

UTP Category 5E Cables

Content of Data Sheet				
Product model	CAB-LC2100A-IN/CAB-LC2100B-IN			
Product specification	HSYV-5e 4×2×0.50			
Test Standard	YD/T1019-2013			
Conductor	Material	OFC(Oxygen free copper)		
	AWG	24		
	Nom.O.D.(mm)	0.5±0.005 mm		
	DC resistance	≤95 Ω/km		
Insulation	Material	HDPE		
	Thickness	0.2±0.02 mm		
	Diameter	0.9±0.05 mm		
	Color	Blue/White- Blue	Green/White-Green	
		Orange /White-Orange	Brown/White-Brown	
Pitch	Offset pitch	≤25 mm		
	Cable pitch	≤140 mm		
Sheath	Material	PVC(complies RoHS/REACH)		
	External O.D.	5.1±0.3 mm		
	Color	Gray(RAL7046)		
	Tensile strength	>13.5 Mpa		
	Thickness	0.55±0.05 mm		
Surface Printing	Letter height	3.0±0.3 mm		
	Color	Black		
	Print error & Space	1±0.005 m		
	Case number	Yes		
Packing	Packing	Carton		

The diagram illustrates the internal structure of the UTP Category 5E cable. It features a central ripcord for flexibility, surrounded by four twisted pairs of copper conductors. Each pair is individually insulated with HDPE. The entire assembly is protected by an outer jacket made of PE, LSZH, CM, or CMR material.

Electrical Characteristics:					
Frequency	Characteristic impedance	RL	ATT	NEXT	
MHz	ohm	≥dB/100m	≤dB/100m	≥dB/100m	
1	100±15	20.0	2.0	65.3	
4	100±15	23.0	4.1	56.3	
10	100±15	25.0	6.5	50.3	
16	100±15	25.0	8.2	47.3	
20	100±15	25.0	9.3	45.8	
31.25	100±15	23.6	11.6	42.9	
62.5	100±15	21.5	17.0	38.4	
100	100±15	20.1	22.0	35.3	
Frequency	FEXT	PS NEXT	PS FEXT	Phase delay	
MHz	≥dB/100m	≥dB/100m	≥dB/100m	≤ns/100m	
1	63.8	62.3	60.8	570.0	

	Once packing dimension	350mm*216mm*350mm	4	51.7	53.3	48.7	552.0
			10	43.8	47.3	40.8	545.4
	Twice packing dimension	370mm*460mm*370mm	16	39.7	44.2	36.7	543.0
			20	37.7	42.8	34.7	542.0
	Twice packing quantity	2 cases	31.25	33.9	39.9	30.9	540.4
			62.5	27.8	35.4	24.8	538.6
Packing length	305±1 m		100	23.8	32.3	20.8	537.4
Rip-cord	Yes						
Ambient temperature	-20℃~60℃						

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*Product specifications and availability are subject to change without notice.