

PATCH F/UTP 4 pairs cable - category 6 -LSZH Sheath

Content of the Data Sheet																																																																										
Sheath Printing	TBD																																																																									
Customer No.		Customer Reference																																																																								
Category	PATCH F/UTP CAT6-4P-LSZH																																																																									
Reference Standard	ISO/IEC11801、TIA-568-C.2																																																																									
1. Conductor	Material	Stranded -Bare Copper																																																																								
	Nom. O.D. (mm)	24AWG(7/0.20)																																																																								
2. Insulation	Material	HDPE																																																																								
	Diameter	1.02±0.05mm																																																																								
Color	A.Blue, White-Blue	B.Orange,White-Orange		FLUKE Permanent Link Technical Performance (<60m) <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL (dB)</th> <th>ATT (dB)</th> <th>NEXT (dB)</th> <th>DELAY (ns)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>19.1</td> <td>3.0</td> <td>65.0</td> <td>521</td> </tr> <tr> <td>4.0</td> <td>21.0</td> <td>3.5</td> <td>64.1</td> <td>504</td> </tr> <tr> <td>8.0</td> <td>21.0</td> <td>5.0</td> <td>59.4</td> <td>500</td> </tr> <tr> <td>10.0</td> <td>21.0</td> <td>5.5</td> <td>57.8</td> <td>498</td> </tr> <tr> <td>16.0</td> <td>20.0</td> <td>7.0</td> <td>54.6</td> <td>496</td> </tr> <tr> <td>20.0</td> <td>19.5</td> <td>7.9</td> <td>53.1</td> <td>495</td> </tr> <tr> <td>25.0</td> <td>19.0</td> <td>8.9</td> <td>51.5</td> <td>495</td> </tr> <tr> <td>31.25</td> <td>18.5</td> <td>10.0</td> <td>50.0</td> <td>494</td> </tr> <tr> <td>62.5</td> <td>16.0</td> <td>14.4</td> <td>45.1</td> <td>492</td> </tr> <tr> <td>100</td> <td>14.0</td> <td>18.6</td> <td>41.8</td> <td>491</td> </tr> <tr> <td>200</td> <td>11.0</td> <td>27.4</td> <td>36.9</td> <td>490</td> </tr> <tr> <td>250</td> <td>10.0</td> <td>31.1</td> <td>35.3</td> <td>490</td> </tr> </tbody> </table>						Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	DELAY (ns)	1	19.1	3.0	65.0	521	4.0	21.0	3.5	64.1	504	8.0	21.0	5.0	59.4	500	10.0	21.0	5.5	57.8	498	16.0	20.0	7.0	54.6	496	20.0	19.5	7.9	53.1	495	25.0	19.0	8.9	51.5	495	31.25	18.5	10.0	50.0	494	62.5	16.0	14.4	45.1	492	100	14.0	18.6	41.8	491	200	11.0	27.4	36.9	490	250	10.0	31.1	35.3	490
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3. Rip-cord	Yes	Drain wire	Yes																																																																							
4. Shielded	Mylar+Al/Mylar																																																																									
5. Sheath	Thickness	0.55±0.05 mm																																																																								
	External O.D.	6.7±0.4 mm																																																																								
	Surface	Clean,Frap,Satiation																																																																								
	Material	LSZH(complies RoHS)																																																																								
	Color	TBD																																																																								
Surface Printing	Letter height	3.0±0.3mm																																																																								
	Color	Black																																																																								
	Print error & Space	≤±0.5%, 1m																																																																								
Packing	Carton, pallet																																																																									
Carton dimension	According to the requires																																																																									
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)	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																																																																							
	Capacitance unbalance to earth (pf/100m) max		330																																																																							
	DC Resistance 20°C(Ω/100m) max		9.5																																																																							
	DC Conductor Resistance Unbalance (%)max		5.0																																																																							
Acceptance criterion:FLUKE Permanent link test≤60m, pass																																																																										
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua																																																																	