250 lbs
Min Bend Radius (Overall Cable):	1.040 in
Plug /Jack Compatibility:	RJ45

Termination Interface

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

Standards

UL Rating:	Riser
TIA/EIA Compliance:	Category 6 - TIA-568.2-D ISO/IEC 11801-1
IEEE Compliance:	IEEE 802.3at type 1 and 2 (PoE) up to 30W, IEEE 802.3bt type 3 and 4 (PoE) up to 100W, CISCO (UPOE) up to 60W, Power over HDBaseTTM (POH) up to 100W
Other Standards:	ANSI/TIA 1096-A (formerly FCC Part 68-F), IEC 60603-7

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2002/95/EC (RoHS):	Yes
MII Order #39 (China RoHS):	EUP 50

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

Safety Listing:	c(UL)us Listed
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Related Part Numbers

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

Notes:	C601xyzzzA06 is subdivided as following C6-01-x-yy-zzz-A-06 where C6 stands for performance, 01 stands for jacket type, x stands for termination type, yy stands for color, zzz stands for length, A stands for assembly, and 06 stands for number of cables Use "zzz" 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. Cable Weight: 0.028 lbs/ft. x 6 cables.
Labeling:	Labeled at both ends: Part Number, Serial Number, Termination Scheme, Length, Individual cable identification. Customized Labeling for cable assemblies optional upon request.

Update and Revision:	Revision Number: 0.16 Revision Date: 02-09-2024
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