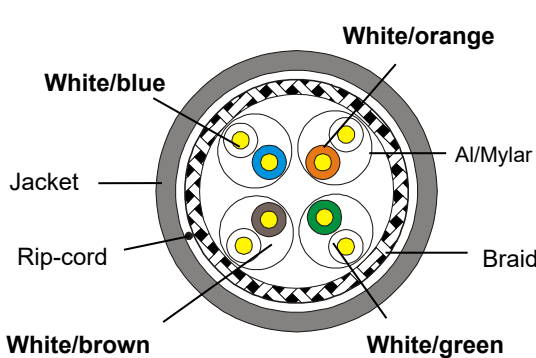


S/FTP 4Pairs cable-category7A-FR LSZH Sheath

P/N: LG2701-063

Content of the Data Sheet

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Sheath Printing	TBD																																																																																																																																																																											
Customer No.		Customer Reference																																																																																																																																																																										
Category	S/FTP-CAT7A-4P-LSZH-TC30(Cca)																																																																																																																																																																											
Reference Standard	ISO/IEC 61156-5;EN 50288-4																																																																																																																																																																											
Conductor	Material	SOLID-Bare Copper																																																																																																																																																																										
	Nom.O.D.(mm)	0.560	up	+0.005																																																																																																																																																																								
			down	-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		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 <table><thead><tr><th>(MHz)</th><th>≥dB</th><th>≥dB</th><th>≥dB</th></tr></thead><tbody><tr><td>1</td><td>75.0</td><td>78.0</td><td>75.0</td></tr><tr><td>4</td><td>75.0</td><td>78.0</td><td>75.0</td></tr><tr><td>8</td><td>75.0</td><td>75.9</td><td>72.9</td></tr><tr><td>10</td><td>75.0</td><td>74.0</td><td>71.0</td></tr><tr><td>16</td><td>75.0</td><td>69.9</td><td>66.9</td></tr><tr><td>20</td><td>75.0</td><td>68.0</td><td>65.0</td></tr><tr><td>25</td><td>75.0</td><td>66.0</td><td>63.0</td></tr><tr><td>31.25</td><td>75.0</td><td>64.1</td><td>61.1</td></tr><tr><td>62.5</td><td>72.5</td><td>58.1</td><td>55.1</td></tr><tr><td>100</td><td>69.4</td><td>54.0</td><td>51.0</td></tr><tr><td>150</td><td>66.8</td><td>50.2</td><td>47.2</td></tr><tr><td>200</td><td>64.9</td><td>48.0</td><td>45.0</td></tr><tr><td>250</td><td>63.4</td><td>46.0</td><td>43.0</td></tr><tr><td>300</td><td>62.2</td><td>44.5</td><td>41.5</td></tr><tr><td>600</td><td>57.7</td><td>38.4</td><td>35.4</td></tr><tr><td>700</td><td>56.7</td><td>37.1</td><td>34.1</td></tr><tr><td>1000</td><td>54.4</td><td>34.0</td><td>31.0</td></tr></tbody></table>						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	(MHz)	≥dB	≥dB	≥dB	1	75.0	78.0	75.0	4	75.0	78.0	75.0	8	75.0	75.9	72.9	10	75.0	74.0	71.0	16	75.0	69.9	66.9	20	75.0	68.0	65.0	25	75.0	66.0	63.0	31.25	75.0	64.1	61.1	62.5	72.5	58.1	55.1	100	69.4	54.0	51.0	150	66.8	50.2	47.2	200	64.9	48.0	45.0	250	63.4	46.0	43.0	300	62.2	44.5	41.5	600	57.7	38.4	35.4	700	56.7	37.1	34.1	1000	54.4	34.0	31.0
	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB							PHASE DELAY ≤ns																																																																																																																																																																	
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1000	54.4	34.0	31.0																																																																																																																																																																									
	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)	≥10.0																																																																																																																																																																									
		Elongation (%)	≥125																																																																																																																																																																									
	Aging Period (℃×hrs)	100℃×24h×7d																																																																																																																																																																										
	After Aging	Tensile Strength (Mpa)	≥8.0																																																																																																																																																																									
		Elongation (%)	≥100																																																																																																																																																																									
	Cold bend (-20±2℃×4h) 8×Cable O.D., No visible cracks																																																																																																																																																																											
Electrical Characteristics (20℃)	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 Unbalance (%) max		2.0																																																																																																																																																																									
Reaction to fire Classification: Cca,s1,d1,a1					CPR Part No.: G2701-059																																																																																																																																																																							
Version	A/02	Date	2022-02-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua																																																																																																																																																																			

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Nidonghua	Nidonghua	2017-08-25
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2022-02-25