DS-1LN5EU-SC0
U/UTP Cat5E PVC 24 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-1LN5EU-SC0	
Category	Cat.5E	
Sheath printing	HIKVISION CAT5E U/UTP 4PR 24AWG PVC 75℃ VERIFIED TO ANSI/TIA-568-C.2 ****m mm/dd/yyyy Z	
Reference standard	ISO/IEC11801, ANSI/TIA-568-C.2, RoHS 2.0	
Fire resistance	No	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	0.500 ± 0.005 mm, 24 AWG
Insulation	Material	HDPE
	Diameter	0.88 ± 0.04 mm
Sheath	Thickness	0.50 ± 0.05 mm
	Diameter	5.00 ± 0.4 mm
	Material	PVC
	Color	Gray ZLC1003
Rip-cord	No	
Separator	No	
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)	1.0-100.0 MHz impedance	100±15
	1.0-100.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	≤ 9.5 Ω/100 m
	DC conductor resistance unbalance	≤ 5.0%
	Package dimension	350 mm (W) × 350 mm (H) × 200 mm (D)
	Weight	9.8 ± 0.5kg
	Cable length	(305 ± 1.5) m
	Ambient temperature	-20°C to 75°C (-4°F to 167°F)
	Operating voltage	80 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	65.3	62.3	63.8	60.8	570.00
4	4.1	23.0	56.3	53.3	51.8	48.8	552.00
8	5.8	24.5	51.8	48.8	45.7	42.7	546.73
10	6.5	25.0	50.3	47.3	43.8	40.8	545.38
16	8.2	25.0	47.2	44.4	39.7	36.7	543.00
20	9.3	25.0	45.8	42.8	37.8	34.8	542.05
25	10.4	24.3	44.3	41.3	35.8	32.8	541.20
31.25	11.7	23.6	42.9	39.9	33.9	30.9	540.44
62.5	17.0	21.5	38.4	35.4	27.9	24.9	538.55
100	22.0	20.1	35.3	32.3	23.8	20.	537.60

Available Model

DS-1LN5EU-SC0

Distributed by

HIKVISION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Hikvision Colombia
sales.colombia@hikvision.com

© Hikvision Digital Technology Co., Ltd. 2019 | Data subject to change without notice |