



CAT 6 UTP CABLE 24AWG

108-61007

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Overview

- Category: U/UTP CAT6-4P-PVC-CM
- Sheath Printing: A&G CAT.6 U/UTP SOLID 24AWG×4P CM(UL)
- E525067 AG01 ETL VERIFIED to ANSI/TIA-568.2-D 0001M
....0305M (Month/Year)
- This CAT6 UTP cable is designed for high-speed data transmission and is suitable for various networking applications.

Industry Standard

- ISO/IEC11801
- TIA-568.2-D

Applications

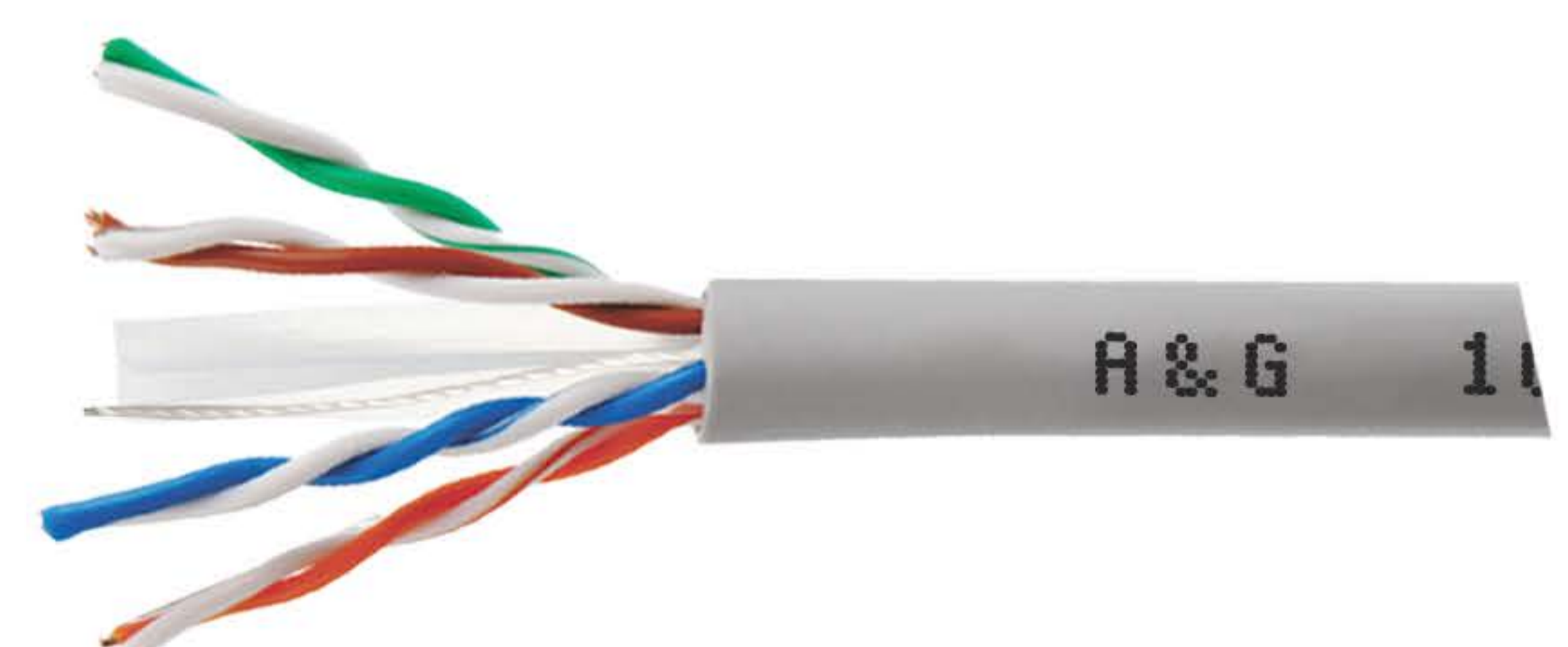
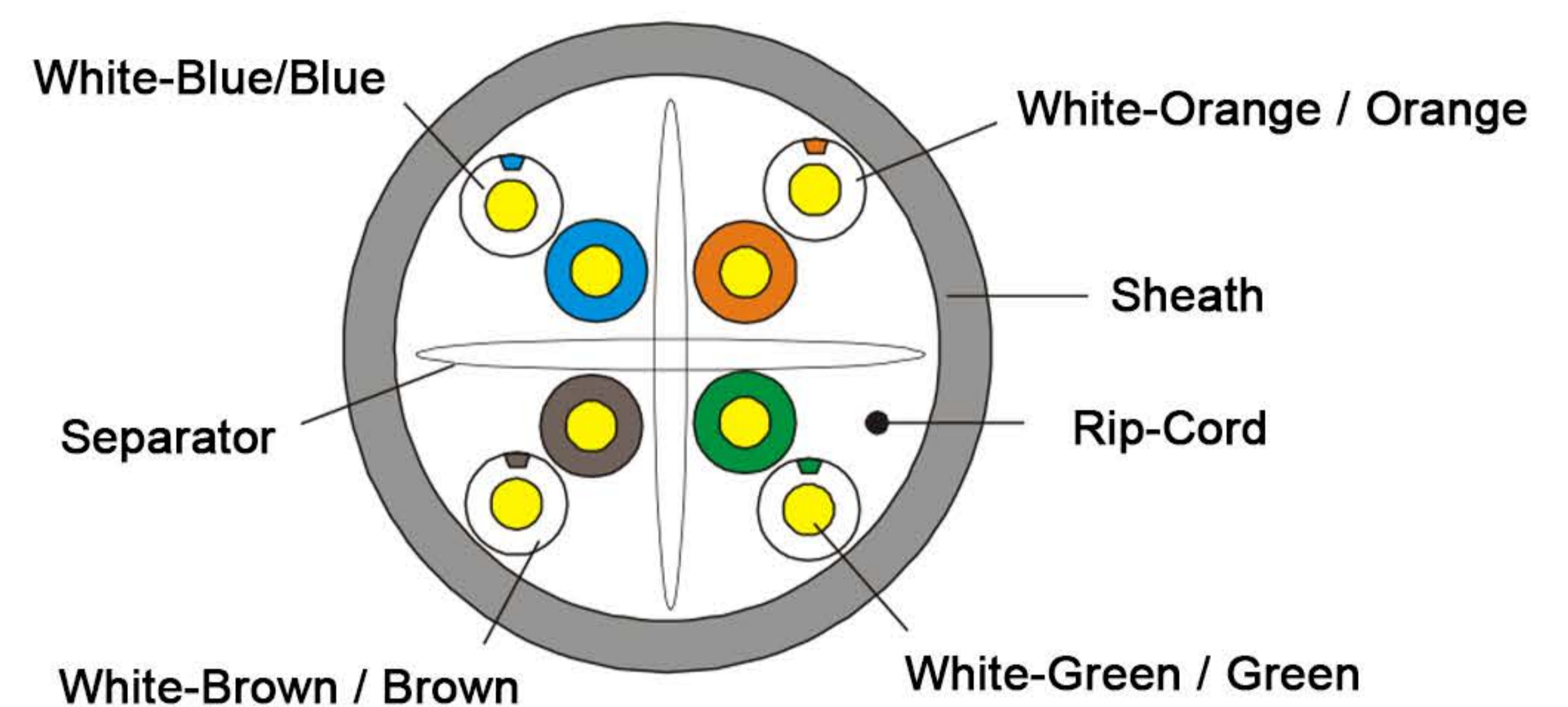
- 10/100/1000Base T
- Telecommunications
- LAN
- Premise wiring

