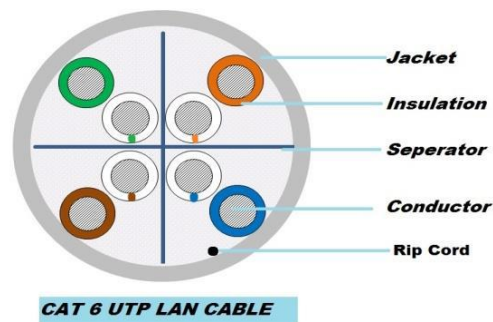


CAT 6 UTP CABLE



Introduction:

Category 6 UTP Network Cable is ideal for installations that require operation headroom, with maximum future proof performance. It transmits reliable voice, data and video, is easy to handle and install, and exceeds TIA/EIA 568-B, ISO/IEC 11801, Category 6 specifications.

This 4 pair UTP LAN cable is designed for horizontal applications in a high speed structured cabling network, allowing connection between the user outlet and horizontal cross-connect.

Network LAN cable is designed to support the most sophisticated networking protocols such as Ethernet 10 BASE-T, 100BASE-T, 100BASE-TX, 1000BASE-T Gigabit Ethernet, 4/16 Mb/s Token Ring or Broadband Video, and future applications designed for Category 6 cabling systems. It is designed for full and half duplex operation, and is designed to meet the most advanced UTP applications, making it ideal for high-end transmission networks supporting the most sophisticated networking protocols

Key Features:

- 4-Pair Unshielded Twisted Pair Network Cable
- 23 AWG Solid Bare Copper Conductors
- Meets TIA/EIA, ISO/IEC Specifications
- Suitable for current and future High Speed Networks such as Gigabit Ethernet and beyond Metre Marked PVC Sheath
- 305m Easy Pull No Tangle Box Easy to Handle and Install



Technical Specifications:

General / Environmental:

Operating temperature: -20 to +60 C

Storage Temperature -20 to +60 C

Installation temperature : 0 to +50C

Electrical Characteristics:

Mutual capacitance: 5.6nf /100mtr Max

Characteristic Impedance: $100\Omega \pm 15\%$

DC Resistance Unbalance: 5%(Max)

Worst case delay skew: 45nS/100m(Max)

Nominal velocity propagation: 69%

Conductor:

Material: Solid bare Electrolytic grade copper

Size: 23 AWG

Insulation: HDPE High Density Polyethylene

DC Resistance: 93.8ohm / 1000m @ 20 C(Max)

Sheath / Jacket Material: PVC

Overall Diameter: 5.7mm \pm 0.30mm

Avg. thickness: 0.51+/- 0.015mm

Filler: HDPE separator



Color coding of Pairs :

- Pair 1 - WHITE - BLUE / BLUE
- Pair 2 - WHITE - ORANGE / ORANGE
- Pair 3 - WHITE - GREEN / GREEN
- Pair 4 - WHITE - BROWN / BROWN

Applications :

- Gigabit Ethernet
- ATM 622 or higher
- Broadband video (77 channels, 550MHz)
- DC Resistance Unbalanced (percent), max.
- Pair-to-Ground Capacitance Unbalanced (pF/100 meters), Max
- Impedance (ohms)

HIGH FREQUENCY ELECTRICAL PARAMETERS						
FREQ (MHz)	ATT (dB/100m) max.	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB@100 m) min.	PS.ACRF (dB@ 100 m) min	Return Loss (dB/100m)
1	2.1	65.0	62.0	63.3	60.3	19.0
4	4.0	63.0	60.5	51.2	48.2	19.0
8	5.7	58.2	55.6	45.2	42.2	19.0
10	6.3	56.6	54.0	43.3	40.3	19.0
16	8.0	53.2	50.6	39.2	36.2	18.0
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0

Ordering Information

LZ-C06305V-LANZONE Cat 6 UTP 4 Pair Cable -305 meters box.