

CAT 6 COPPER CLAD ALUMINUM CABLE



Introduction: Enhanced performance cables for transmission of high speed data, digital and analogue voice and video (RGB) signals of LAN's. Supports Gigabit Ethernet standards (1000 base T). Operates at bandwidth upto 250 MHz for CAT-6. The cable meets the requirements of EIA/TIA 568 B.2 and ISO-11801.

Technical Specifications:

Color coding of Pairs :

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

Conductor: Copper Clad Aluminum. Cables made in solid conductors. 23 AWG size for CAT-6.

Insulation: High Density Polyethylene

Pairs : Two Cores are twisted to form a pair. The lay of the pairs are chosen to minimize the cross talk, and structural return loss (SRL). The four pairs are further laid up. A separator between pairs is inserted in CAT-6 cable to minimize crosstalk between pairs at high frequencies.

Sheath : Non plenum CMR rated FR ROHS PVC

Printing : At every meter with sequential marking

Rip Cord : Polyester

Packing : 305 mtr tangle free cartons.



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.	PS.NEXT (dB) min.	PS.ACR (dB @ 100 m) min.	PS.ELFEXT (dB @ 100 m) min.	R.L. (Db @ 100 m) min.
1	2	72.3	70.3	64.8	20
4	3.8	63.3	59.5	52.7	23
8	5.4	58.8	53.4	46.7	24.5
10	6	57.3	51.3	44.8	25
16	7.6	54.3	46.7	40.7	25
20	8.5	52.8	44.3	38.7	25
25	9.6	51.3	41.7	36.8	24.3
31.25	10.7	49.9	39.2	34.9	23.6
62.5	15.5	45.1	29.9	28.8	21.5
100	19.9	42.3	22.4	24.8	20.1
155	25.3	39.5	14.2	20.9	18.8
200	29.2	37.8	8.6	18.7	18
250	33	36.3	3.3	16.8	17.3

LZ-C06305Y : LANZONE Cat 6 Copper clad Aluminum UTP Cable -305 meters box.

Cat 6 CCA Cable Rev: 1 Ver: 1 Dt: 7.8.14