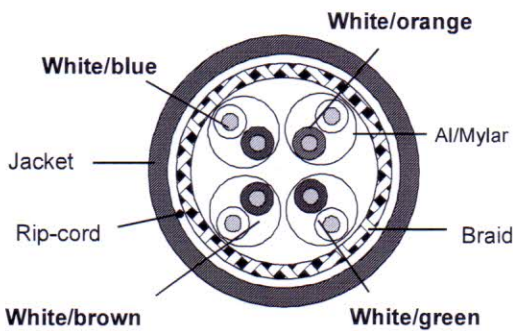


TECHNICAL DATA SHEET

S/FTP 4Pairs cable-category 7A-FR LSZH Sheath

P/N: G2701-060

Content of the Data Sheet																																																																																																			
Sheath Printing	TBD																																																																																																		
Customer No.		Customer Reference																																																																																																	
Category	S/FTP-CAT7A-4P-LSZH-TC30(B2ca)																																																																																																		
Reference Standard	ISO/IEC 61156-5;EN 50288-4																																																																																																		
Conductor	Material	SOLID-Bare Copper																																																																																																	
	Nom.O.D.(mm)	0.560	up down	+0.005 -0.005																																																																																															
Insulation	Material	Skin-foam-skin PE																																																																																																	
	Diameter	1.330±0.05 mm																																																																																																	
Inner Screening Material	Al/Mylar	Drain wire		No																																																																																															
Outer Screening Material	Tinned copper 0.10mm		Coverage	≥30%																																																																																															
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m): <table><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>—</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>150</td><td>18.9</td><td>23.56</td><td>69.8</td><td>536.9</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><tr><td>700</td><td>14.2</td><td>54.63</td><td>59.7</td><td>535.4</td></tr><tr><td>1000</td><td>13.1</td><td>66.93</td><td>57.3</td><td>535.1</td></tr></tbody></table> Frequency PSNEXT ELFEXT PSELFEXT (MHz) ≥dB ≥dB ≥dB					Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	1.0	20.0	—	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	150	18.9	23.56	69.8	536.9	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	535.5	700	14.2	54.63	59.7	535.4	1000	13.1	66.93	57.3	535.1
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External O.D.	7.6±0.5 mm																																																																																																		
Surface	Clean																																																																																																		
Material	FR-LSZH(complies RoHS)																																																																																																		
Color	TBD																																																																																																		
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	Drum																																																																																																		
Wooden Tray dimension	According to the requires																																																																																																		
Packing length	305±1.0m																																																																																																		
Rip-cord	Yes																																																																																																		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0																																																																																																
		Elongation (%)	≥100																																																																																																
	Aging Period (℃×hrs)		100℃×24h×7d																																																																																																
	After Aging	Tensile Strength (Mpa)	≥8.0																																																																																																
		Elongation (%)	≥70																																																																																																
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 15times cable O.D. No visible cracks																																																																																																		
	Impedance(Ω) : (1-100MHz)		100±15Ω																																																																																																
	(100-250MHz)		100±18Ω																																																																																																
	(250-1000MHz)		100±25Ω																																																																																																
	Delay Skew (ns/100m)		≤25																																																																																																
	Velocity of Propagation (%)		74																																																																																																
	unbalanced-to-ground capacitance (pf/100m) max		330																																																																																																
	DC Resistance (Ω/100m) max		9.38																																																																																																
DC Conductor Resistance Unbalanc (%) max		2.0																																																																																																	
Reaction to fire Classification: B2ca,s1,d1,a1																																																																																																			
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua																																																																																										