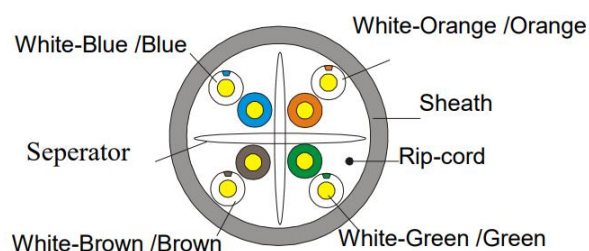


DS-1LN6U-W/CCA**U/UTP CAT6 4P 23AWG CCA PVC Cable**

Key Feature

- Stable electrical performance, compliant with ANSI/TIA-568.2-D.
- Sheath with strong mechanical properties, and high tensile and compressive strength, reducing damage during the project.
- Excellent performance in the Fluke 90-meter channel test.
- Meet CE CPR Eca flame retardant class certified.
- Compliant with RoHS 2.0.



Specification

Model	DS-1LN6U-W/CCA	
Category	Cat.6	
Reference standard	ANSI/TIA-568.2-D, RoHS 2.0	
Fire resistance	CPR Fca	
Conductor	Material	CCA (Copper content $\geq 27\%$)
	Diameter	0.585 ± 0.01 mm
Insulation	Material	HDPE
	Diameter	1.05 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.05 mm
	Diameter	6.0 ± 0.3 mm
	Material	PVC
	Color	White
Rip-cord	Yes	
Separator	Yes	
Sheath physical properties	Before aging	Tensile strength ≥ 13.5 Mpa Elongation $\geq 150\%$
	Aging period	$100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$
	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	$\leq 12 \Omega/100$ m
	DC conductor resistance unbalance	$\leq 4.0\%$
	Package dimension	400 mm $\times$ 400 mm $\times$ 240 mm
	Weight	9.85 ± 0.5 kg
	Cable length	305 ± 1.5 m
	Ambient temperature	-20°C to 70°C
	Operating voltage	57 V

Technical Performance (Fluke 90-meter permanent link)

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	45.0
4	4.0	23.0	56.3	53.3	52.0	49.0	45.0
8	5.8	24.5	51.8	48.8	45.9	42.9	45.0
10	6.5	25.0	50.3	47.3	44.0	41.0	45.0
16	8.2	25.0	47.2	44.2	39.9	36.9	45.0
20	9.3	25.0	45.8	42.8	38.0	35.0	45.0
25	10.4	24.3	44.3	41.3	36.0	33.0	45.0
31.25	11.7	23.6	42.9	39.9	34.1	31.1	45.0
62.5	17.0	21.5	38.4	35.4	28.1	25.1	45.0
100	22.0	20.1	35.3	32.3	24.0	21.0	45.0

Available Model

DS-1LN6U-W/CCA

See Far, Go Further



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