

U/UTP 4Pairs CCA cable-category5E-PVC Sheath

Content of the Data Sheet

Sheath Printing	HIKVISION HiWatch Series U/UTP 4PR Eca CAT5E CCA PVC xxxxm mm/dd/yyyy Tracing Code-HS				
Model	HWC-5EAU-G				
Category	CAT. 5e CCA U/UTP 4x2x24AWG/1 PVC				
Conductor	Material	CCA (Copper content: 23%)			
	Nom.O.D.(mm)	0.50	up	+0.01	
			down	-0.01	
Insulation	Material	Solid HDPE			
	Diameter	0.95±0.05mm			
Sheath	Thickness	0.50±0.05 mm			
	External O.D.	5.0±0.20 mm			
	Surface	Clean, Frap, Satiation			
	Material	FR-PVC(complies RoHS)			
	Color	Gray RAL7037			
Surface Printing	Letter height	2.5±0.2mm			
	Color	Black			
	Print error & Space	≤±0.5%, 1m			
Core Color	1 Blue & White/ Blue		2 Orange & White/ Orange		
	3 Green & White/ Green		4 Brown & White/ Brown		
Packing	Carton				
Carton dimension	36x36x22.5cm				
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×7d			
	After Aging	Tensile Strength(Mpa)	≥12.5, variance ratio: ±25%		
	Elongation(%)	≥125, variance ratio: ±20%			
	Cold bend(-20±2°C×4h)	8×Cable O.D., No visible cracks			
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	13.5		
		DC Conductor Resistance Unbalance(%) max	2		

Technical Performance(90m Fluke channel test):				
Frequency (MHz)	RL	ATT	NEXT	Phase DELAY
	Min. dB	Max. dB/100m	Min. dB	Max. ns/100m
4.0	23.01	4.3	56.3	552
10.0	25.00	6.7	50.3	545
16.0	25.00	8.4	47.3	543
20.0	25.00	9.5	45.8	542
31.25	23.64	11.9	42.9	540
62.5	21.54	17.3	38.4	539
100	20.11	24.0	35.3	538
Frequency (MHz)	PSNEXT	ELFEXT	PSELFEXT	
	Min. dB	Min. dB	Min. dB	
4	53.3	50.0	49.0	
10	47.3	42.0	41.0	
16	44.3	37.9	36.9	
20	42.8	36.0	35.0	
31.25	39.9	34.1	31.0	
62.5	35.4	26.1	25.0	
100	32.3	22.0	21.0	

Ambient temperature: -20°C - 70°C