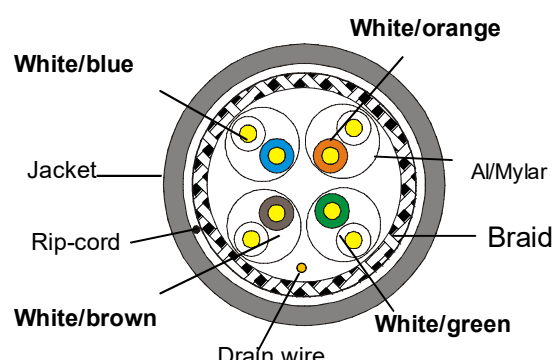


Content of the Data Sheet																																																																																																																																																																								
																																																																																																																																																																								
Category	S/FTP-CAT7A-4P-LSZH																																																																																																																																																																							
Reference Standard	ISO/IEC 61156-5;EN 50288-4																																																																																																																																																																							
Conductor	Material	SOLID-Bare Copper																																																																																																																																																																						
	Nom.O.D.(mm)	0.580	up down				+0.005 -0.005																																																																																																																																																																	
Insulation	Material	Skin-foam-skin PE																																																																																																																																																																						
	Diameter	1.350±0.05 mm																																																																																																																																																																						
Inner Screening Material	Al/Mylar	Drain wire	Yes																																																																																																																																																																					
Outer Screening Material	Aluminum-magnesium alloy	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
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1000	54.4	34.0	31.0																																																																																																																																																																					
	External O.D.	7.8±0.5 mm																																																																																																																																																																						
	Surface	Clean																																																																																																																																																																						
	Material	LSZH (complies RoHS)																																																																																																																																																																						
	Color	Orange/Blue																																																																																																																																																																						
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 or 500±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																																																																																																																																																																					
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 8×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 Unbalance (%) max		2.0																																																																																																																																																																						

PRODUCT INFORMATION

Part Number	Product Description
DNC-C7ASFUCOR-LS305	Duranet Category 7A Solid S/FTP LSZH Cable, 23 AWG - 305m drum
DNC-C7ASFUCOR-LS500	Duranet Category 7A Solid S/FTP LSZH Cable, 23 AWG - 500m drum