



CAT 5e UTP CABLE 24AWG LSZH

108-51011

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Overview

- Category: U/UTP CAT5E-4P-LSZH
- Sheath Printing: A&G CAT.5e U/UTP SOLID 24AWG×4P LSZH (UL)
- E525067 AG01 ETL VERIFIED to ANSI/TIA-568.2-D
- CAT. 5e UTP Cable designed for Ethernet networking applications.
- Suitable for indoor network installations.

Industry Standard

- ISO/IEC11801
- TIA-568.2-D

Applications

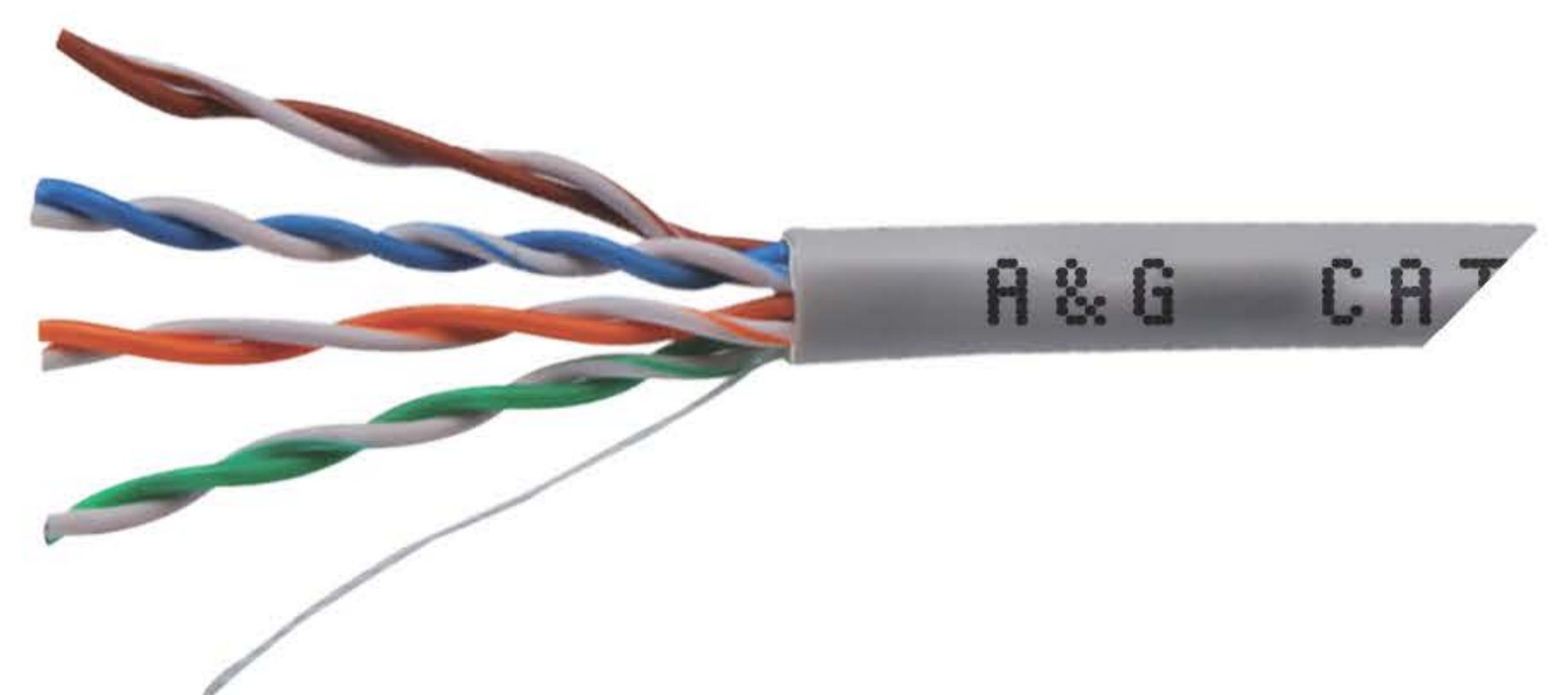
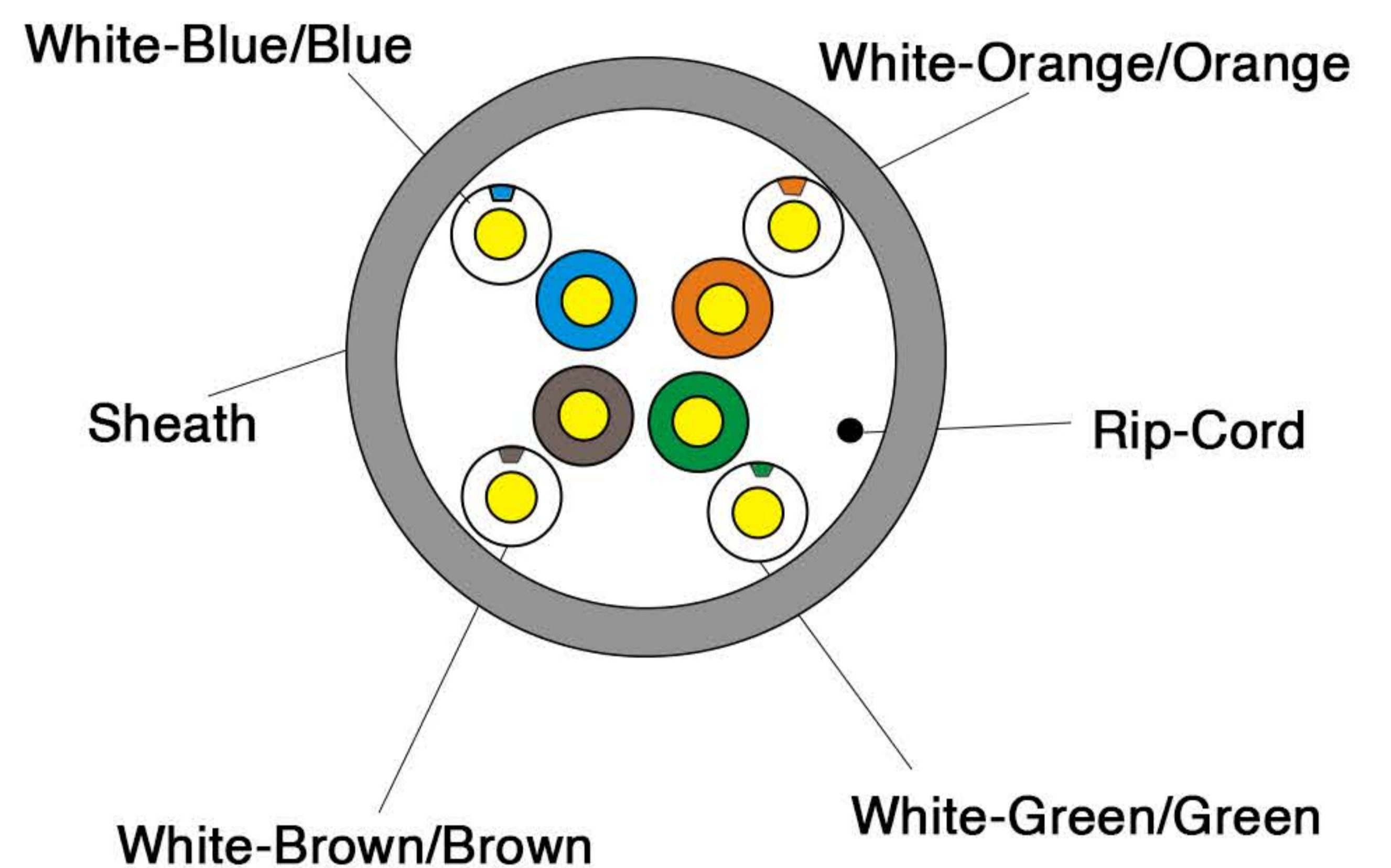
- 100BASE –T Ethernet (IEEE 802.3)
- 10BASE –T (IEEE 802.3)
- 16Mbps Token Ring (IEEE 802.5)
- 100VG- AnyLAN (IEEE 802. 12)
- Voice; T1; ISDN
- 155/622Mbps ATM
- 1000Mbps Gigabit Ethernet
- 550MHz Broadband Video

