

U/UTP 4Pairs cable-category5E-PVC Sheath

P/N: HK-1191-C5E-001-03

Content of the Data Sheet

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					
Category	U/UTP CAT5E-4P- PVC-CM				
Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019				
Conductor	Material	Solid-Bare Copper			
	Nom.O.D.(mm)	0.500	up	+0.005	
			down	-0.005	
Insulation	Material	HDPE			
	Diameter	0.88±0.03mm			
Sheath	Thickness	0.50±0.05 mm			
	External O.D.	5.0±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	PVC(complies RoHS),CM			
	Color	Multiple			
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±1.5)m				
Rip-cord	Yes	Drain wire	No		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5			
	Elongation(%)	≥150			
	Aging Period(°C×hrs)	100°C×24h×10d			
	After Aging Tensile Strength(Mpa)	≥12.5			
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15			
	1.0-100.0MHz Delay Shew (ns/100m)	≤45			
	DC ResistanceΩ/100m) max	9.5			
	DC Conductor Resistance Unbalance(%) max	5.0			

Technical Performance(100m):

Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	Phase DELAY (ns)
1	20.0	2.0	65.3	570.00
4.0	23.0	4.1	56.3	552.00
8.0	24.5	5.8	51.8	546.73
10.0	25.0	6.5	50.3	545.38
16.0	25.0	8.2	47.2	543.00
20.0	25.0	9.3	45.8	542.05
25.0	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8

Ambient temperature: -20°C - 75°C