Belden



Product: CAT6+ UTP CMR PATCH CORDS

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Product Description

CAT6+ UTP CMR Patch Cords

Technical Specifications

Product Overview

Suitable Applications:	IBDN System 4800, 3600 and 2400, TIA Category 6, ISO Class E, 1000BASE-T

Physical Characteristics (Overall)

Total Number of Pairs:	4
Overall Nominal Diameter:	0.225 in
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.

Connectors

Materials

Description	Material	Color
Boot	Elastomer	Translucent
Conductor	BC - Bare Copper	
Front Connection	Blades Phosphor Bronze with 50u inch Gold over Nickel Plating	
Inner Jacket		
Insulation	PO - Polyolefin	
Outer Jacket	PVC - Polyvinyl Chloride	

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

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

Min Bend Radius (Overall Cable):	1.040 in
Plug /Jack Compatibility:	RJ45

Termination Interface

Connection	Durabilities
Mated Connection	750 Cycles

Standards

UL Rating:	Riser
ISO/IEC Compliance:	IEC 60603-7
Data Category:	Category 6
TIA/EIA Compliance:	Category 6 - TIA 568.2-D, ISO/IEC 11801-1, TIA TSB-5021
IEEE Compliance:	Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO UPOE (up to 60W), Power over HDBaseTTM (up to 100W)

Applicable Environmental and Other Programs

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

Flammability, LS0H, Toxicity Testing

Safety Listing:	c(UL)us Listed

Related Part Numbers

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

Product Notes

Labeling:	Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length.

History

Update and Revision:	Revision Number: 0.420 Revision Date: 10-24-2024

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