

Cat 6A Patch Cord UTP



Features

Genius Cat6A UTP 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

- The U/FTP Patch Cable is a 100 ohm cable contains 4 Un-grounded Screened Twisted Pairs (U/FTP), cabled and jacketed with LSZH compound.
- Plug is designed to ensure precision wire placement, providing superior performance.
- Cat.6A Performance to supports high-speed protocols: 10Gbps
- 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
- Flame Retardant verified according to IEC 60332-1-2
- RoHS Compliant



Technical Features

UTP Un-Grounded Patch Cable	
Construction	
• Basic Wires	Conductor: Eight wires stranded bare copper, 7 x 0.16 (26 AWG). Insulation: foam skin, polyolefin, 0.98±0.03mm OD.
• Pair Construction	Four pairs, each pair wrapped in polyester-aluminum foil (metal face inside), providing 100% coverage.
• Pair Color Codes (2 wires/pair)	Blue/white, orange/white, green/white, brown/white.
• Overall Diameter	6.0 ± 0.2 mm max.
• Outer Sheath	LSZH
Electrical	
• DC Resistance	Max. 148.5 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 1-500MHz
• Voltage Rating	30 V rms
• Dielectric Strength	500 VAC/one minute
• Velocity of Propagation	77-80% nominal
General	
• Storage Temperature	-20° to 70°C
• Operating Temperature	0° to 50°C
• Flammability Test	IEC 332-1 / UL 1581 VW-1
UTP 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

P/N	Description
GCTUTLZWH001	Genuis Patch Cord Cat 6A UTP LSZH 1mtr White
GCTUTLZWH002	Genuis Patch Cord Cat 6A UTP LSZH 2mtr White
GCTUTLZWH003	Genuis Patch Cord Cat 6A UTP LSZH 3mtr White
GCTUTLZBL001	Genuis Patch Cord Cat 6A UTP LSZH 1mtr Blue
GCTUTLZBL002	Genuis Patch Cord Cat 6A UTP LSZH 2mtr Blue
GCTUTLZBL003	Genuis Patch Cord Cat 6A UTP LSZH 3mtr Blue
GCTUTLZRD001	Genuis Patch Cord Cat 6A UTP LSZH 1mtr Red
GCTUTLZRD002	Genuis Patch Cord Cat 6A UTP LSZH 2mtr Red
GCTUTLZRD003	Genuis Patch Cord Cat 6A UTP LSZH 3mtr Red

Note :-

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

001 determines Length as 1 mtr

