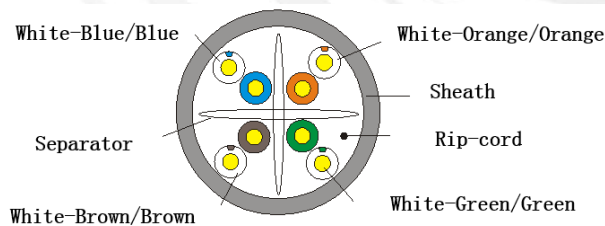


DS-1LN6UZC0

U/UTP Cat6 PVC 24AWG Cable

Key Feature

- 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 57V/1A DC power (PoE).
- Solid-Bare Copper conductor with less resistance, and better electrical properties and transmission performance.



Specification

Model	DS-1LN6UZC0	
Category	Cat.6	
Reference standard	ISO/IEC11801, ANSI/TIA-568.2-D, RoHS 2.0	
Fire resistance	No	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	0.50 ± 0.01 mm 24AWG
Insulation	Material	HDPE
	Diameter	0.88 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.05 mm
	Diameter	5.30 ± 0.50 mm
	Material	PVC
	Color	Grey, Orange
Rip-cord	Yes	
Separator	Yes	
Sheath physical properties	Before aging	Tensile strength ≥ 13.5 Mpa Elongation $\geq 150\%$
	Aging period	$100^{\circ}\text{C} \times 24\text{h} \times 10\text{d}$
	After aging	Tensile strength ≥ 12.5 Mpa Elongation $\geq 125\%$
	Cold bend	$-20 \pm 2^{\circ}\text{C} \times 4\text{h}$, $8 \times$ cable O.D, no visible cracks
Electrical Characteristics (20°C)	1.0-250.0 MHz impedance	$100 \pm 15 \Omega$
	1.0-250.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	$\leq 9.38 \Omega/100$ m
	DC conductor resistance unbalance	$\leq 4.0\%$
	Package dimension	390 mm X 390 mm X 210mm
	Weight	9.9 ± 0.5 kg
	Cable length	(305 ± 1.5) m
	Ambient temperature	-20°C to 70°C
	Operating voltage	57 V