



## COPPER STRUCTURED CABLING

# CAT6

# UTP- PREMIUM

### PRODUCT SPECIFICATIONS

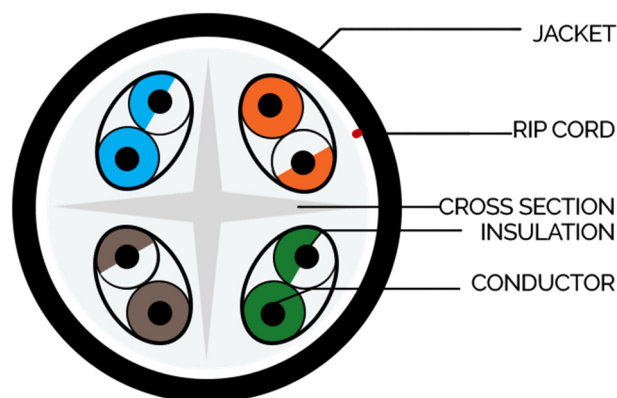
Linxcom Unshielded Twisted Pairs (UTP) Category 6 LAN cable is 23 AWG.

Our Cables are verified and third-party organizations and comply with ISO 11801.

All our jackets can be customized upon request.

### APPLICATIONS

- Horizontal wiring in LAN
- Gigabit Ethernet
- Multimedia Video, Voice and Data



### FEATURES

### BENEFITS

- |                        |                                   |
|------------------------|-----------------------------------|
| ▪ 4 Pair Twisted Cable | ▪ Broadband/ Ethernet             |
| ▪ Ultra-Smooth Jacket  | ▪ Brightly coloured Twisted Pairs |
| ▪ Cross Section        | ▪ Meets 6 requirements            |

### JACKET SPECIFICATIONS

Material	PE
Colour	As Per Request
Thickness	≥0.55mm
Outer diameter	6.2±0.5mm
Rip Cord	Optional
Tensile Strength	≥10.0MPa
Aging Elongation	≥300%
Bending Radius	≥10x Outer Diameter

### ENVIRONMENTAL SPECIFICATIONS

Operation (°C)	-20~+60
Installation (°C)	-20~+60

### ORDERING INFORMATION

Part Number	Construction	Category	Jacket	Length
UTP6PEXXX	UTP (Unshielded Twisted Pair)	6	PE	305m Box 500m Reel

### CONSTRUCTION SPECIFICATIONS

Configuration	Solid Bare Copper
American Wire Gauge	0.57±0.008mm /23WG
Insulation	HDPE
Insulation Diameter	1.02±0.02mm
Cross Section	4.5x0.45mm
Linear Resistance	≤8.5Ω/100m
Insulation Resistance	≥5000MΩ/km
Characteristic Impedance	100±15Ω(1-250MHz)
Dielectric Strength	DC 1kV 1min no break

### COLOURING

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



## COPPER STRUCTURED CABLING

# CAT6

# UTP- PREMIUM

### ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)
1	20	2.0	74.3
4	23	3.8	66.3
8	24.5	5.3	61.8
10	25	6.0	60.3
16	25	7.6	57.2
20	25	8.5	55.8
25	24.3	9.5	54.3
31.25	23.6	10.7	52.9
62.5	21.5	15.4	48.4
100	20.1	19.8	45.3
200	18.0	29.0	40.8
250	17.3	32.8	39.3

### ELECTRICAL CHARACTERISTICS

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	72.3	67.8	64.8
4	63.3	56	53
8	58.8	49.9	46.9
10	57.3	48	45
16	54.2	43.9	40.9
20	52.8	42	39
25	51.3	40	37
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28	25
200	37.8	22	19
250	36.3	20	17