Product: CAT6 UTP CM Patch Cords

DataConnect CAT6 UTP Patch Cords, CM

Product Description

DataConnect CAT6 UTP CM 24 AWG Non-Bonded Patch Cords

Technical Specifications

Product Overview

Suitable Applications:	Ethernet 10/ 100/ 1000BASE-T, 2.5GBASE-T

Physical Characteristics (Overall)

Total Number of Pairs:	4
Overall Nominal Diameter:	0.223 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	
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:	CM (Not Riser or Plenum)
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:	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

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, UL 1863, UL File E77103

Related Part Numbers

Related Parts:	DataConnect CAT6 Modular Jacks, DataConnect CAT6 Patch Panels

Variants

Item #	Color	Length
C643100002	Black	2 ft
C643100003	Black	3 ft
C643100004	Black	4 ft
C643100005	Black	5 ft
C643100006	Black	6 ft
C643100007	Black	7 ft
C643100008	Black	8 ft
C643100010	Black	10 ft
C643106002	Blue	2 ft
C643106003	Blue	3 ft
C643106004	Blue	4 ft
C643106005	Blue	5 ft
C643106006	Blue	6 ft
C643106007	Blue	7 ft
C643106008	Blue	8 ft
C643106010	Blue	10 ft
C643106015	Blue	15 ft
C643108004	Gray	4 ft
C643108003	Gray	3 ft
C643108005	Gray	5 ft
C643108007	Gray	7 ft
C643108010	Gray	10 ft
C643105005	Green	5 ft
C643105002	Green	2 ft
C643105003	Green	3 ft
C643105007	Green	7 ft
C643105010	Green	10 ft
C643103002	Orange	2 ft
C643103003	Orange	3 ft
C643103005	Orange	5 ft
C643103007	Orange	7 ft
C643103010	Orange	10 ft
C643107007	Violet	7 ft
C643107010	Violet	10 ft
C643109002	White	2 ft
C643109003	White	3 ft
C643109004	White	4 ft
C643109005	White	5 ft
C643109006	White	6 ft
C643109007	White	7 ft
C643109010	White	10 ft
C643104002	Yellow	2 ft

C643104003	Yellow	3 ft
C643104005	Yellow	5 ft
C643104007	Yellow	7 ft
C643104008	Yellow	8 ft
C643104010	Yellow	10 ft
C643104015	Yellow	15 ft

Product Notes

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

History

Update and Revision:	Revision Number: 0.33 Revision Date: 02-29-2024

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