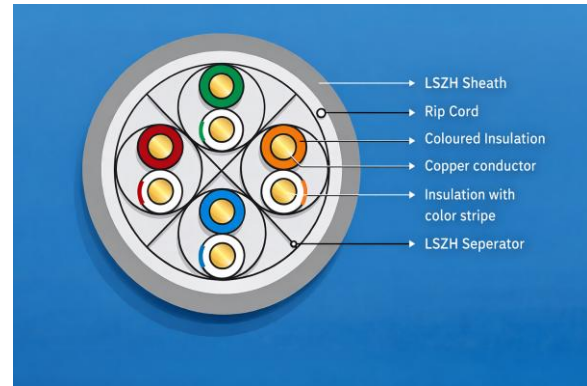




CAT 6 UTP CABLES

CAT 6 UTP LSZH Cable

High-Performance Structured Cabling Solution



APPLICATION

VeiNet CAT 6 UTP LSZH Cable is engineered for high-speed data transmission in enterprise networks, commercial buildings, hospitals, data centers, and industrial environments.

- Gigabit Ethernet (1000Base-T)
- High-speed LAN communication
- Digital & Analog Voice
- Video Transmission
- Smart Building & ELV Systems
- Data Centers & Structured Cabling
- Bandwidth up to 250 MHz
- Exceeds ANSI/TIA-568-C.2 Category 6 & ISO/IEC 11801 Class E standards
- Approvals: CE Listed | RoHS Compliant

ELECTRICAL PROPERTIES

Conductor Resistance: $< 9.38 \Omega / 100m$

Mutual Capacitance: $< 5.6 nF / 100m$

Resistance Unbalance: $\leq 5\%$

Capacitance Unbalance: $\leq 330 pF / 100m$

Delay Skew: $< 45 ns$

COLOR CODE

- 1-2 | White-Orange Stripe and Orange
- 4-5 | White-Blue Stripe and Blue
- 3-6 | White-Green Stripe and Green
- 7-8 | White-Brown Stripe and Brown

CONSTRUCTION

Conductor: **23 AWG Solid Bare Copper**

Insulation: **High Density Polyethylene (HDPE)**

Pair Structure: **4 Twisted Pairs**

Separator: **LSZH Cross Separator**

Rip Cord: **Included**

Outer Sheath: **Low Smoke Zero Halogen (LSZH)**

Insulation Thickness: **0.2mm nominal**

Cable Diameter: **6.1 mm nominal**

Printing: **Sequential Meter Length Marking**

MECHANICAL PROPERTIES

Minimum Bending Radius: **4 × Cable Diameter**

Pulling Force: **11.5 kg**

Operating Temperature: **-20°C to +75°C**

Installation Temperature: **0°C to +50°C**

CONNECTION SYSTEM

Compatible with all common systems according to TIA/EIA 568-C.2 and ISO/IEC 11801 Class E

HIGH FREQUENCY EPECTRICAL PARAMETERS

FREQ. (MHz)	ATT (dB/100m) max	NEXT (dB) min	PS. NEXT (dB) min	ACRF (dB @100m) min	PS. ACRF (dB @100m) min	Return Loss (dB/100m)
1	2.1	65	62	63.3	60.3	19
4	4	63	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54	43.3	40.3	19
16	8	53.2	50.6	39.2	36.2	18
20	9	51.6	49	37.2	34.2	17.5
25	10.1	50	47.3	35.3	32.3	17
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
100	21.3	39.9	37.1	23.3	20.3	12
200	31.5	34.8	31.9	17.2	14.2	9
250	35.9	33.1	30.2	15.3	12.3	8

ORDERING INFORMATION

Part Code	Description
VNT-C6UGRL-305	CAT6UTPLSZH 23AWGSolid: 305M

PACKING

Available in easy-pull Plane boxes/Reels of 305m Length

Canscorp Engineers Private Limited

Shop no. 5, Adinath Alpine Building, Plot no. 28 A, Sector-25,
Khandeshhwar, Panvel, Navi Mumbai, Maharashtra 410209
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