



CAT6 UTP CABLE 24AWG LSZH

108-61017

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Overview

- Category: U/UTP CAT6-4P-LSZH
- This CAT6 UTP cable is designed for high-speed data transmission and is suitable for various networking applications.

Industry Standard

- ISO/IEC 11801
- ANSI/TIA-568.2-D
- IEC 61156-5, IEC 6075402
- EN 50288-6-1
- IEC 61034-1, IEC 61034-2
- EN 60754-1, EN 60754-2
- EN 60332-1-2
- EN 50173-1, EN 50173-4
- EN 13501-6:2014
- IEEE 802.3bt Level 3 & Level 4

Applications

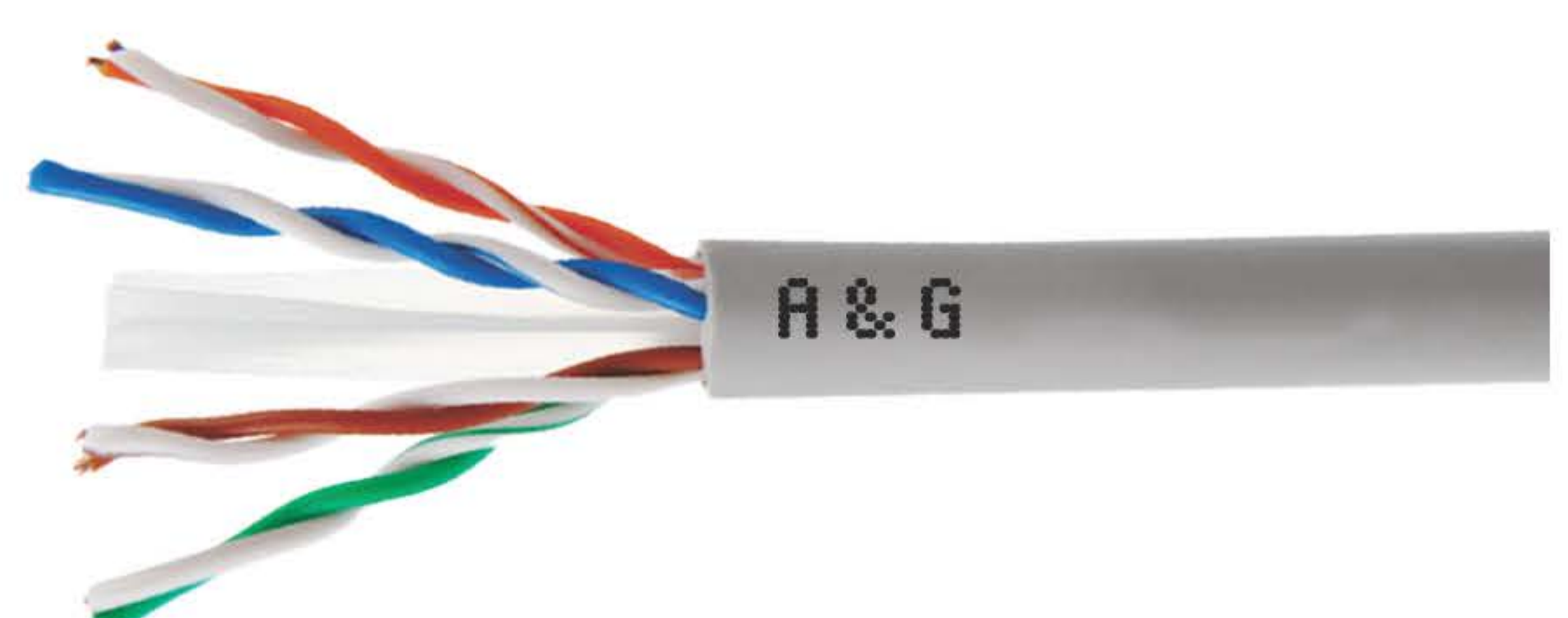
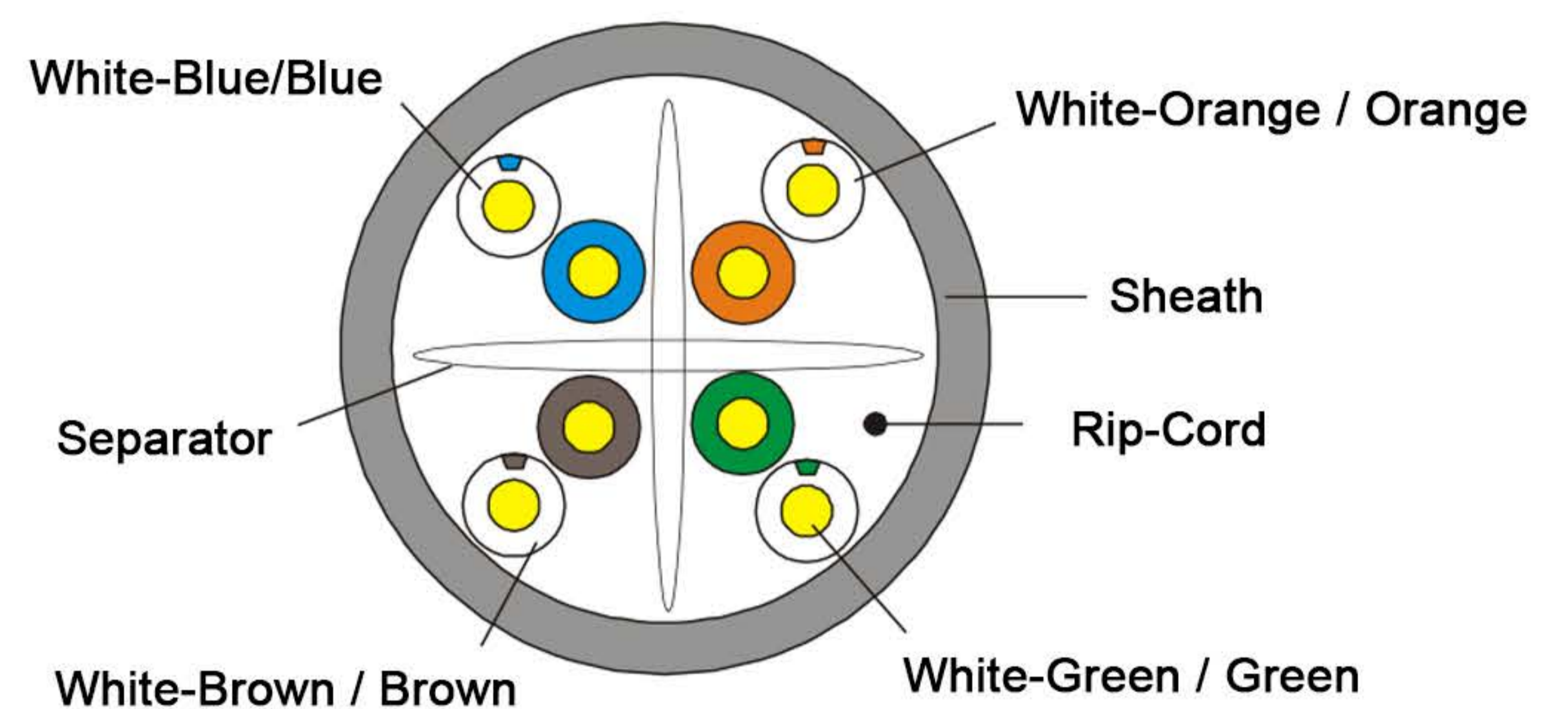
- 10/100/1000Base T
- Telecommunications
- LAN
- Premise wiring

