Cat 7A Patch Cord S/FTP

Copper | **Patch Cords | Cat 7A**

Cat 7A S/FTP Patch Cord conforms to ISO/IEC 11801 2.1 edition and CENELEC EN50173 (2007) for Category 7A. It has been tested up to 1000 MHz,Comprised of flexible patch cable and terminating with two modular plugs. The system is designed to support protocols running at up to IEEE 802.3an 10Gbps, 1000 Mbps, such as ATM 622 Mbps and Gigabit Ethernet.

With RiT's Precision Placement Technology (PPT), the Plug ensures high-repeatability Cross-Talk performance, with both factory and field termination. PPT enables Category 7A performance under any field condition.

TECHNICAL SPECIFICATIONS

Patch cords are constructed from RJ-45 plugs with assembled boot for enhanced life and reliability

Patch cords performance is tested for 10G Applications

The Category 7A S/FTP Patch cord contains 4 individually foil-shielded twisted pairs, cabled together with Overall Braid Shield and jacketed with FR-LSZH compound.

PRODUCT FEATURES

- Available in a variety of lengths
- Applications: Generic cabling systems, including 10/100/1000Base-T, 10GBase-T , ATM & Token Ring
- Confirms to ANSI/TIA-568.2-E :2024
- Designed to support Cat 7A Link and Channel performance.
- Physical and Electrical performance up to 1000 MHz
- Applicable Standards: ISO/IEC 11801-1
- Cable flammability complies with IEC 60332-1, IEC 60754-1/2,IEC 61034-1/2
- Low Smoke Zero Halogen (LSZH)
- RoHS compliant: 2011/65/EU, 2015/863/EU
- 100% factory tested

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TECHNICAL FEATURES

STP Patch Cable Construction	
Basic Wires	Conductor: Eight wires stranded bare copper, 7 x 0.16mm (26 AWG). Insulation: foam skin, polyolefin, 1.0±0.02mm OD.
Pair Construction	4 pairs cabled together. Each pair wrapped in polyester-aluminum foil (aluminum face outward), providing 100% coverage.
Pair Color Codes (2 wires/pair)	Blue/white, orange/white, green/white, brown/white
Overall Shield	Four pairs cabled together. Each pair is wrapped with polyester-aluminum foil and overall Shielding (Tinned-copper braid -providing 45% coverage minimum). FR-LSZH jacket.
Overall Diameter	6.3 ± 0.2 mm max.
Outer Sheath	LSZH – IEC-60332-1
Electrical	
DC Resistance	Max. 145 Ω/km at 20°C
Resistance Unbalance	2% max. at 20°C
Mutual Capacitance	43 pF/m nominal at 1 KHz
Capacitance Unbalance	1200 pF/km max. at 1 KHz (wire to ground)
Impedance	100 ±15 Ω at 1-100MHz
Voltage Rating	30 V rms
Dielectric Strength	500 VAC/one minute mean (wire to wire)
Velocity of Propagation	78% nominal
General	
Storage Temperature	-30°C to 70°C
Operating Temperature	-5°C to 50°C
Flammability Test	IEC 60332-1
STP Modular Plugs Construction	
Plug Housing	PC Resin UL-94V0
Contacts	High grade copper alloy
Plating	50 micro-inch (1.27 micro-meter) gold
Electrical	
Current/Voltage Rating	1.5 Amps, 30 VAC / 56 VDC
Dielectric Withstanding	1000 volts RMS, 1 min. (60Hz)
Insulation Resistance	500 mega-Ohms

ORDERING INFORMATION

P/N	DESCRIPTION
R3470010	CAT 7A STP Patch Cord, LSZH, Gray, 1.0m
R3470015	CAT 7A STP Patch Cord, LSZH, Gray, 1.5m
R3470020	CAT 7A STP Patch Cord, LSZH, Gray, 2.0m
R3470030	CAT 7A STP Patch Cord, LSZH, Gray, 3.0m
R3470050	CAT 7A STP Patch Cord, LSZH, Gray, 5.0m
R3470100	CAT 7A STP Patch Cord, LSZH, Gray, 10.0m

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