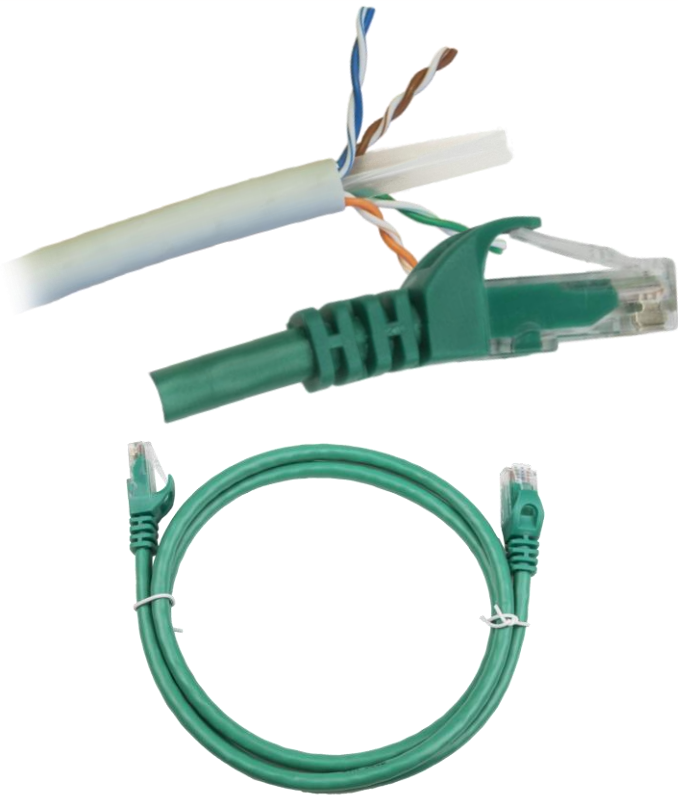




## Copper Structured Cabling

# Category 6A U/UTP Patch Cords



Linxcom 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.

### Features & Benefits

- UL & 3P Certified
- 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

### 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

### 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*0.16mm
External Diameter	6.2±0.2mm
Sheath Material	PVC or LSZH
Temperature Range	-20°C to +60°C



## Copper Structured Cabling

# Category 6A 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	6A	CPC	GY	03	PVC
Category		Colour		Jacket Material	
Category 6A (CAT6A)	6A	Grey	GY	PVC	PVC
		Red	RD	LSZH	LS
		Green	GR		

Example: **UTP6ACPCGY03PVC** – Category 6A Unshielded Twisted Pair Patch Cable PVC Grey Jacket 3m

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