LANZONE
Power Of Technology

Introduction:

Category 5e 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 5e 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 5e 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

- 24 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 Meter Marked PVC Sheath

- 305m Easy Pull No Tangle Box Easy to Handle and Install

Technical Specifications:

General / Environmental:

Operating temperature: -20 to +60 C

Max pulling tension: 86 N

Cat5e UTP Cable Rev: 1 Ver: 1 Dt: 7.8.14

Physical specifications:

Material: Solid bare copper wire

Size: 24 AWG

Insulation: HDPE High Density Polyethylene

DC Resistance: 9.38W / 100m @ 20 C(Max)

Sheath / Jacket Material: PVC

Overall Diameter: 5.5mm ± 0.2mm

Electrical Characteristics:

Conductor Resistance: Max. 9.38Ω /100m

Resistance Unbalance: Max. 2%

Insulation Resistance: Min. 150Ω /KM

Mutual Capacitance: Max. 5600pF/100m

Capacitance Unbalance: Max. 330pF/100m

Impedance: 100+/-15 Ω

Mechanical Properties

Temperature Range: -20 up to +75C

Tensile strength: Min. 1.68kg/mm 2

Color coding of Pairs :

Pair 1 - WHITE - BLUE / BLUE

Pair 2 - WHITE - ORANGE / ORANGE

Pair 3 - WHITE - GREEN / GREEN

Pair 4 - WHITE - BROWN / BROWN

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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)

Frequency MHz	ATT (dB/ 100m) max.	NEXT (dB) min.	Ps-NEXT (dB) min.	ELFEXT (dB) min.	Ps-ELFEXT (dB) min.	R.L. (Db @ 100 m) min.
1	2.0	65.3	62.3	63.8	60.8	20
4	4.1	56.3	53.3	51.7	48.7	23
8	5.8	51.8	48.8	45.7	42.7	25
10	6.5	50.3	47.3	43.8	40.8	25
16	8.2	47.3	44.2	39.7	36.7	25
20	9.3	48.5	42.8	37.7	34.7	25
25	10.4	44.3	41.3	35.8	32.8	24
31.25	11.6	42.9	39.9	33.9	30.9	24
62.5	17.0	38.4	35.4	27.8	24.8	22
100	22.0	35.3	32.3	23.8	20.8	20

Ordering Information

LZ-C05305V-LANZONE Cat 5e UTP 4 Pair Cable -305 meters box

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