



# CAT5LSZH-305-W

CAT5, 305m Cable, UTP, LSZH (White)



## Key Features:

- CAT5 solid bare copper cable
- LSZH
- 24AWG
- Metre marked at 1m intervals
- Outer sheath colour : White
- Reaction to fire : Dca,s2,d2,a1



## SPECIFICATIONS

<b>Model Number</b>	CAT5LSZH-305-W
<b>Material</b>	Solid Bare Copper
<b>American Wire Gauge</b>	24AWG
<b>Insulation</b>	
<b>Material</b>	HDPE
<b>Mim. Average Thickness</b>	0.50±0.05 mm
<b>Diameter</b>	0.86±0.05mm
<b>Colour</b>	8-core, Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown
<b>Rip Cord</b>	
<b>Rip Cord</b>	Yes
<b>Drain wire</b>	No

(continued)

**Sheath**

<b>Thickness</b>	0.50±0.05 mm
<b>External O.D</b>	4.9±0.4 mm
<b>Material</b>	LSZH(complies RoHS)
<b>Colour</b>	White
<b>Reaction-to-fire class according to EN 13501-6</b>	Dca
<b>Smoke production class according to EN 13501-6</b>	s2
<b>Euro class flaming droplets /particles according to EN13501-6</b>	d2
<b>Euro class acidity according to EN13501-6</b>	a1

**Sheath Physical Properties**

<b>Before Aging Tensile Strength (Mpa)</b>	≥10.0
<b>Elongation(%)</b>	≥125
<b>Aging Period(°C×hrs)</b>	100°C×24h×7d
<b>Cold bend(-20±2°C×4h) 8×Cable O.D.</b>	No visible cracks

**Electrical Characteristics (20°C)**

<b>1.0-250.0 Mhz Impedance</b>	100±15
<b>1.0-250.0 Mhz Delay Scew</b>	≤45
<b>DC ResistanceΩ/100m) max</b>	11.0
<b>DC Conductor Resistance</b>	5.0
<b>Unbalance(%) max</b>	

**Packaging**

<b>Length</b>	305m (1000.66 ft) ± 1.5 m (4.92 ft)
<b>Packaging Dimensions</b>	350mm × 350mm × 220mm (L × W × H)
<b>Net Weight</b>	8.4kg±0.6kg
<b>Gross Weight</b>	8.98kg±0.6kg

**Executive Standard**

<b>Executive Standard</b>	ISO/IEC 11801, TIA-568-C.2
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### Technical Performance (100m)

Frequency (MHz)	RL ≥dB	ELFEXT ≥dB	NEXT ≥dB	ATT(20°C) ≥dB	PSNEXT ≥dB	Phase DELAY ≥ns	PSELFEXT ≥dB
1	20.0	63.8	65.3	2.0	62.3	570.00	60.8
4	23.0	51.8	56.3	4.1	53.3	552.00	48.8
8	24.5	45.7	51.8	5.8	48.8	546.73	42.7
10	25.0	43.8	50.3	6.5	47.3	545.38	40.8
16	25.0	39.7	47.2	8.2	44.4	543.00	36.7
20	25.0	37.8	45.8	9.3	42.8	542.05	34.8
25	24.3	35.8	44.3	10.4	41.3	541.20	32.8
31.25	23.6	33.9	42.9	11.7	39.9	540.44	30.9
62.5	21.5	27.9	38.4	17.0	35.4	538.55	24.9
100	20.1	23.8	35.3	22.0	32.3	537.60	20.8