



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
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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
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Related Part Numbers

Related Parts:	DataConnect CAT6 Modular Jacks, DataConnect CAT6 Patch Panels
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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
C631306075	Blue	75 ft
C631306080	Blue	80 ft
C631306082	Blue	82 ft
C631306085	Blue	85 ft
C631306100	Blue	100 ft
C631306200	Blue	200 ft
C631308007	Gray	7 ft
C631308010	Gray	10 ft
C631308015	Gray	15 ft
C631308020	Gray	20 ft
C631308025	Gray	25 ft
C631308030	Gray	30 ft
C631308035	Gray	35 ft
C631308050	Gray	50 ft
C631308060	Gray	60 ft
C631308075	Gray	75 ft
C631308100	Gray	100 ft
C631308156	Gray	156 ft
C631308160	Gray	160 ft
C632208015	Gray	15 ft
C632208017	Gray	17 ft
C632208020	Gray	20 ft
C632208025	Gray	25 ft
C632208030	Gray	30 ft
C632208035	Gray	35 ft
C632208040	Gray	40 ft
C632208045	Gray	45 ft
C643105005	Green	5 ft
C643105002	Green	2 ft
C643105003	Green	3 ft
C643105007	Green	7 ft

C643105010	Green	10 ft
C631309050	None	50 ft
C643103002	Orange	2 ft
C643103003	Orange	3 ft
C643103005	Orange	5 ft
C643103007	Orange	7 ft
C643103010	Orange	10 ft
C631309004	White	4 ft
C631309007	White	7 ft
C631309015	White	15 ft
C631309020	White	20 ft
C631309025	White	25 ft
C631309035	White	35 ft
C631309075	White	75 ft
C631309100	White	100 ft
C632209015	White	15 ft
C632309050	White	50 ft
C632309100	White	100 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.
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History

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