Ordering Information

Part Number	Description
108-51011	CAT. 5e UTP CABLE 24AWG LSZH 305M BOX

General Information

- Conductor: Solid Bare Copper
- Insulation: High-Density Polyethylene (HDPE)
- Sheath: LSZH, RoHS compliant
- Sheath Thickness: 0.50 ± 0.05 mm
- External Diameter: 5.0 ± 0.4 mm
- Core Color Coding:
 1. White-Blue/Blue
 2. White-Orange/Orange
 3. White-Green/Green
 4. White-Brown/Brown
- Packaging: 305-meter box
- Rip-cord: Yes
- Drain Wire: No



PRODUCT TECHNICAL SPECIFICATION | CAT 5e UTP CABLE 24AWG LSZH

Product Electrical Characteristics:

- 1.0-100.0MHz Impedance(Ω): 100 ± 15
- 1.0-100.0MHz Delay Skew (ns/100m): ≤ 45
- DC Resistance(Ω /100m) max: 9.5
- DC Conductor Resistance Unbalance (%) max: 5.0

Sheath Physical Properties:

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

Technical Performance (100m)

Frequency (MHz)	RL (\geq dB)	Attenuation (\leq dB)	NEXT (\geq dB)	Delay (\leq ns)
1.0	20.0	2.0	65.3	570.00
4.0	23.0	4.1	56.3	552.00
8.0	24.5	5.8	51.8	546.73
10.0	25.0	6.5	50.3	545.38
16.0	25.0	8.2	47.2	543.00
20.0	25.0	9.3	45.8	542.05
25.0	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60

Frequency (MHz)	PSNEXT (db) \geq	ELFEXT (dB) \geq	PSELFEXT (dB) \geq
1.0	62.3	63.8	60.8
4.0	53.3	51.8	48.8
8.0	48.8	45.7	42.7
10.0	47.3	43.8	40.8
16.0	44.4	39.7	36.7
20.0	42.8	37.8	34.8
25.0	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8

HEADQUARTERS



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CONNECT THE FUTURE



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