

## UTP Category 5E Cables

Content of Data Sheet																																																																					
Product model	CAB-LC2100A-IN/CAB-LC2100B-IN																																																																				
Product specification	HSYV-5e 4x2x0.50																																																																				
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																																																																			
	Material	PVC(complies RoHS/REACH)																																																																			
	External O.D.	5.1±0.3 mm																																																																			
	Color	Gray(RAL7046)																																																																			
Sheath	Tensile strength	>13.5 Mpa																																																																			
	Thickness	0.55±0.05 mm																																																																			
	Letter height	3.0±0.3 mm																																																																			
		Color																																																																			
		Black																																																																			
Surface Printing	Print error & Space	1±0.005 m																																																																			
	Case number	Yes																																																																			
	Packing	Carton																																																																			
<p>Electrical Characteristics:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency</th> <th>Characteristic impedance</th> <th>RL</th> <th>ATT</th> <th>NEXT</th> </tr> <tr> <th>MHz</th> <th>ohm</th> <th>≥dB/100m</th> <th>≤dB/100m</th> <th>≥dB/100m</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>100±15</td> <td>20.0</td> <td>2.0</td> <td>65.3</td> </tr> <tr> <td>4</td> <td>100±15</td> <td>23.0</td> <td>4.1</td> <td>56.3</td> </tr> <tr> <td>10</td> <td>100±15</td> <td>25.0</td> <td>6.5</td> <td>50.3</td> </tr> <tr> <td>16</td> <td>100±15</td> <td>25.0</td> <td>8.2</td> <td>47.3</td> </tr> <tr> <td>20</td> <td>100±15</td> <td>25.0</td> <td>9.3</td> <td>45.8</td> </tr> <tr> <td>31.25</td> <td>100±15</td> <td>23.6</td> <td>11.6</td> <td>42.9</td> </tr> <tr> <td>62.5</td> <td>100±15</td> <td>21.5</td> <td>17.0</td> <td>38.4</td> </tr> <tr> <td>100</td> <td>100±15</td> <td>20.1</td> <td>22.0</td> <td>35.3</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency</th> <th>FEXT</th> <th>PS NEXT</th> <th>PS FEXT</th> <th>Phase delay</th> </tr> <tr> <th>MHz</th> <th>≥dB/100m</th> <th>≥dB/100m</th> <th>≥dB/100m</th> <th>≤ns/100m</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>63.8</td> <td>62.3</td> <td>60.8</td> <td>570.0</td> </tr> </tbody> </table>					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
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	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°C ~ 60°C						