

U/UTP 4Pairs CCA cable-category6-PVC Sheath

Content of the Data Sheet

Sheath Printing	HIKVISION U/UTP 4PR CAT6 CCA PVC xxxxm mm/dd/yyyy Tracing Code-HS			
Model	DS-1LN6U-W/CCA			
Category	CAT. 6 CCA U/UTP 4x2x23AWG/1 PVC			
Conductor	Material	CCA (Copper content: 27%)		
	Nom.O.D.(mm)	0.585	up down	+0.01 -0.01
Insulation	Material	Solid HDPE		
	Diameter	1.05±0.05mm		
Sheath	Thickness	0.50±0.05 mm		
	External O.D.	6.0±0.30 mm		
	Surface	Clean, Frap, Satiation		
	Material	FR-PVC(complies RoHS)		
	Color	White RAL9003		
Surface Printing	Letter height	2.5±0.2mm		
	Color	Black		
	Print error & Space	≤±0.5%, 1m		
	Core Color	1 Blue & White/ Blue 3 Green & White/ Green	2 Orange & White/ Orange 4 Brown & White/ Brown	
Packing	Carton			
Carton dimension	41x41x24cm			
Packing length	(305±1.5)m			
Rip-cord	Yes	Drain wire	No	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5	
		Elongation(%)	≥150	
	Aging Period(°Cxhrs)	100°Cx24hx7d		
	After Aging	Tensile Strength(Mpa)	≥12.5, variance ratio: ±25%	
		Elongation(%)	≥125, variance ratio: ±20%	
	Cold bend(-20±2°Cx4h)	8xCable O.D., No visible cracks		
Electrical Characteristics (20°C)	1.0-100.0MHz	Impedance(Ω)	100±15	
	100 - 250MHz	Impedance(Ω)	100±25	
	1.0-100.0MHz	Delay Shew (ns/100m)	≤45	
		DC ResistanceΩ/100m) max	12	
		DC Conductor Resistance Unbalance(%) max	2	

Technical Performance(90m Fluke Link test):					
	Frequency	RL	ATT	NEXT	Phase DELAY
	(MHz)	dB	dB/100m	dB	ns/100m
	Min.	Max.	Min.	Max.	
4	23.0	3.8	66.3	552	
8	24.5	5.3	61.8	547	
10	25.0	6.0	60.3	545	
16	25.0	7.6	57.2	543	
20	25.0	8.5	55.8	542	
25	24.3	9.5	54.3	541	
31.25	23.6	10.7	52.9	540	
62.5	21.5	15.4	48.4	539	
100	20.1	19.8	45.3	538	
200	18.0	29.0	40.8	537	
250	17.3	32.8	39.3	536	
	Frequency	PSNEXT	ELFEXT	PSELFEXT	
	(MHz)	dB	dB	dB	
	Min.		Min.	Min.	
4	63.3		56.0	53.0	
8	58.8		49.9	46.9	
10	57.3		48.0	45.0	
16	54.2		43.9	40.9	
20	52.8		42.0	39.0	
25	51.3		40.0	37.0	
31.25	49.9		38.1	35.1	
62.5	45.4		32.1	29.1	
100	42.3		28.0	25.0	
200	37.8		22.0	19.0	
250	36.3		20.0	17.0	

Ambient temperature: -20°C - 70°C