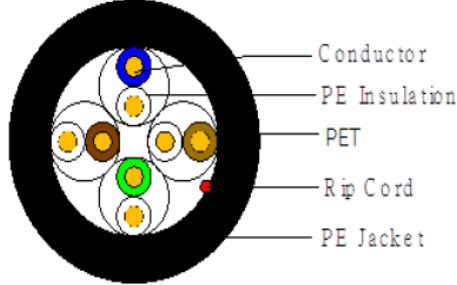


## U/UTP 4Pairs cable-category5E-PE Sheath

### Content of the Data Sheet

Sheath Printing	HIKVISION DATA CABLE 4PR 24AWG U/UTP CAT5E OUTDOOR PE VERIFIED TO ANSI/TIA-568-C.2 ****m mm/dd/yyyy				
Customer Reference	DS-1LN5E0-UU/E				
Category	U/UTP CAT5E-4P- PE				
Reference Standard	ANSI/TIA-568-C.2				
Conductor	Material	Solid-Bare Copper			
		Content	99.99%		
	Nom.O.D.(mm)	0.500 (24AWG)	up	+0.01	
			down	-0.01	
Insulation	Material	HDPE			
	Diameter	0.88±0.03mm			
Sheath	Thickness	0.55±0.03 mm			
	External O.D.	5.0±0.3 mm			
	Surface	Clean,Frap,Satiation			
	Material	PE			
	Color	Black			
Surface Printing	Letter height	2.8mm			
	Color	White			
	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±0.5)m				
Rip-cord	Yes	Drain wire	No		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10			
	Elongation(%)	≥300			
	Aging Period(°C×hrs)	100°C×24h×10d			
	After Aging Tensile Strength(Mpa)	≥12.5			
	Elongation(%)	≥125			
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15			
	1.0-100.0MHz Delay Skew (ns/100m)	≤552			
	DC Resistance(Ω/100m) max	9.5			
	DC Conductor Resistance Unbalance(%) max	2.0			
Ambient temperature: -20°C - 60°C		Operating Voltage: ≤60V			



Technical Performance(100m) :

Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	Phase DELAY ≤ns
1	20.0	2.0	65.3	45.0
4.0	23.0	4.0	56.3	45.0
8.0	24.5	5.8	51.8	45.0
10.0	25.0	6.5	50.3	45.0
16.0	25.0	8.2	47.2	45.0
20.0	25.0	9.3	45.8	45.0
25.0	24.3	10.4	44.3	45.0
31.25	23.6	11.7	42.9	45.0
62.5	21.5	17.0	38.4	45.0
100	20.1	22.0	35.3	45.0

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.3	63.8	60.8
4	53.3	52.0	49.0
8	48.8	45.9	42.9
10	47.3	44.0	41.0
16	44.2	39.9	36.9
20	42.8	38.0	35.0
25	41.3	36.0	33.0
31.25	39.9	34.1	31.1
62.5	35.4	28.1	25.1
100	32.3	24.0	21.0