Ordering Information

Part Number	Description
108-61017	CAT. 6 UTP CABLE 24AWG LSZH 305M BOX

General Information

- Conductor Material: SOLID-Bare Copper
- Conductor Nominal Outer Diameter (O.D.): 0.530 mm (+0.005 up, -0.005 down)
- Insulation Material: HDPE (High-Density Polyethylene)
- Insulation Diameter: 0.95±0.05mm
- Sheath Outer Diameter: 5.8±0.4mm
- Sheath Surface: Clean, Frap, Satiation
- Sheath Material: LSZH (complies RoHS)
- Sheath Color: Gray
- Surface Printing Letter height: 3.0±0.3mm, Color: Black, Print error & Space: ≤±0.5%, 1m
- Core Color:
 1. White-Blue / Blue
 2. White-Orange / Orange
 3. White-Green / Green
 4. White-Brown / Brown
- Packing: Wooden Tray & Carton
- Carton Dimension: According to requirements
- Packing Length: (305+1.5)m
- Rip-cord: Yes
- Drain wire: No



PRODUCT TECHNICAL SPECIFICATION | CAT6 UTP CABLE 24AWG LSZH

Product Electrical Characteristics:

- Impedance: $100 \pm 15\% \Omega$
- Delay Skew: ≤ 45 ns/100m
- DC Resistance: max 9.38 Ω /100m
- DC Conductor Resistance Unbalance: max 3.0% (20°C)
- Mutual Capacitance: Max. 5600pF/100m at 1kHz
- Pair to Ground Capacitance Unbalanced: Max. 1600pF/km at 1kHz

Technical Performance (100m)

Frequency (MHz)	RL (\geq dB)	Attenuation (\leq dB)	NEXT (\geq dB)	Delay (\leq ns)
1.0	20.0	2.03	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

Sheath Physical Properties:

- Before Aging: Tensile Strength ≥ 13.5 Mpa, Elongation $\geq 150\%$
- After Aging (100°Cx24hx7d): Tensile Strength ≥ 12.5 Mpa, Elongation $\geq 125\%$
- Cold Bend (-20 \pm 2°Cx4h): No visible cracks, 8xCable O.D.
- Installation Temperature: 0°C to +50°C
- Operating Temperature: -20°C to +60°C

Frequency (MHz)	PSNEXT (db) \geq	ELFEXT (dB) \geq	PSELFEXT (dB) \geq
1.0	72.3	67.8	64.8
4.0	63.3	55.8	52.8
8.0	58.8	49.7	46.7
10.0	57.3	47.8	44.8
16.0	54.4	43.7	40.7
20.0	52.8	37.8	38.8
25.0	41.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8

V4/0121/26

HEADQUARTERS



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CONNECT THE FUTURE

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