



Product: [CAT6+ S/FTP LSZH PATCH CORDS](#)

Copper RJ45 Patch Cord, CAT6+ , S/FTP, LSZH

Product Description

Copper RJ45 Patch Cord, CAT6+ , S/FTP, 26AWG, LSZH/FRNC

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
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Nominal Diameter	No. of Pairs
26	Stranded	6.1 mm	4

Total Number of Pairs:	4
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Insulation

Material
PE - Polyethylene

Inner Shield

Element	Type	Material
Individual Shielded Pair	Tape	Bi-Laminate (Alum+Poly)

Outer Shield

Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	30%

Outer Jacket

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

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

Materials

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

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 11801-1:2018

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 Category 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 60332-3-22

Related Part Numbers

Related Parts: CAT 6+ Shielded Modular Jacks, CAT 6+ shielded Patch Panels

Variants

Item #	Color	Length
C6S4100001M	Black	1 m
C6S4100002M	Black	2 m
C6S4100003M	Black	3 m
C6S4100005M	Black	5 m
C6S4100010M	Black	10 m
C6S4100015M	Black	15 m
C6S41000D5M	Black	0.5 m
C6S4106020M	Black	20 m
C6S4106070M	Black	70 m
C6S4106001M	Blue	1 m
C6S4106002M	Blue	2 m
C6S4106003M	Blue	3 m
C6S4106005M	Blue	5 m
C6S4106008M	Blue	8 m
C6S4106010M	Blue	10 m
C6S4106015M	Blue	15 m
C6S41060D5M	Blue	0.5 m
C6S4106006M	Blue	6 m
C6S4106025M	Blue	25 m
C6S4106030M	Blue	30 m
C6S4106035M	Blue	35 m
C6S4106040M	Blue	40 m
C6S4106045M	Blue	45 m

C6S4106050M	Blue	50 m
C6S4106055M	Blue	55 m
C6S4106060M	Blue	60 m
C6S4106065M	Blue	65 m
C6S4106080M	Blue	80 m
C6S4106085M	Blue	85 m
C6S4106090M	Blue	90 m
C6S4108001M	Gray	1 m
C6S4108002M	Gray	2 m
C6S4108003M	Gray	3 m
C6S4108005M	Gray	5 m
C6S4108010M	Gray	10 m
C6S4108015M	Gray	15 m
C6S41080D5M	Gray	0.5 m
C6S4108025M	Gray	25 m
C6S4108030M	Gray	30 m
C6S4105001M	Green	1 m
C6S4105002M	Green	2 m
C6S4105003M	Green	3 m
C6S4105005M	Green	5 m
C6S4105010M	Green	10 m
C6S4105015M	Green	15 m
C6S41050D5M	Green	0.5 m
C6S4103005M	Orange	5 m
C6S4102001M	Red	1 m
C6S4102002M	Red	2 m
C6S4102003M	Red	3 m
C6S4102005M	Red	5 m
C6S4102010M	Red	10 m
C6S4102015M	Red	15 m
C6S41020D5M	Red	0.5 m
C6S4107005M	Violet	5 m
C6S41071D5M	Violet	1.5 m
C6S4109070M	White	70 m
C6S41090D5M	White	0.5 m
C6S4109050M	White	50 m
C6S4109001M	White	1 m
C6S4109002M	White	2 m
C6S4109003M	White	3 m
C6S4109005M	White	5 m
C6S4109010M	White	10 m
C6S4109015M	White	15 m
C6S4109030M	White	30 m
C6S4104001M	Yellow	1 m
C6S4104002M	Yellow	2 m
C6S4104003M	Yellow	3 m
C6S4104005M	Yellow	5 m
C6S4104010M	Yellow	10 m
C6S4104015M	Yellow	15 m
C6S41040D5M	Yellow	0.5 m

History

Update and Revision:	Revision Number: 0.144 Revision Date: 08-12-2024
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