

HIKVISION

TECHNICAL DATA SHEET

U/UTP 4Pairs cable-category5E-PVC Sheath

Content of the Data Sheet

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Sheath Printing	HIKVISION U/UTP 4PR CMX CAT5E VERIFIED TO ANSI/TIA-568-C.2 PVC ****m mm/dd/yyyy								
Model	DS-1LN5E-E/E			White-Blue /Blue White-Orange/Orange White- Brown /Brown White- Green /Green Sheath Rip-cord					
Category	U/UTP CAT5E-4P-PVC								
Conductor	Material	Solid-Bare Copper							
		Content	99.95%						
	Nom.O.D.(mm)	0.450	up				+0.005		
down			-0.005						
Insulation	Material	HDPE							
	Diameter	0.82±0.04mm							
Sheath	Thickness	0.50±0.05 mm		FLUKE Technical Performance (≤80m)					
	External O.D.	4.7±0.4 mm		Frequency RL	ATT	NEXT	DELAY		
	Surface	Clean,Frap,Satiation		(MHz)	≥dB	≤dB	≥dB	≤ns	
	Material	PVC(complies RoHS),CMX		1	19.0	3.0	60.0	521	
	Color	Grey ZLC1003		4.0	19.0	3.9	54.8	504	
Surface Printing	Letter height	3.0±0.3mm		8.0	19.0	5.5	50.0	500	
	Color	Black		10.0	19.0	6.2	48.5	498	
	Print error & Space	≤±0.5%, 1m		16.0	19.0	7.9	45.2	496	
Core Color	1 White- Blue /Blue		2 White-Orange /Orange		20.0	19.0	8.9	43.7	495
	3 White- Green /Green		4 White- Brown /Brown		25.0	18.0	10.0	42.1	495
Packing	Wooden Tray & Carton			31.25	17.1	11.2	40.5	494	
Carton dimension	Per request			62.5	14.1	16.2	35.7	492	
Packing length	305±1.5m/80±0.5m			100	12.0	21.0	32.3	491	
Rip-cord	Yes	Drain wire		No	Frequency PSNEXT	ELFEXT		PSELFEXT	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥13.5		(MHz)	≥dB	≥dB	≥dB	
	Elongation(%)		≥150		1	57.0	58.6	55.6	
	Aging Period(℃×hrs)		100℃×24h×7d		4	51.8	46.6	43.6	
	After Aging Tensile Strength(Mpa)		≥12.5		8	47.0	40.6	37.5	
	Elongation(%)		≥125		10	45.5	38.6	35.6	
Electrical Characteristics (20℃)	Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks		16	42.2	34.5	31.5	
	1.0-100.0MHz Impedance(Ω)		100±15		20	40.7	32.6	29.6	
	1.0-100.0MHz Delay Shew (ns/100m)		≤45		25	39.1	30.7	27.7	
	DC Resistance Ω/100m) max		14.8		31.25	37.5	28.7	25.7	
DC Conductor Resistance Unbalance(%) max		5.0		62.5	32.7	22.7	19.7		
Operating Temperature Range: -20℃~70℃				Operating Voltage: Up to 80V					