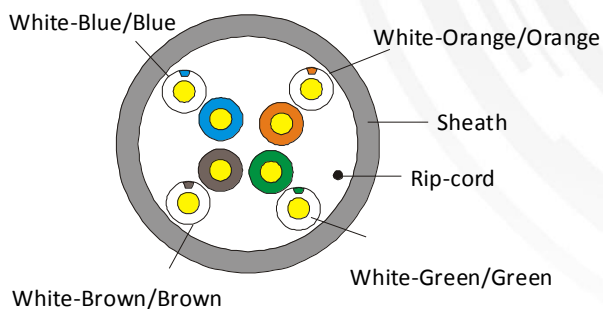


DS-1LN6U-G U/UTP Cat6 PVC 23 AWG Cable

Feature and Function

- Stable electrical performance, compliant with ANSI/TIA-568-C.2, 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 57 V/1 A DC power (PoE).
- Solid-Bare Copper conductor with less resistance, and better electrical properties and transmission performance.



Specification

Model	DS-1LN6U-G	
Category	Cat.6	
Sheath printing	HIKVISION 4PR 23AWG 75°C U/UTP CAT6 VERIFIED TO ANSI/TIA-568-C.2 PVC ****m mm/dd/yyyy Tracing Code-HS	
Reference standard	ISO/IEC11801, ANSI/TIA-568-C.2, RoHS 2.0	
Fire resistance	No	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	0.55 ± 0.005 mm, 23 AWG
Insulation	Material	HDPE
	Diameter	0.98 ± 0.05 mm
Sheath	Thickness	0.50 ± 0.10 mm
	Diameter	6.00 ± 0.30 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 @ ≤ 100 MHz
		100 ± 25 Ω @ 100-250 MHz
	1.0-250.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	≤ 9.38 Ω/100 m
	DC conductor resistance unbalance	≤ 5.0%
	Package dimension	400 mm (W) × 400 mm (H) × 240 mm (D) (15.75" × 15.75" × 9.45")
	Weight	12.3 ± 0.5kg
	Cable length	(305 ± 1.5) m
Ambient temperature	-20°C to 75°C (-4°F to 167°F)	
Operating voltage	60 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	2.0	20.0	74.3	72.3	67.8	64.8	570
4	3.8	23.0	66.3	63.3	56.0	53.0	552
8	5.3	24.5	61.8	58.8	49.9	46.9	547
10	6.0	25.0	60.3	57.3	48.0	45.0	545
16	7.6	25.0	57.2	54.2	43.9	40.9	543
20	8.5	25.0	55.8	52.8	42.0	39.0	542
25	9.5	24.3	54.3	51.3	40.0	37.0	541
31.25	10.7	23.6	52.9	49.9	38.1	35.1	540
62.5	15.4	21.5	48.4	45.4	32.1	29.1	539
100	19.8	20.1	45.3	42.3	28.0	25.0	538
200	29.0	18.0	40.8	37.8	22.0	19.0	537
250	32.8	17.3	39.3	36.3	20.0	17.0	536

Available Model

DS-1LN6U-G

Distributed by



Headquarters

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Letam.support@hikvision.com

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Malaysia
T +601-7652-2413
sales.my@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com