

Product: CAT6A UTP CM Patch Cords

DataConnect CAT6A UTP Patch Cords 24 AWG, CM

Product Description

DataConnect CAT6A UTP 24 AWG CM Non-Bonded Patch Cords

Technical Specifications

Product Overview

Suitable Applications:	Ethernet 10/ 100/ 1000BASE-T, 2.5G/ 5G/ 10GBASE-T

Physical Characteristics (Overall)

Total Number of Pairs:	4
Overall Nominal Diameter:	0.264 in
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.

Connectors

Materials

Description	Material	Color
Boot	transparent - PVC	Translucent
Conductor	BC - Bare Copper	
Front Connection	Blades Phosphor Bronze with 50u inch Gold over Nickel Plating	
Insulation	HDPE (CMI-75E)	
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 6A
TIA/EIA Compliance:	Category 6A - 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

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 CAT6A Modular Jacks, DataConnect CAT6A Patch Panels

Variants

Item #	Color	Length
CA43100003	Black	3 ft
CA43100005	Black	5 ft
CA43100007	Black	7 ft
CA43100010	Black	10 ft
CA43100015	Black	15 ft
CA43106002	Blue	2 ft
CA43106003	Blue	3 ft
CA43106004	Blue	4 ft
CA43106005	Blue	5 ft
CA43106006	Blue	6 ft
CA43106007	Blue	7 ft
CA43106010	Blue	10 ft
CA43106015	Blue	15 ft
CA43108003	Gray	3 ft
CA43108005	Gray	5 ft
CA43108007	Gray	7 ft
CA43108010	Gray	10 ft
CA43108015	Gray	15 ft
CA43105003	Green	3 ft
CA43105005	Green	5 ft
CA43105007	Green	7 ft
CA43105010	Green	10 ft
CA43105015	Green	15 ft
CA43103003	Orange	3 ft
CA43103005	Orange	5 ft
CA43103007	Orange	7 ft
CA43103010	Orange	10 ft
CA43103015	Orange	15 ft
CA43109002	White	2 ft
CA43109003	White	3 ft
CA43109004	White	4 ft
CA43109005	White	5 ft
CA43109006	White	6 ft
CA43109007	White	7 ft
CA43109010	White	10 ft
CA43109015	White	15 ft
CA43104002	Yellow	2 ft
CA43104003	Yellow	3 ft
CA43104004	Yellow	4 ft
CA43104005	Yellow	5 ft
CA43104006	Yellow	6 ft
CA43104007	Yellow	7 ft

CA43104010	Yellow	10 ft
CA43104015	Yellow	15 ft

Product Notes

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

History

Update and Revision:	Revision Number: 0.8 Revision Date: 02-26-2024

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