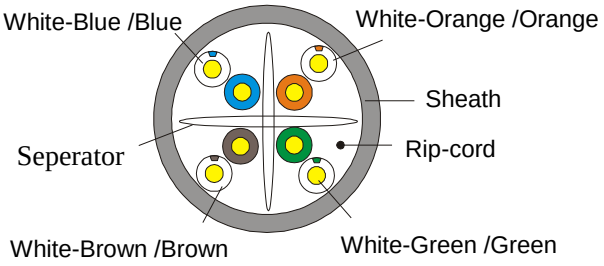
REF :U/UTP 4Pairs cable-category 6-PVC Sheath

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				
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			
	External O.D.	5.8±0.4mm			
	Surface	Clean,Frap,Satiation			
	Material	PVC(complies RoHS), CM			
	Color	White RAL9003			
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±1.5m				
Rip-cord	Yes	Drain wire	No		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥13.5 Elongation(%) ≥150				
	Aging Period (℃×hrs) 100℃×24h×10d				
	After Aging Tensile Strength(Mpa) ≥12.5 Elongation(%) ≥125				
	Cold bend(-20±2℃×4h) 8×Cable O.D.，No visible cracks				
Electrical Characteristics (20℃)	1.0-250.0MHz Impedance ((Ω) 100±15				
	1.0-250.0MHz Delay Skew (ns/100m) ≤45				
	DC Resistance (Ω/100m) max 9.38				
	DC Conductor Resistance Unbalance (%) max 5.0				



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT(20℃) ≤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℃ to +75℃	Operating Voltage：80V