

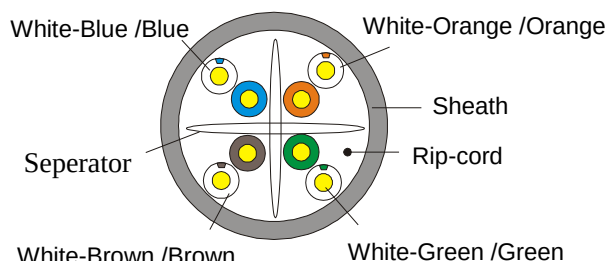


SHOP SMART. SHOP VALUE

SHOP differently



Content of the Data Sheet									
Sheath Printing	HIKVISION E484059-Z (UL) CM 4PR 24AWG					75℃	U/UTP	CAT6	VERIFIED TO ANSI/TIA-568-C.2
	PVC ****m mm/dd/yyyy								
Customer reference	DS-1LN6-UE-W					White-Blue /Blue White-Orange /Orange Sheath Seperator White-Brown /Brown White-Green /Green Rip-cord			
Category	U/UTP CAT6-4P-PVC-CM								
Reference Standard	ISO/IEC11801、TIA-568-C.2、UL444								
Conductor	Material	SOLID-Bare Copper							
		Content	99.95%						
	Nom.O.D.(mm)	0.530	up	+0.005					
			down	-0.005					
Insulation	Material	HDPE							
	Diameter	0.95±0.05mm							
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m):				
	External O.D.	5.8±0.4mm			Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
	Surface	Clean,Frap,Satiation			1	20.0	2.03	74.3	570.00
	Material	PVC(complies RoHS), CM			4.0	23.0	3.78	65.3	552.00
	Color	White RAL9003			8.0	24.5	5.32	60.8	546.73
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.95	59.3	545.38
	Color	Black			16.0	25.0	7.55	56.2	543.00
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.47	54.8	542.05
					25.0	24.3	9.51	53.3	541.20
Core Color	1 White- Blue /Blue		2 White-Orange /Orange		31.25	23.6	10.67	51.9	540.44
	3 White-Green /Green		4 White- Brown /Brown		62.5	21.5	15.38	47.7	538.55
					100	20.1	19.80	44.3	537.60
Packing	Wooden Tray & Carton				200	18.0	28.98	39.8	536.54
Carton dimension	Per request				250	17.3	32.85	38.3	536.27
Packing length	305±1.5m				Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
Rip-cord	Yes	Drain wire		No	1	72.3	67.8	64.8	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥13.5		4	63.3	55.8	52.8	
					Elongation(%)		≥150		8
	Aging Period (℃×hrs)		100℃×24h×10d		10	57.3	47.8	44.8	
					16	54.2	43.7	40.7	
	After Aging Tensile Strength(Mpa)		≥12.5		20	52.8	41.8	38.8	
					Elongation(%)		≥125		25
	Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks		31.25	49.9	37.9	34.9	
					62.5	45.4	31.9	28.9	
Electrical Characteristics (20℃)	1.0-250.0MHz Impedance ((Ω)		100±15		100	42.3	27.8	24.8	
	1.0-250.0MHz Delay Skew (ns/100m)		≤45		200	37.8	21.8	18.8	
	DC Resistance (Ω/100m) max		9.38		250	36.3	19.8	16.8	
	DC Conductor Resistance Unbalance (%)		max 5.0						
Ambient temperature: -20℃ to +75℃					Operating Voltage: 80V				



Technical Performance (100m) :				
Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	2.03	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	41.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8

Ambient temperature: -20°C to +75°C

Operating Voltage: 80V



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