

Cat 6A Patch Cord STP



Features

The STP Patch Cord conforms to ANSI/TIA-568-2.D, ISO/IEC 11801 2.1 edition and CENELEC EN50173 (2007) for Category 6A/CLASS E_A. It has been tested up to 500 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.

TECHNICAL SPECIFICATION

- Comprise a length of eight-wire flexible patch cable, terminated on each end with an eight-position RJ-45 plug
- The STP Patch Cable is a 100 ohm, double-shielded cable
- The cable is housed in LSZH jacket with a tinned-copper braid shield
- Conforms to ANSI/TIA/EIA-568-2.D, ISO/IEC 11801 2nd edition (2002) and CENELEC EN50173 (2002) for Category 6A/CLASS E_A standards

PRODUCT FEATURES

- UL 94 V-0 Compliant
- IEC 61156-6 for patch cable
- Patch cords feature molded RJ-45 connectors for enhanced life and reliability
- Latch protection in order to eliminate digging in high density patch cord installations
- Plugs with 50 micron gold plating contacts
- Backward Compatible and Interoperable
- RoHS Compliant



Technical Features

STP Patch Cable	
Construction	
· Basic Wires	Conductor: Eight wires stranded bare copper, 7 x 0.16 (26 AWG). Insulation: foam skin, polyolefin, 0.8±0.03mm OD.
· Pair Construction	Four pairs, each pair wrapped in polyester-aluminum foil (metal face outward), providing 100% coverage.
· Pair Color Codes (2 wires/pair)	Blue/white, orange/white, green/white, brown/white.
Overall Shield	
	Tinned-copper, laid in close contact with a 26 AWG stranded, tin-plated, copper drain wire.
· Overall Diameter	6.0 ± 0.2 mm max.
· Outer Sheath	LSZH
Electrical	
· DC Resistance	Max. 142 Ω/km at 20°C
· Resistance Unbalance	2% max. at 20°C
· Mutual Capacitance	43 pF/m nominal at 1 KHz.
· Capacitance Unbalance	1500 pF/km max. at 1 KHz (wire to ground).
· Impedance	100 ±15 Ω at 1-100MHz
· Voltage Rating	30 V rms
· Dielectric Strength	700 VAC/one minute
· Velocity of Propagation	77-80% nominal
General	
· Storage Temperature	-30° to 70°C
· Operating Temperature	-5° to 50°C
· Flammability Test	IEC 332-1 / UL 1581 VW-1
STP Modular Plugs	
Construction	
· Plug Housing	PC Resin UL-94V2
· 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

GCTPCSTLZWH001	Genius Patch Cord Cat 6A STP LSZH 1mtr White
GCTPCSTLZWH002	Genius Patch Cord Cat 6A STP LSZH 2mtr White
GCTPCSTLZWH003	Genius Patch Cord Cat 6A STP LSZH 3mtr White
GCTPCSTLZWH001	Genius Patch Cord Cat 6A STP LSZH 1mtr White

Note :-

WH – is for White, RD is Red, BL is for Blue

001 determines Length as 1 mtr

