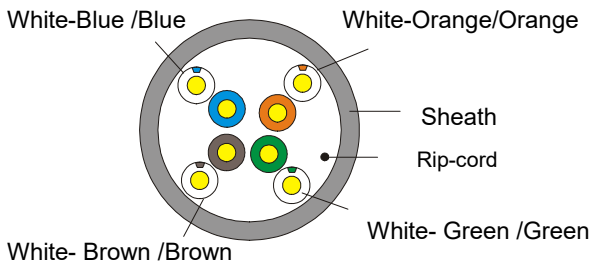
U/UTP 4Pairs cable-category5E-PVC Sheath

Content of the Data Sheet					
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				
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			
	External O.D.	4.7±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	PVC(complies RoHS),CMX			
	Color	Grey ZLC1003			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%，1m			
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			
	3 White- Green /Green	4 White- Brown /Brown			
Packing	Wooden Tray & Carton				
Carton dimension	Per request				
Packing length	305±1.5m/80±0.5m				
Rip-cord	Yes	Drain wire	No		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥13.5 Elongation(%) ≥150				
	Aging Period(℃×hrs) 100℃×24h×7d				
	After Aging Tensile Strength(Mpa) ≥12.5 Elongation(%) ≥125				
	Cold bend(-20±2℃×4h) 8×Cable O.D.，No visible cracks				
Electrical Characteristics (20℃)	1.0-100.0MHz Impedance(Ω) 100±15				
	1.0-100.0MHz Delay Shew (ns/100m) ≤45				
	DC Resistance Ω/100m) max 14.8				
	DC Conductor Resistance Unbalance(%) max 5.0				
Operating Temperature Range：-20℃~70℃					



FLUKE Technical Performance (≤80m)

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	19.0	3.0	60.0	521
4.0	19.0	3.9	54.8	504
8.0	19.0	5.5	50.0	500
10.0	19.0	6.2	48.5	498
16.0	19.0	7.9	45.2	496
20.0	19.0	8.9	43.7	495
25.0	18.0	10.0	42.1	495
31.25	17.1	11.2	40.5	494
62.5	14.1	16.2	35.7	492
100	12.0	21.0	32.3	491

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	57.0	58.6	55.6
4	51.8	46.6	43.6
8	47.0	40.6	37.5
10	45.5	38.6	35.6
16	42.2	34.5	31.5
20	40.7	32.6	29.6
25	39.1	30.7	27.7
31.25	37.5	28.7	25.7
62.5	32.7	22.7	19.7
100	29.3	18.6	15.6

Operating Voltage：Up to 80V