Product: CAT6+ UTP LSZH PATCH CORDS



CAT6+ Patch Cord, UTP, LSZH

Product Description

CAT6+ Copper Patch Cord, UTP, LSZH

Technical Specifications

Product Overview

Suitable Applications:	Horizontal and building cabling. Support current and future Category 6 and 5e applications, such as: 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM, PoE ++ IEEE 802.3 bt type 3 and type 4 is applicable for max. 10m patch cord applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
23	Solid	BC - Bare Copper	6.1 mm	4

Total Number of Pairs:	4

Insulation

Material
PE - Polyethylene

Inner Jacket

Material
No Jacket

Outer Jacket

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.1 mm

Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.

Connectors

Materials

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

Construction and Dimensions

Cabling

Filler
Cross Web

Electrical Characteristics

Dielectric Strength:	2.5 kV DC

Current Rating:	1 A
Insulation Resistance:	5000 MOhm*km
Max Contact Resistance:	20 mOhm

Voltage

Voltage Rating [V]
72 V DC

Performance Footnote1:	There is 1dB margin on NEXT and RL guaranteed compared to ISO/IEC 11801-1:2017
Performance Footnote2:	The performance data below 4Mhz or above 500Mhz are for information only.

Temperature Range

Installation Temperature Range:	0°C To +50°C
Operating Temperature Range:	-20°C to +60°C

Mechanical Characteristics

Min Bend Radius (Overall Cable):	25 mm
Plug /Jack Compatibility:	RJ45

Termination Interface

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

Standards

ISO/IEC Compliance:	ISO/IEC 11801-1
Data Category:	Category 6
TIA/EIA Compliance:	ISO/IEC 11801-1:2017; EN 50173-1 Amd 1 Caregory 6; ANSI/TIA/EIA 568 C.2 Category 6

Applicable Environmental and Other Programs

Environmental Space:	Indoor Rated (Not Riser or Plenum)

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2

Related Part Numbers

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

Variants

Item #	Color	Length
C624100001M	Black	1 m
C624100002M	Black	2 m
C624100004M	Black	4 m
C624100005M	Black	5 m
C624100008M	Black	8 m
C624100010M	Black	10 m
C6241000D5M	Black	0.5 m
C6241001D5M	Black	1.5 m
C624100003M	Black	3 m
C624106001M	Blue	1 m
C624106002M	Blue	2 m
C624106003M	Blue	3 m
C624106004M	Blue	4 m
C624106005M	Blue	5 m
C624106008M	Blue	8 m
C624106010M	Blue	10 m
C624106015M	Blue	15 m
C624106016M	Blue	16 m

C624106020M	Blue	20 m
C624106022M	Blue	22 m
C624106024M	Blue	24 m
C624106025M	Blue	25 m
C624106026M	Blue	26 m
C624106027M	Blue	27 m
C624106029M	Blue	29 m
C624106030M	Blue	30 m
C624106032M	Blue	32 m
C624106050M	Blue	50 m
C624106060M	Blue	60 m
C624106062M	Blue	62 m
C6241060D5M	Blue	0.5 m
C6241061D5M	Blue	1.5 m
C604106010	Blue	
C604106005	Blue	
C604106004	Blue	
C604106003	Blue	
C624106006M	Blue	6 m
C624106007M	Blue	7 m
C624106040M	Blue	40 m
C604106003	Blue	3 ft
C604106004	Blue	4 ft
C604106010	Blue	10 ft
C624108001M	Gray	1 m
C624108002M	Gray	2 m
C624108003M	Gray	3 m
C624108004M	Gray	4 m
C624108005M	Gray	5 m
C624108008M	Gray	8 m
C624108010M	Gray	10 m
C624108012M	Gray	12 m
C624108015M	Gray	15 m
C624108020M	Gray	20 m
C624108025M	Gray	25 m
C624108030M	Gray	30 m
C624108040M	Gray	40 m
C624108050M	Gray	50 m
C624108060M	Gray	60 m
C6241080D5M	Gray	0.5 m
C6241081D5M	Gray	1.5 m
C6241082D5M	Gray	2.5 m
C6241087D5M	Gray	7.5 m
C604108005	Gray	
C624108002M	Gray	
C604108010	Gray	
C604108015	Gray	
C624408003M	Gray	3 m
C624408005M	Gray	5 m
C604108005	Gray	5 ft
C604108010	Gray	10 ft
C604108015	Gray	15 ft
C624108002M	Gray	2 m
C624105001M	Green	1 m
C624105002M	Green	2 m
C624105003M	Green	3 m
C624105004M	Green	4 m
C624105005M	Green	5 m
C624105010M	Green	10 m
C624105015M	Green	15 m
C6241050D5M	Green	0.5 m

C6241051D5M	Green	1.5 m
C604105005	Green	
C604105004	Green	
C604105003	Green	
C624105006M	Green	6 m
C604105003	Green	3 ft
C604105004	Green	4 ft
C604105005	Green	5 ft
C624103001M	Orange	1 m
C624103002M	Orange	2 m
C624103003M	Orange	3 m
C624103005M	Orange	5 m
C624103010M	Orange	10 m
C624102001M	Red	1 m
C624102002M	Red	2 m
C624102003M	Red	3 m
C624102004M	Red	4 m
C624102005M	Red	5 m
C624102010M	Red	10 m
C6241020D5M	Red	0.5 m
C6241021D5M	Red	1.5 m
C624107001M	Violet	1 m
C624107002M	Violet	2 m
C624107003M	Violet	3 m
C624107005M	Violet	5 m
C624107010M	Violet	10 m
C624107020M	Violet	20 m
C6241070D5M	Violet	0.5 m
C624109001M	White	1 m
C624109002M	White	2 m
C624109003M	White	3 m
C624109005M	White	5 m
C624109010M	White	10 m
C624109015M	White	15 m
C624109020M	White	20 m
C624109025M	White	25 m
C624109030M	White	30 m
C6241090D5M	White	0.5 m
C6241091D5M	White	1.5 m
C6241092D5M	White	2.5 m
C624104001M	Yellow	1 m
C624104002M	Yellow	2 m
C624104003M	Yellow	3 m
C624104004M	Yellow	4 m
C624104005M	Yellow	5 m
C624104006M	Yellow	6 m
C624104010M	Yellow	10 m
C624104015M	Yellow	15 m
C624104025M	Yellow	25 m
C624104050M	Yellow	50 m
C6241040D5M	Yellow	0.5 m
C6241041D5M	Yellow	1.5 m
C624104020M	Yellow	20 m
C624104030M	Yellow	30 m

History

Update and Revision:	Revision Number: 0.413 Revision Date: 12-07-2023

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.