

S/FTP 4Pairs cable-category 6A-LSZH Sheath

P/N: 401493

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration																																																																														
2016-03-11				A0																																																																															
Content of the Data Sheet																																																																																			
Sheath Printing																																																																																			
Customer reference																																																																																			
Category	S/FTP-CAT6A-4P-LSZH-TC30																																																																																		
Test Standard	ISO/IEC11801、TIA/-568-C.2、YD/T1019																																																																																		
Conductor	Material	SOLID-Bare Copper																																																																																	
	Nom.O.D.(mm)	0.560	Up	+0.005																																																																															
23AWG		Down	-0.005																																																																																
Insulation	Material	Skin-foam-skin PE																																																																																	
	Diameter	1.330±0.05 mm																																																																																	
Inner Screening Material	Aluminum Foil	Drain wire	No																																																																																
Outer Screening Material	Tinned copper 0.10mm	Coverage	≥30%																																																																																
	Technical Performance (100m): <table border="1" style="width: 100%; border-collapse: collapse;"> <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>—</td><td>74.3</td><td>570.0</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.8</td><td>65.3</td><td>552.0</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.3</td><td>60.8</td><td>546.7</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.9</td><td>59.3</td><td>545.4</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.5</td><td>56.2</td><td>543.0</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.4</td><td>54.8</td><td>542.1</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.4</td><td>53.3</td><td>541.2</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.5</td><td>51.9</td><td>540.4</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.0</td><td>47.4</td><td>538.6</td></tr> <tr><td>100</td><td>20.1</td><td>19.1</td><td>44.3</td><td>537.6</td></tr> <tr><td>200</td><td>18.0</td><td>27.6</td><td>39.8</td><td>536.5</td></tr> <tr><td>250</td><td>17.3</td><td>31.1</td><td>38.3</td><td>536.3</td></tr> <tr><td>300</td><td>16.8</td><td>34.3</td><td>37.1</td><td>536.1</td></tr> <tr><td>500</td><td>15.2</td><td>45.3</td><td>33.8</td><td>535.6</td></tr> </tbody> </table>									Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	1	20.0	—	74.3	570.0	4.0	23.0	3.8	65.3	552.0	8.0	24.5	5.3	60.8	546.7	10.0	25.0	5.9	59.3	545.4	16.0	25.0	7.5	56.2	543.0	20.0	25.0	8.4	54.8	542.1	25.0	24.3	9.4	53.3	541.2	31.25	23.6	10.5	51.9	540.4	62.5	21.5	15.0	47.4	538.6	100	20.1	19.1	44.3	537.6	200	18.0	27.6	39.8	536.5	250	17.3	31.1	38.3	536.3	300	16.8	34.3	37.1	536.1	500	15.2	45.3	33.8
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Sheath	Thickness	0.55±0.05 mm																																																																																	
	External O.D.	7.5±0.5 mm																																																																																	
	Surface	Clean, Frap, Satiation																																																																																	
	Material	LSZH (complies RoHS)																																																																																	
	Color	Multiple																																																																																	
Surface Printing	Letter height	3.0±0.3mm																																																																																	
	Color	Black																																																																																	
	Print error & Space	≤±0.5%、1m																																																																																	
	Core Color		1 White/Blue	2 White/Orange																																																																															
		3 White/Green	4 White/Brown																																																																																
Packing	Wooden Tray & Carton																																																																																		
Wooden Tray dimension	According to the requires																																																																																		
Packing length	305±1.0m																																																																																		
Rip-cord	Yes																																																																																		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0																																																																																
		Elongation (%)	≥125																																																																																
	Aging Period (°C×hrs)		100°C×24h×7d																																																																																
	After Aging	Tensile Strength (Mpa)	≥8.0																																																																																
		Elongation (%)	≥100																																																																																
	Cold bend (-20±2°C×4h)		8×Cable O.D.、No visible cracks																																																																																
Electrical Characteristics (20°C)	Delay Skew (ns/100m)		≤45																																																																																
	Velocity of Propagation (%)		74																																																																																
	Unbalanced-to-ground capacitance (pf/100m)max		330																																																																																
	DC Resistance (Ω/100m) max		9.38																																																																																
	DC Conductor Resistance Unbalance (%) max		2.0																																																																																
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