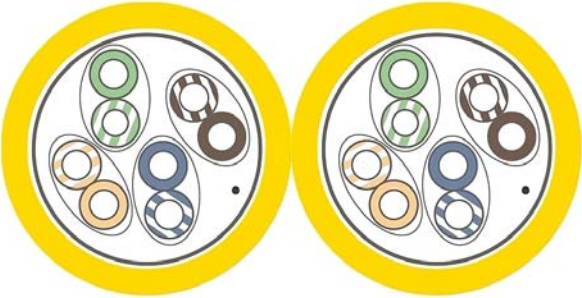


TECHNICAL DATA SHEET

CAT 6A F/FTP DUAL LSZH

Code: TELOC-C6AFF8P01DLH
DoP Number: TELOCL45D-XX
Reaction to Fire: Dca

100Ω F/FTP 2x4 pairs of 500 MHz Cable

Construction	Electrical Characteristics																																																
	<p>Characteristic Impedance @ 1~250 MHz (Ω) 100 ± 15 @ 250~500MHz (Ω) 100 ± 25</p> <p>Conductor DC Resistance @ 20°C (Ω/Km) 93.8</p> <p>Min. insulation Resistance (MΩ/km) 5000</p> <p>Max.Capacitance Unbalance @1KHz (nF/km) 56</p> <p>Min.Insulation Resistance (MΩ/km) 5000</p> <p>Velocity ratio 75%</p> <p>Comply with EIA/TIA 568 & ISO/IEC 11801 CAT 6A Standard:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency (MHz)</th> <th>Attenuation (dB/100m)</th> <th>Return Loss (dB)</th> <th>NEXT (dB)</th> </tr> </thead> <tbody> <tr><td>4</td><td>3.8</td><td>23.0</td><td>66.3</td></tr> <tr><td>10</td><td>5.9</td><td>25.0</td><td>60.3</td></tr> <tr><td>16</td><td>7.5</td><td>25.0</td><td>57.2</td></tr> <tr><td>25</td><td>9.4</td><td>25.0</td><td>54.3</td></tr> <tr><td>31.25</td><td>10.5</td><td>23.6</td><td>52.9</td></tr> <tr><td>100</td><td>19.1</td><td>20.1</td><td>45.3</td></tr> <tr><td>200</td><td>27.6</td><td>18.0</td><td>40.8</td></tr> <tr><td>250</td><td>31.1</td><td>17.3</td><td>39.3</td></tr> <tr><td>300</td><td>34.3</td><td>17.3</td><td>38.1</td></tr> <tr><td>400</td><td>40.1</td><td>17.3</td><td>36.3</td></tr> <tr><td>500</td><td>45.3</td><td>17.3</td><td>34.8</td></tr> </tbody> </table>	Frequency (MHz)	Attenuation (dB/100m)	Return Loss (dB)	NEXT (dB)	4	3.8	23.0	66.3	10	5.9	25.0	60.3	16	7.5	25.0	57.2	25	9.4	25.0	54.3	31.25	10.5	23.6	52.9	100	19.1	20.1	45.3	200	27.6	18.0	40.8	250	31.1	17.3	39.3	300	34.3	17.3	38.1	400	40.1	17.3	36.3	500	45.3	17.3	34.8
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<p>1. Conductor Diameter (mm)</p> <p>2. Insulation Diameter (mm) Color Code Pair 1 Pair 2 Pair 3 Pair 4</p> <p>3. Al-Pet Foil (on each pair,Al outside) Coverage</p> <p>4. Drain Wire Diameter (mm)</p> <p>5. Shielding Coverage</p> <p>6. Outer Sheath Min. Thickness (mm) Diameter (mm) Color</p> <p>Marking TELENCO CAT 6A 2x4 PAIRS AWG23 F/FTP 500MHZ IEC61156-5 NVP 75% EN50575 Dca XX WW/YY xxxxxxM</p> <p>Remark: XX-supplier code; WW-week; YY-year;</p>	<p>1. Conductor Solid Bare Copper AWG23</p> <p>2. Insulation Foam PE 1.30±0.10 Blue / White-Blue Orange / White-Orange Green / White-Green Brown / White-Brown</p> <p>3. Al-Pet Foil (on each pair,Al outside) > 110%</p> <p>4. Drain Wire Tinned Copper 0.40 ± 0.05</p> <p>5. Shielding AL / PET > 110%</p> <p>6. Outer Sheath LSZH 0.5 7.40x14.80 ± 0.40 White</p>																																																
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