

U/UTP 4Pairs cable-category5E-PVC Sheath

Content of the Data Sheet

Sheath Printing	HIKVISION E484059-Z CM (UL) 4PR 24AWG 75°C U/UTP CAT5E VERIFIED TO ANSI/TIA-568-C.2 PVC ****m mm/dd/yyyy							
Customer Reference	DS-1LN5E-S							
Category	U/UTP CAT5E-4P- PVC-CM							
Reference Standard	ISO/IEC11801、TIA-568-C.2、UL444							
Conductor	Material	Solid-Bare Copper						
		Content	99.95%					
Conductor	Nom.O.D.(mm)	0.500 (24AWG)	up +0.005					
			down -0.005					
Insulation	Material	HDPE						
	Diameter	0.88±0.04mm						
Sheath	Thickness	0.50±0.05 mm		Technical Performance(100m):				
	External O.D.	5.0±0.4 mm		Frequency RL	ATT (20°C)	NEXT	Phase DELAY	
	Surface	Clean,Frap,Satiation		(MHz)	≥dB	≤dB	≥dB	≤ns
	Material	PVC(complies RoHS),CM		1	20.0	2.0	65.3	570.00
	Color	Grey ZLC1003		4.0	23.0	4.1	56.3	552.00
Surface Printing	Letter height	3.0±0.3mm		8.0	24.5	5.8	51.8	546.73
	Color	Black		10.0	25.0	6.5	50.3	545.38
	Print error & Space	≤±0.5%, 1m		16.0	25.0	8.2	47.2	543.00
				20.0	25.0	9.3	45.8	542.05
Core Color	1 White- Blue /Blue	2 White-Orange /Orange		25.0	24.3	10.4	44.3	541.20
	3 White- Green /Green	4 White- Brown /Brown		31.25	23.6	11.7	42.9	540.44
Packing	Wooden Tray & Carton		62.5	21.5	17.0	38.4	538.55	
Carton dimension	Per request		100	20.1	22.0	35.3	537.60	
Packing length	(305±1.5)m		Frequency PSNEXT	ELFEXT		PSELFEXT		
Rip-cord	Yes	Drain wire	No	(MHz)	≥dB	≥dB	≥dB	
				1	62.3	63.8	60.8	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5	4	53.3	51.8	48.8	
		Elongation(%)	≥150	8	48.8	45.7	42.7	
	Aging Period(°C×hrs)	100°C×24h×10d		10	47.3	43.8	40.8	
	After Aging	Tensile Strength(Mpa)	≥12.5	16	44.4	39.7	36.7	
		Elongation(%)	≥125	20	42.8	37.8	34.8	
Cold bend(-20±2°C×4h)	8×Cable O.D., No visible cracks		25	41.3	35.8	32.8		
Electrical Characteristics (20°C)	1.0-100.0MHz	Impedance(Ω)	100±15	31.25	39.9	33.9	30.9	
	1.0-100.0MHz	Delay Skew (ns/100m)	≤45	62.5	35.4	27.9	24.9	
	DC Resistance(Ω/100m) max		9.5	100	32.3	23.8	20.8	
	DC Conductor Resistance Unbalance(%) max		5.0					
Ambient temperature:	-20°C - 75°C		Operating Voltage: 80V					