



F/FTP 4Pairs cable-category 7-LSZH Sheath

Date	Author	Review	Approve	Version	Revision Declaration																																																																											
2013-06-21	Zeiqiaoqing	Desof gkua		C2																																																																												
Content of the Data Sheet																																																																																
Sheath Printing	It will be printed as customer's requirement with batch produce.																																																																															
Category	F/FTP CAT7-4P-LSZH																																																																															
Test Standard	ISO/IEC61156 、 YD/T1019																																																																															
Conductor	Material	SOLID-Bare Copper																																																																														
	Nom.O.D.(mm)	0.580	up	+0.005	down	-0.005																																																																										
Insulation	Material	Skin-foam-skin PE																																																																														
	Diameter	1.360±0.05 mm																																																																														
Screening Material	Aluminum Foil	Drain wire	TC 0.45mm																																																																													
Sheath	Thickness	0.55±0.05 mm																																																																														
	External O.D.	7.4±0.5 mm																																																																														
	Surface	Clean																																																																														
	Material	LSZH ,Rohs																																																																														
	Color	According to the requires																																																																														
Surface Printing	Letter height	3.0±0.3mm																																																																														
	Color	Black																																																																														
	Print error & Space	≤±0.5%, 1m																																																																														
Core Color (With striped color)	1 White/Blue	2 White/Orange																																																																														
	3 White/Green	4 White/Brown																																																																														
Packing	Wooden Tray																																																																															
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																																																																														
	Delay Shew (ns/100m)	≤45																																																																														
Electrical Characteristics (20°C)	Velocity of Propagation (%)	68																																																																														
	unbalanced-to-ground capacitance(pf/100m)max	330																																																																														
	DC Resistance (Ω/100m) max	9.38																																																																														
	DC Conductor Resistance Unbalance (%) max	2.0																																																																														
	Technical Performance (100m): <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL (dB)</th> <th>ATT (dB)</th> <th>NEXT (dB)</th> <th>PHASE DELAY (ns)</th> </tr> </thead> <tbody> <tr> <td>1.0</td> <td>≥20.0</td> <td>≤2.0</td> <td>≥78.0</td> <td>≤570.0</td> </tr> <tr> <td>4.0</td> <td>≥23.0</td> <td>≤3.74</td> <td>≥78.0</td> <td>≤552.0</td> </tr> <tr> <td>8.0</td> <td>≥24.5</td> <td>≤5.24</td> <td>≥78.0</td> <td>≤546.7</td> </tr> <tr> <td>10.0</td> <td>≥25.0</td> <td>≤5.86</td> <td>≥78.0</td> <td>≤545.4</td> </tr> <tr> <td>16.0</td> <td>≥25.0</td> <td>≤7.41</td> <td>≥78.0</td> <td>≤543.0</td> </tr> <tr> <td>20.0</td> <td>≥25.0</td> <td>≤8.29</td> <td>≥78.0</td> <td>≤542.0</td> </tr> <tr> <td>25.0</td> <td>≥24.3</td> <td>≤9.29</td> <td>≥78.0</td> <td>≤541.2</td> </tr> <tr> <td>31.25</td> <td>≥23.6</td> <td>≤10.41</td> <td>≥78.0</td> <td>≤540.4</td> </tr> <tr> <td>62.5</td> <td>≥21.5</td> <td>≤14.88</td> <td>≥75.5</td> <td>≤538.6</td> </tr> <tr> <td>100</td> <td>≥20.1</td> <td>≤19.02</td> <td>≥72.4</td> <td>≤537.6</td> </tr> <tr> <td>200</td> <td>≥18.0</td> <td>≤27.47</td> <td>≥67.9</td> <td>≤536.5</td> </tr> <tr> <td>250</td> <td>≥17.3</td> <td>≤30.97</td> <td>≥66.4</td> <td>≤536.3</td> </tr> <tr> <td>300</td> <td>≥17.3</td> <td>≤34.19</td> <td>≥65.2</td> <td>≤536.1</td> </tr> <tr> <td>600</td> <td>≥17.3</td> <td>≤50.10</td> <td>≥60.7</td> <td>≤535.5</td> </tr> </tbody> </table>						Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	PHASE DELAY (ns)	1.0	≥20.0	≤2.0	≥78.0	≤570.0	4.0	≥23.0	≤3.74	≥78.0	≤552.0	8.0	≥24.5	≤5.24	≥78.0	≤546.7	10.0	≥25.0	≤5.86	≥78.0	≤545.4	16.0	≥25.0	≤7.41	≥78.0	≤543.0	20.0	≥25.0	≤8.29	≥78.0	≤542.0	25.0	≥24.3	≤9.29	≥78.0	≤541.2	31.25	≥23.6	≤10.41	≥78.0	≤540.4	62.5	≥21.5	≤14.88	≥75.5	≤538.6	100	≥20.1	≤19.02	≥72.4	≤537.6	200	≥18.0	≤27.47	≥67.9	≤536.5	250	≥17.3	≤30.97	≥66.4	≤536.3	300	≥17.3	≤34.19	≥65.2	≤536.1	600	≥17.3	≤50.10	≥60.7
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