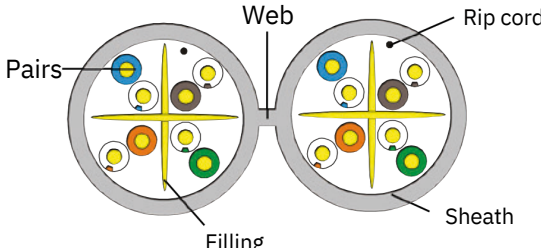


## Laatuantenni Cat6 U/UTP Duplex Dca

Sähkönumero 0232555

Content of the Data Sheet																																																																														
Sheath Printing	LA - Cat6 2xU/UTP LSZH EC250 Dca-s2,d2,a1 NVP 69% xxxm xxweek/xyyear																																																																													
Customer No.		Customer Reference																																																																												
Category	DUPLEX U/UTP -CAT6-4P-LSZH(Dca,s2,d2,a1)																																																																													
Reference Standard	ISO/IEC11801、TIA-568-C.2																																																																													
1. Conductor	Material	SOLID-Bare Copper																																																																												
	Nom. O.D. (mm)	0.550	Up	+0.005	Down	-0.005																																																																								
2. Insulation	Material	HDPE																																																																												
	Diameter	0.95±0.05mm																																																																												
Color	A.Blue, White-Blue	B.Orange,White-Orange																																																																												
	C.Green,White-Green	D.Brown, White-Brown																																																																												
3. Rip-cord	Yes	Drain wire	No																																																																											
	Thickness	0.55±0.05 mm																																																																												
4. Sheath	External O.D.	(6.2/13.4)±0.5mm																																																																												
	Surface	Clean,Frap,Satiation																																																																												
	Material	LSZH(complies RoHS)																																																																												
	Color	Blue																																																																												
	Letter height	3.0±0.3mm																																																																												
Surface Printing	Color	Black																																																																												
	Print error & Space	≤±0.5%, 1m																																																																												
	Packing	Drum in Carton																																																																												
Carton dimension	---																																																																													
Packing length	305±1.5m																																																																													
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																																																																													
	Electrical Characteristics (20°C)	1.0-250.0MHz, Characteristic impedance (Ω)		100±15																																																																										
		1.0-250.0MHz, Delay Skew 20°C(ns/100m)		≤45																																																																										
		DC Resistance 20°C(Ω/100m) max		9.5																																																																										
		DC Conductor Resistance Unbalance (%)max		5.0																																																																										
																																																																														
<b>Technical Performance (100m):</b> <table border="1"> <thead> <tr> <th rowspan="2">Frequency (MHz)</th> <th colspan="2">RL (dB)</th> <th colspan="2">NEXT PHASE DELAY (ns)</th> </tr> <tr> <th>≥dB</th> <th>≤dB</th> <th>≥dB</th> <th>≤ns</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>2.03</td><td>74.3</td><td>570.00</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.78</td><td>65.3</td><td>552.00</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.32</td><td>60.8</td><td>546.73</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.95</td><td>59.3</td><td>545.38</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.55</td><td>56.2</td><td>543.00</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.47</td><td>54.8</td><td>542.05</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.51</td><td>53.3</td><td>541.20</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.67</td><td>51.9</td><td>540.44</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.38</td><td>47.7</td><td>538.55</td></tr> <tr><td>100</td><td>20.1</td><td>19.80</td><td>44.3</td><td>537.60</td></tr> <tr><td>200</td><td>18.0</td><td>28.98</td><td>39.8</td><td>536.54</td></tr> <tr><td>250</td><td>17.3</td><td>32.85</td><td>38.3</td><td>536.27</td></tr> </tbody> </table>										Frequency (MHz)	RL (dB)		NEXT PHASE DELAY (ns)		≥dB	≤dB	≥dB	≤ns	1	20.0	2.03	74.3	570.00	4.0	23.0	3.78	65.3	552.00	8.0	24.5	5.32	60.8	546.73	10.0	25.0	5.95	59.3	545.38	16.0	25.0	7.55	56.2	543.00	20.0	25.0	8.47	54.8	542.05	25.0	24.3	9.51	53.3	541.20	31.25	23.6	10.67	51.9	540.44	62.5	21.5	15.38	47.7	538.55	100	20.1	19.80	44.3	537.60	200	18.0	28.98	39.8	536.54	250	17.3	32.85	38.3	536.27
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Reaction to fire Classification : Dca-s2,d2,a1																																																																														
Version	A/01	Date	2019-04-29	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua																																																																					