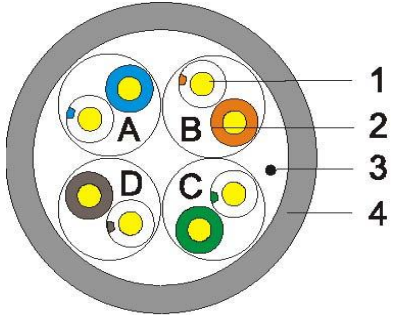


REF : UTP 4 pairs cable - category 5e - 100MHz - LSOH Sheath


Sheath Printing																																																																																																								
Category	UTP/CAT5e-4P-LSOH BCCA(35% Copper,68% Conductivity)																																																																																																							
Test Standard	TIA/EIA 568C.2 YD/T1019																																																																																																							
1. Conductor	Material	Solid Bare Copper Clad Aluminium																																																																																																						
	Nom. O.D. (mm)	0.50 24AWG	Up Down	+0.015 -0.015																																																																																																				
2. Insulation	Material	HDPE																																																																																																						
	Diameter	0.90±0.02mm																																																																																																						
Color	A.Blue, White-Blue	B.Orange,White-Orange			Technical Performance(FLUKE L ink 90m±3m): <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> <th>DELAY ≤ns</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>2.0</td><td>65.3</td><td>570.00</td></tr> <tr><td>4.0</td><td>23.0</td><td>4.1</td><td>56.3</td><td>552.00</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.8</td><td>51.8</td><td>546.73</td></tr> <tr><td>10.0</td><td>25.0</td><td>6.5</td><td>50.3</td><td>545.38</td></tr> <tr><td>16.0</td><td>25.0</td><td>8.2</td><td>47.2</td><td>543.00</td></tr> <tr><td>20.0</td><td>25.0</td><td>9.3</td><td>45.8</td><td>542.05</td></tr> <tr><td>25.0</td><td>24.3</td><td>10.4</td><td>44.3</td><td>541.20</td></tr> <tr><td>31.25</td><td>23.6</td><td>11.7</td><td>42.9</td><td>540.44</td></tr> <tr><td>62.5</td><td>21.5</td><td>17.0</td><td>38.4</td><td>538.55</td></tr> <tr><td>100</td><td>20.1</td><td>22.0</td><td>35.3</td><td>537.60</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>PSNEXT ≥dB</th> <th>ELFEXT ≥dB</th> <th>PSELFEXT ≥dB</th> </tr> </thead> <tbody> <tr><td>1</td><td>62.3</td><td>64.0</td><td>61.0</td></tr> <tr><td>4</td><td>53.3</td><td>52.0</td><td>49.0</td></tr> <tr><td>8</td><td>48.8</td><td>45.9</td><td>42.9</td></tr> <tr><td>10</td><td>47.3</td><td>44.0</td><td>41.0</td></tr> <tr><td>16</td><td>44.4</td><td>39.9</td><td>36.9</td></tr> <tr><td>20</td><td>42.8</td><td>38.0</td><td>35.0</td></tr> <tr><td>25</td><td>41.3</td><td>35.8</td><td>33.0</td></tr> <tr><td>31.25</td><td>39.9</td><td>34.1</td><td>31.1</td></tr> <tr><td>62.5</td><td>35.4</td><td>28.1</td><td>25.1</td></tr> <tr><td>100</td><td>32.3</td><td>24.0</td><td>21.0</td></tr> </tbody> </table>	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	1	20.0	2.0	65.3	570.00	4.0	23.0	4.1	56.3	552.00	8.0	24.5	5.8	51.8	546.73	10.0	25.0	6.5	50.3	545.38	16.0	25.0	8.2	47.2	543.00	20.0	25.0	9.3	45.8	542.05	25.0	24.3	10.4	44.3	541.20	31.25	23.6	11.7	42.9	540.44	62.5	21.5	17.0	38.4	538.55	100	20.1	22.0	35.3	537.60	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	1	62.3	64.0	61.0	4	53.3	52.0	49.0	8	48.8	45.9	42.9	10	47.3	44.0	41.0	16	44.4	39.9	36.9	20	42.8	38.0	35.0	25	41.3	35.8	33.0	31.25	39.9	34.1	31.1	62.5	35.4	28.1	25.1	100	32.3	24.0	21.0
	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB		DELAY ≤ns																																																																																																		
1	20.0	2.0	65.3	570.00																																																																																																				
4.0	23.0	4.1	56.3	552.00																																																																																																				
8.0	24.5	5.8	51.8	546.73																																																																																																				
10.0	25.0	6.5	50.3	545.38																																																																																																				
16.0	25.0	8.2	47.2	543.00																																																																																																				
20.0	25.0	9.3	45.8	542.05																																																																																																				
25.0	24.3	10.4	44.3	541.20																																																																																																				
31.25	23.6	11.7	42.9	540.44																																																																																																				
62.5	21.5	17.0	38.4	538.55																																																																																																				
100	20.1	22.0	35.3	537.60																																																																																																				
Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB																																																																																																					
1	62.3	64.0	61.0																																																																																																					
4	53.3	52.0	49.0																																																																																																					
8	48.8	45.9	42.9																																																																																																					
10	47.3	44.0	41.0																																																																																																					
16	44.4	39.9	36.9																																																																																																					
20	42.8	38.0	35.0																																																																																																					
25	41.3	35.8	33.0																																																																																																					
31.25	39.9	34.1	31.1																																																																																																					
62.5	35.4	28.1	25.1																																																																																																					
100	32.3	24.0	21.0																																																																																																					
3. Rip-cord	Yes	Drain wire	No																																																																																																					
	4. Sheath	Thickness	0.50±0.05 mm																																																																																																					
External O.D.		5.0±0.3 mm																																																																																																						
Surface		Clean,Frap,Satiation																																																																																																						
Material		LSOH(complies RoHS)																																																																																																						
Color		Multiple																																																																																																						
Surface Printing	Letter height	3.0±0.3mm																																																																																																						
	Color	Black																																																																																																						
	Print error & Space	≤±0.5% · 1m																																																																																																						
Packing	Carton, pallet																																																																																																							
Carton dimension	35*35*20cm																																																																																																							
Packing length	305±1.5m																																																																																																							
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10																																																																																																					
		Elongation (%)	≥125																																																																																																					
	Aging Period (°C×hrs)	100°C×24h×7d																																																																																																						
	After Aging	Tensile Strength (Mpa)	≥8																																																																																																					
		Elongation (%)	≥100																																																																																																					
	Cold bend (-20±2°C×4h)	No visible cracks																																																																																																						
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)	100±15																																																																																																						
	1.0-100.0MHz, Delay Shew 20°C (ns/100m)	≤45																																																																																																						
	DC Resistance 20°C (Ω/100m) max	14.2																																																																																																						
	DC Conductor Resistance Unbalance (%)max	5.0																																																																																																						