

Product: C6D1108007

Cable Assemblies - CAT6 Performance Modular Cord, 7 ft. (2.1 m)

Product Description

CAT6 Performance Patch Cord UTP, 4 Pair, 28 AWG Stranded, CMR, T568A/B-T568A/B, Gray, 7 ft. (2.1 m)

Technical Specifications

Product Overview

Suitable Applications:	TIA Category 6, ISO Class E, 1000BASE-T, Support Power over Ethernet (up to 100W), Cisco UPOE (up to 60W) and Power over HDBase-T (up to 100W)

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
28	Stranded	TC - Tinned Copper	4

Insulation

Material
PE - Polyethylene

Outer Jacket

Material
PVC - Polyvinyl Chloride

Overall Nominal Diameter:	0.15 in
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag

Connectors

Materials

Description	Material	Type
Plug	Polycarbonate - UL94V-0	RJ45
Boot	Polycarbonate - UL94V-0	
Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating	Blades

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

Voltage

UL Voltage Rating
300 V RMS

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):	0.580 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:	IEC 60603-7, ANSI/TIA 1096-A (formerly FCC Part 68-F)

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

Flammability, LS0H, Toxicity Testing

UL voltage rating:	300 V RMS
Safety Listing:	c(UL)us Listed

Related Part Numbers

Related Parts:	CAT6+ Modular Jacks, CAT6+ RJ45 Couplers, CAT6+ Patch Panels

Product Notes

Notes:	Belden 28 AWG cords meet TIA performance standards at reduced lengths with an attenuation de-rating value of 1.95. For guidelines and limitations on using 28 AWG cord for power delivery, see TIA-TSB-184-A-1. Cable weight: 0.012 Lbs/ft. This product may be protected by one or more patents. For further information, please visit: https://www.belden.com/patents.
Labeling:	Labeling: Belden Part Number and Cord Length

History

Update and Revision:	Revision Number: 0.168 Revision Date: 02-08-2024

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