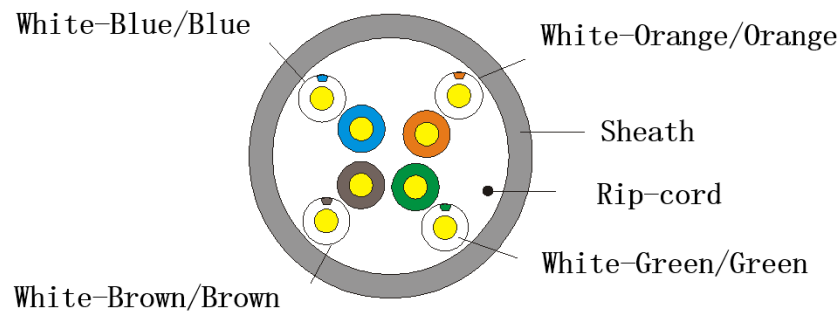


DS-1LN5EUSL5

U/UTP Cat5E LSZH 24AWG CPR Eca Cable

Feature and Function

- Stable electrical performance, compliant with ANSI/TIA-568.2-D, IEC61156, ISO/IEC11801.
- Compliant with RoHS 2.0.
- Sheath with strong mechanical properties, and high tensile and compressive strength, reducing damage during the project.
- Excellent performance in the Fluke 90-meter permanent link test while working continuously at 50°C high temperature.
- Excellent performance in the Fluke 100-meter channel test while being continuously loaded with 57 V/1 A DC power (PoE).
- Solid-Bare Copper conductor with less resistance, and better electrical properties and transmission performance.



Specification

Model	DS-1LN5EUSL5	
Category	Cat.5E	
Reference standard	ISO/IEC11801, ANSI/TIA-568.2-D, RoHS 2.0	
Fire resistance	CPR Eca	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	0.50 ± 0.005 mm 24AWG
Insulation	Material	HDPE
	Diameter	0.90 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.10 mm
	Diameter	5.00 ± 0.40 mm
	Material	LSZH
	Color	White
Rip-cord	Yes	
Separator	No	
Sheath physical properties	Before aging	Tensile strength ≥ 10.0 Mpa Elongation ≥ 125%
	Aging period	100°C × 24h × 10d
	After aging	Tensile strength ≥ 8.0 Mpa Elongation ≥ 100%
	Cold bend	-20 ± 2°C × 4h, 8 × cable O.D, no visible cracks
Electrical	1.0-100.0 MHz impedance	100 ± 15 Ω
	1.0-100.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	≤ 9.38 Ω/100 m
	DC conductor resistance unbalance	≤ 4.0%
Characteristics (20°C)	Package dimension	297 mm (W) × 310 mm (H) × 257 mm (D)
	Weight	11 ± 1kg
	Cable length	(305 ± 1.5) m
	Ambient temperature	-20°C to 75°C (-4°F to 167°F)
	Operating voltage	57 V

Technical Performance (100 m)

Frequency (MHz)	ATT (20 °C) ≤ (dB)	RL ≥(dB)	NEXT ≥(dB)	PS NEXT ≥(dB)	EL FEXT ≥(dB)	PS EL FEXT ≥(dB)	Phase delay ≤(ns)
1	2.0	20.0	65.3	62.3	63.8	60.8	570
4	4.1	23.0	56.3	53.3	51.8	48.8	552
8	5.8	24.5	51.8	48.8	45.7	42.7	547
10	6.5	25.0	50.3	47.3	43.8	40.8	545
16	8.2	25.0	47.2	44.4	39.7	36.7	543
20	9.3	25.0	45.8	42.8	37.8	34.8	542
25	10.4	24.3	44.3	41.3	35.8	32.8	541
31.25	11.7	23.6	42.9	39.9	33.9	30.9	540
62.5	17.0	21.5	38.4	35.4	27.9	24.9	539
100	22.0	20.1	35.3	32.3	23.8	20.8	538

Available Model

DS-1LN5EUSL5

Distributed by



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