

UTP CAT8 S/FTP PATCH CORD CABLE

CAT8 RJ45-RJ45 PATCH CORD LSZH : 1M / 2M / 3M / 5M

This specification covers the design requirements and performance standards for the procurement of CAT8 FR-LSZH (Flame Retardant Low Smoke Zero Halogen) cable. TSP brand guarantees a stable and strict quality control system directly from the factory. The cable products comply with international standards and certifications, including ISO 9001, ISO 14001, and RoHS.

// PRODUCT DESCRIPTION

Our shielded CAT8 Patch Cord is designed to deliver ultra-high-speed and stable network connectivity for high-performance applications. Engineered with premium shielding construction, it effectively minimizes EMI/RFI interference and ensures reliable data transmission up to 25/40Gbps bandwidth. The durable LSZH outer jacket enhances safety, flexibility, and long-term performance, making it ideal for data centers, server rooms, and high-speed networking environments.

This flexible, factory-terminated patch cord is pre-assembled and 100% tested at the manufacturer to ensure consistent quality, performance reliability, and compliance with international standards.



// APPLICATION

- 40G BASE-T (IEEE 802.3bq 40Gigabit Ethernet)
- 25G BASE-T (IEEE 802.3bq 25Gigabit Ethernet)
- 10G BASE-T (IEEE 802.3an 10Gigabit Ethernet)
- 1000 BASE-T (IEEE 802.3ab Gigabit Ethernet)
- 100 BASE-TX (IEEE 802.3u Fast Ethernet)
- 10 BASE-T (IEEE 802.3i Ethernet)
- 52/155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (Type4)
- TP-PMD, TPDDI, ISDN, CDDI, VoIP
- EtherCAT Industrial standard, HDBaseT 2.0 standard
- Baseband, Broadband
- Digital and analog for data, video and audio application

// STANDARD

- ANSI/TIA-568.2-D Category 8
- ISO/IEC 11801-1 class I
- IEC 60332-1-2 , IEC 61034-2 , IEC 60754-2 , IEC 60603-7
- EN 50173-1 , EN50288-3-1, EN 50288-6-1
- RoHS Compliant



Oxygen-free Copper



Strong
Anti-interference Ability



Fast
Transmission Speed

CONSTRUCTION CABLE

Cable type	UTP CAT8 PARCH CORD LSZH	
Conductor	Material	Solid bare copper (BC)
	Diameter	24 AWG
Insulation	Material	Skin-Foam-HDPE
	Diameter	1.40 ± 0.02 mm.
Individual Shield	Material	Aluminum Foil
Overall Shield	Material	Tinned copper conductors with steel braided shielding.
Jacket	Material	Lead free, FR-LSZH
	Diameter	7.40 ± 0.02 mm.
	Color	Black
Flame Rating	LSZH (Low Smoke Zero Halogen) standard UL 1581 (VW-1)	
Plug Housing	Material	PC, UL94V-0, Transparent black color
Pin Contact	Material	Phosphor bronze contacts with nickel underplating and 50 micro-inch gold plating on the contact surface.
Shield	Material	Copper with nickel plated
Boot	Material	PC, UL94V-0, Black
Impedance	100 ± 15 ohms	
Capacitance	36pF/30m at 1kHz	
Dielectric Strength	2.5kV	
Voltage Rating	300V	
Pulling tension	100N	
Durability	1,000 mating cycles	
Minimum Bending Radius	8 x cable OD	
Wiring Pattern	T568B	
Temperature	Operation Temperature	-40°C to +70 °C
	Storage/Shipping Temperature	-40°C to +70 °C



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