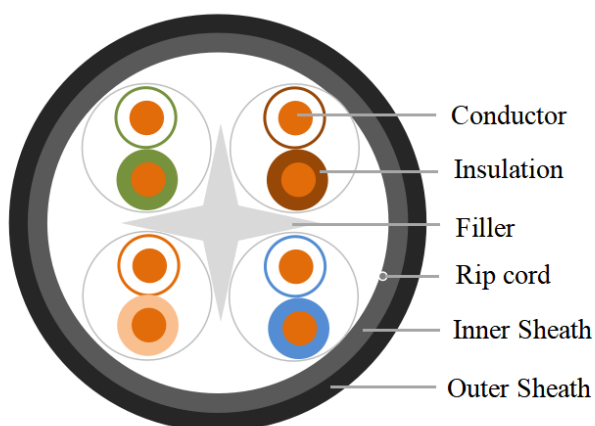


DS-1LN6OUZLE**U/UTP Cat6 LSZH+PE 24AWG Cable****Key Feature**

- Stable electrical performance, compliant with ANSI/TIA-568.2-E.
- Solid-Bare Copper conductor with less resistance, and better electrical properties and transmission performance.
- Sheath with strong mechanical properties, and high tensile and compressive strength, reducing damage during the project.
- Excellent performance in the Fluke permanent link test (90m) and channel test (100m).
- Support PoE application.
- Compliant with RoHS 2.0.



Specification

Model	DS-1LN6OUZLE	
Category	Cat.6	
Reference standard	ANSI/TIA-568.2-E, RoHS 2.0	
Fire resistance	CPR Fca	
Conductor	Material	Solid-Bare Copper (99.99%)
	Diameter	0.500±0.005 mm 24AWG
Insulation	Material	HDPE
	Diameter	0.91±0.05mm
Sheath(outer)	Thickness	0.50±0.10mm
	Diameter	6.7±0.5mm
	Material	PE
	Color	Black
Sheath(inner)	Thickness	0.50±0.10mm
	Diameter	5.7±0.5mm
	Material	LSZH
	Color	White
Rip-cord	Yes	
Separator	Yes	
Sheath physical properties (outer)	Before aging	Tensile strength ≥ 10.0 Mpa Elongation ≥ 350%
	Aging period	100°C × 24h × 7d
	After aging	Tensile strength ≥ 10.0 Mpa Elongation ≥ 300%
	Cold bend	-20 ± 2°C × 4h, 8 × cable O.D, no visible cracks
Electrical Characteristics (20°C)	Characteristic impedance	100 ± 8 Ω @ 100 MHz
	1.0-250.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	≤ 9.38 Ω/100 m
	DC conductor resistance unbalance	≤ 4.0%
	Package dimension	375 mm (L) × 322mm (W) × 375mm (H)
	Weight	15.1± 1.0kg
	Cable length	(305 ± 1.5) m
	Ambient temperature	-20°C to 75°C
	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	2.02	20	74.3	72.3	67.8	64.8	570
4	3.78	23	65.3	63.3	55.8	52.8	552
8	5.32	24.5	60.8	58.8	49.7	46.7	546.73
10	5.95	25	59.3	57.3	47.8	44.8	545.38
16	7.55	25	56.2	54.2	43.7	40.7	543
20	8.47	25	54.8	52.8	41.8	38.8	542.05
25	9.51	24.3	53.3	51.3	39.8	36.8	541.2
31.25	10.67	23.6	51.9	49.9	37.9	34.9	540.44
62.5	15.38	21.5	47.4	45.4	31.9	28.9	538.55
100	19.8	20.1	44.3	42.3	27.8	24.8	537.6
200	28.98	18.0	39.8	37.8	21.8	18.8	536.54
250	32.85	17.3	38.3	36.3	19.8	16.8	536.27

Available Model

DS-1LN6OUZLE

See Far, Go Further



www.hikvision.com
support@hikvision.com

