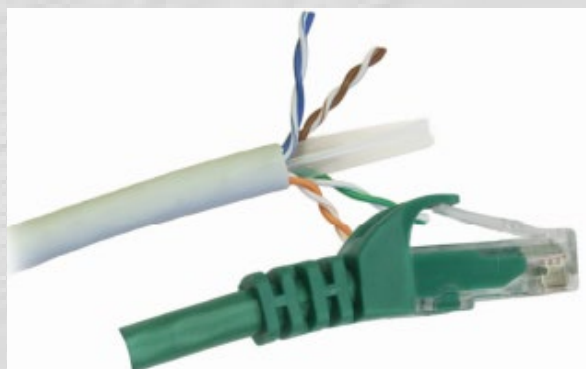


Copper structured cabling

Category 6A U/UTP Patch Cords

Unshielded Twisted Pair (UTP) Category 6a (CAT6-Augmented) are constructed of shielded 4-pair copper cable and is a 24 American Wire Gauge (AWG) used ideally for Gigabit Ethernet, Multimedia, video, voice and data.

Each Category 6A patch cord end is assembled with modular RJ - 45 plug and colour matched strain relief boots.



Application

- POTS, T1&Tq fractional
- ASDN basic & primary rate
- 4/16 Mbps Token Ring (IEEE802.5)
- 10 BASE-T (IEEE802.3)
- 100 Mbps TP-PMD
- 10Gbps Ethernet
- 52/155 Mbps ATM (ATM Forum)
- 100 BASE-T4 (Fast Ethernet)
- 100 VG-Any LAN (IEEE802.12)
- 100 BASE-T (Fast Ethernet)
- 1Gbps Ethernet

Features & Benefits

- Snagless design prevents locking tab from breaking off
- 4 pairs twisted pair cable
- Provides enhanced EMC protection and improved alien crosstalk performance
- All cables meet or exceed the requirement proposed by TIA /EIA 568 B .2 ,ISO/IEC 11801 Category 6A
- Pre-terminated with 8W plugs
- Available in variety of lengths and colours
- The cross frameworks are stripped to match corresponding colour pairs
- Backwards compatible with Category 6 & Category 5e



Copper structured cabling

Category 6A U/UTP Patch Cords

Mechanical Characteristics

Conductor Size (AWG)	24 stranded bare copper
Dielectric Material	PE
Diameter of Dielectric Core	7*0.16mm
External Diameter	6.2±0.2mm
Sheath Material	PVC or LSZH
Temperature Range	-20°C to +60°C
Operating Life	750 Insertion Cycles
Contact Material	Phosphor Bronze
Contact Plating	60 micro-inch Gold
Housing Material	PC UL94V-0

Electrical Characteristics

Voltage	150V
Current	1.5A
Contact Resistance	Max 20mΩ
Insulation Resistance	500mΩ
Dielectric Withstanding Voltage	1000V RMS
Operating Temperature	-40°C to +85°C

Colouring

Pair 1	Pair 2	Pair 3	Pair 4
Blue - Blue/White	Orange - Orange/White	Green - Green/White	Brown - Brown/White

Ordering Information

Construction	Patch Cord	Length	Category	Colour	Jacket Material
UTP (U/UTP) UTP	Patch Cord CPC	0,5m – 0,5	Category 6A (CAT6A) 6A	Grey	PVC
		1m - 1		Red	LSZH
		2m - 2		Green	
		80m -80			

For any queries, please contact Technoline Solutions team using the details below.