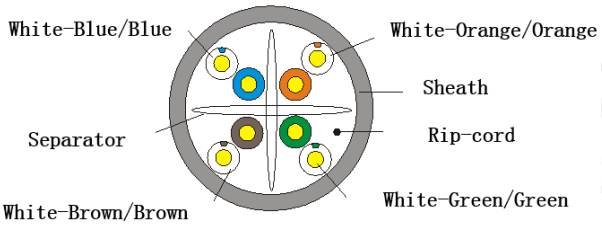
DS-1LN6UU/CCA

U/UTP Cat6 PVC 23AWG CCA Cable

Key Feature

- Stable electrical performance, compliant with ANSI/TIA-568.2-D.
- 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 channel test.
- meet CE CPR Eca flame retardant class certified.





Specification

Model	DS-1LN6UU/CCA	
Category	Cat.6	
Reference standard	ANSI/TIA-568.2-D, RoHS 2.0	
Fire resistance	CPR Eca	
Conductor	Material	CCA (Copper content ⩾ 22%)
	Diameter	0.57 ± 0.01 mm 23AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.05 mm
Sheath	Thickness	0.55 ± 0.05 mm
	Diameter	6.4 ± 0.50 mm
	Material	PVC
	Color	Grey
Rip-cord	Yes	
Separator	Yes	
Sheath physical properties	Before aging	Tensile strength ⩾ 13.5 Mpa Elongation ⩾ 150%
	Aging period	100°C × 24h × 10d
	After aging	Tensile strength ⩾ 12.5 Mpa Elongation ⩾ 125%
	Cold bend	-20 ± 2°C × 4h, 8 × cable O.D, no visible cracks
Electrical Characteristics (20°C)	1.0-250.0 MHz impedance	100 ± 15 Ω
	1.0-250.0 MHz delay skew	⩽ 45 ns/100 m
	DC resistance	⩽ 12 Ω/100 m
	DC conductor resistance unbalance	⩽ 4.0%
	Package dimension	410 mm X 410 mm X 240mm
	Weight	10.5 ± 0.5 kg
	Cable length	(305 ± 1.5) m
	Ambient temperature	-10°C to 60°C
	Operating voltage	57 V

Technical Performance (Fluke 90-meter channel)

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	RL (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-N (dB)	PS ACR-F (dB)
1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3
4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2
8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2
20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2
25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3

Available Model

DS-1LN6UU/CCA

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