

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

Content of the Data Sheet

Sheath Printing	HiLook U/UTP 4PR Eca CAT5E CCA PVC xxxxmm/dd/yyyy Tracing Code-HS			
Model	NC-5EAU-G			
Category	CAT. 5e CCA U/UTP 4x2x24AWG/1 PVC			
Conductor	Material	CCA (Copper content: 23%)		
	Nom.O.D.(mm)	0.50	up down	+0.01 -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 Resistance(Ω/100m) max	15.3		
	DC Conductor Resistance Unbalance(%) max	2		

White-Blue /Blue White-Orange/Orange
Sheath
Rip-cord
White- Brown /Brown White- Green /Green

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