Ordering Information

Part Number	Description
108-61007	CAT. 6 UTP CABLE 24AWG 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: PVC (complies RoHS), CM
- Sheath Color: TBD
- 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 | CAT 6 UTP CABLE 24AWG

Product Electrical Characteristics:

- Impedance (Ω): 100 ± 15 (1.0-250.0MHz)
- Delay Skew (ns/100m): ≤ 45 (1.0-250.0MHz)
- DC Resistance ($\Omega/100m$) max: 9.38
- DC Conductor Resistance Unbalance (%) max: 5.0

Sheath Physical Properties:

- Thickness: 0.55 ± 0.05 mm
- Before Aging: Tensile Strength (Mpa): ≥ 13.5 , Elongation (%): ≥ 150
- Aging Period ($^{\circ}C \times hrs$): $100^{\circ}C \times 24h \times 7d$
- After Aging: Tensile Strength (Mpa): ≥ 12.5 , Elongation (%): ≥ 125
- Cold Bend ($-20\pm 2^{\circ}C \times 4h$): $8 \times$ Cable O.D., No visible cracks
- Installation Temperature: $0^{\circ}C$ to $+50^{\circ}C$
- Operating Temperature: $-20^{\circ}C$ to $+60^{\circ}C$

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

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

HEADQUARTERS



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