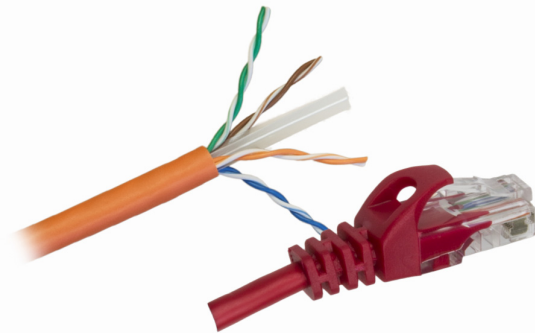




## Copper Structured Cabling

# Category 6 U/UTP Patch Cords



Linxcom Unshielded Twisted Pair (UTP) Category 6 Patch Cord conforms to ANSI/TIA/EIA-568-B.2-1, ISO/IEC 11801 2<sup>nd</sup> edition (2002) and CENELEC EN50173 (2002) for Category 6/Class E.

It has been tested up to 250 MHz, and is designed for high speed protocols such as ATM 622 Mbps and Gigabit Ethernet 1000 Mbps applications.

The patch cord is comprised of flexible patch cable and is terminated with two modular plugs along with moulded snag-less boots.

### Features & Benefits

- Snagless design prevents locking tabs 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 6
- 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 5e

### 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
- 52/155 Mbps ATM (ATM Forum)
- 100 BASE-T4 (Fast Ethernet)
- 100 VG-Any LAN (IEEE802.12)
- 100 BASE-T (Fast Ethernet)
- 1Gbps Ethernet

### Colouring

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

### Mechanical Characteristics

Cable	
Conductor Size (AWG)	24 stranded bare copper
Dielectric Material	PE
Diameter of Dielectric Core	7*0.2mm
External Diameter	5.8±0.2mm
Sheath Material	PVC or LSZH
Temperature Range	-20°C to +60°C



## Copper Structured Cabling

# Category 6 U/UTP Patch Cords

### Mechanical Characteristics (cont.)

Plug	
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

### Ordering Information

Using the available configurations amend/create a part number using the formula below.

Construction		Patch Cord		Length	
UTP (U/UTP)	UTP	Patch Cord	CPC	0.5m	0.5
				1m	1
				2m	2
				...	...
				80m	80
UTP	6	CPC	GY	03	PVC
Category		Colour		Jacket Material	
Category 6 (CAT6)	6	Grey	GY	PVC	PVC
		Red	RD	LSZH	LS
		Green	GR		
		Blue	BL		
		Yellow	YE		
		Orange	OR		
		White	WH		
		Black	BK		
		Purple	PU		
		Pink	PK		

Example: **UTP6CPCGY03PVC** – Category 6 Unshielded Twisted Pair Patch Cable PVC Grey Jacket 3m

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