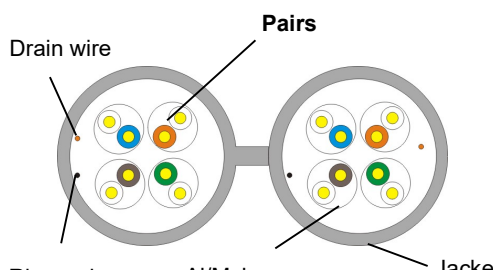


Laatuantenni Cat6A U/FTP Duplex Dca

Sähkönumero 0232559

Content of the Data Sheet																																																																																																																																																																					
Sheath Printing		LA - Cat6A 2xU/FTP LSZH EC500 Dca-s2,d2,a1 NVP 74% xxm xxweek/xyyear																																																																																																																																																																			
						 Drain wire Pairs Rip-cord Al/Mylar Jacket																																																																																																																																																															
Category		DUPLEX U/ FTP CAT6A-4P-LSZH(Dca)																																																																																																																																																																			
Reference Standard		ISO/IEC11801、TIA-568-C.2																																																																																																																																																																			
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																																																																																																																																																																	
Screening Material		Al/Mylar				<table><tr><th colspan="5">Technical Performance (100m):</th></tr><tr><th>Frequency (MHz)</th><th>RL ≥dB</th><th>ATT ≤dB</th><th>NEXT ≥dB</th><th>DELAY ≤ns</th></tr><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><tr><th>Frequency (MHz)</th><th>PSNEXT ≥dB</th><th>ELFEXT ≥dB</th><th colspan="2">PSELFEXT ≥dB</th></tr><tr><td>1</td><td>72.3</td><td>67.8</td><td colspan="2">64.8</td></tr><tr><td>4</td><td>63.3</td><td>55.8</td><td colspan="2">52.8</td></tr><tr><td>8</td><td>48.8</td><td>49.7</td><td colspan="2">46.7</td></tr><tr><td>10</td><td>57.3</td><td>47.8</td><td colspan="2">44.8</td></tr><tr><td>16</td><td>54.2</td><td>43.7</td><td colspan="2">40.7</td></tr><tr><td>20</td><td>52.8</td><td>41.8</td><td colspan="2">38.8</td></tr><tr><td>25</td><td>51.3</td><td>39.8</td><td colspan="2">36.8</td></tr><tr><td>31.25</td><td>49.9</td><td>37.9</td><td colspan="2">34.9</td></tr><tr><td>62.5</td><td>45.4</td><td>31.9</td><td colspan="2">28.9</td></tr><tr><td>100</td><td>42.3</td><td>27.8</td><td colspan="2">24.8</td></tr><tr><td>200</td><td>37.8</td><td>21.8</td><td colspan="2">18.8</td></tr><tr><td>250</td><td>36.3</td><td>19.8</td><td colspan="2">16.8</td></tr><tr><td>300</td><td>35.1</td><td>18.3</td><td colspan="2">15.3</td></tr><tr><td>500</td><td>31.8</td><td>13.8</td><td colspan="2">10.8</td></tr></table>					Technical Performance (100m):					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	535.6	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		1	72.3	67.8	64.8		4	63.3	55.8	52.8		8	48.8	49.7	46.7		10	57.3	47.8	44.8		16	54.2	43.7	40.7		20	52.8	41.8	38.8		25	51.3	39.8	36.8		31.25	49.9	37.9	34.9		62.5	45.4	31.9	28.9		100	42.3	27.8	24.8		200	37.8	21.8	18.8		250	36.3	19.8	16.8		300	35.1	18.3	15.3		500	31.8	13.8	10.8	
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500	31.8	13.8	10.8																																																																																																																																																																		
Sheath		Thickness		0.55±0.05mm																																																																																																																																																																	
		External O.D.		(7.4-16.0)±0.5 mm																																																																																																																																																																	
		Surface		Clean																																																																																																																																																																	
		Material		LSZH (complies RoHS)																																																																																																																																																																	
		Color		Lila																																																																																																																																																																	
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		Reel																																																																																																																																																																			
Packing length		500±1.5m																																																																																																																																																																			
Rip-cord		Yes		Drain wire		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																																																																																																																																																																			
		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		5.0																																																																																																																																																																	
Reaction to fire Classification: Dca,s2,d2,a1																																																																																																																																																																					
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua																																																																																																																																																												