

**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 down	+0.005 -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 PSNEXT                      ELFEXT                      PSELFEXT				
(MHz)	≥dB	≥dB	≥dB	≥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