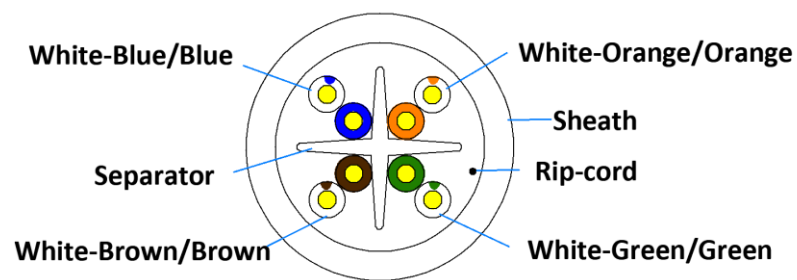


NC-1LN6UU/CCA/M U/UTP Cat6 23AWG

Key Feature

- Stable electrical performance, compliant with ANSI/TIA-568.2-D.
- Compliant with RoHS 2.0.
- Sheath with good mechanical properties, and high tensile and compressive strength, reducing damage during the project.



Specification

Model	NC-1LN6UU/CCA/M	
Category	Cat.6	
Reference standard	ANSI/TIA-568.2-D, RoHS 2.0	
Fire resistance	CPR Fca	
Conductor	Material	CCAM
	Diameter	0.57 ± 0.01 mm (23AWG)
Insulation	Material	PE
	Diameter	0.98 ± 0.05 mm
Sheath	Thickness	0.55 ± 0.1 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 ≥ 150%
	Aging period	100 °C × 24 h × 10 d
	After aging	Tensile strength ≥ 12.5Mpa Elongation ≥ 125%
	Cold bend	-20°C 4h, no visible cracks
Electrical Characteristics (20°C)	1.0-250.0 MHz impedance	100 ± 15 Ω @ ≤ 250 MHz
	1.0-250.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	≤ 20.5 Ω/100 m
	DC conductor resistance unbalance	≤ 5.0%
	Package dimension	410 mm (D) × 410 mm (W) × 240 mm (H)
	Weight	8 ± 0.5 kg
	Cable length	305 m
	Operating temperature	-20 °C to 70 °C
	Operating voltage	57 V

Technical Performance (70m)

Frequency (MHz)	ATT (20 °C) ≤ (dB)	RL ≥(dB)	NEXT ≥(dB)	PS NEXT ≥(dB)	EL FEXT ≥(dB)	PS EL FEXT ≥(dB)	Phase delay ≤(ns)
1	2.03	20.0	74.3	72.3	67.8	64.8	570
4	3.78	23.0	65.3	63.3	55.8	52.8	552
8	5.32	24.5	60.8	58.8	49.7	46.7	547
10	5.95	25.0	59.3	57.3	47.8	44.8	545
16	7.55	25.0	56.2	54.2	43.7	40.7	543
20	8.47	25.0	54.8	52.8	41.8	38.8	542
25	9.51	24.3	53.3	51.3	39.8	36.8	541
31.25	10.67	23.6	51.9	49.9	37.9	34.9	540

62.5	15.38	21.5	47.7	45.4	31.9	28.9	539
100	19.80	20.1	44.3	42.3	27.8	24.8	538
200	28.98	18.0	39.8	37.8	21.8	18.8	537
250	32.85	17.3	38.3	36.3	19.8	16.8	536

▪ Available Model

NC-1LN6UU/CCA/M

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www.hikvision.com
support@hikvision.com



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