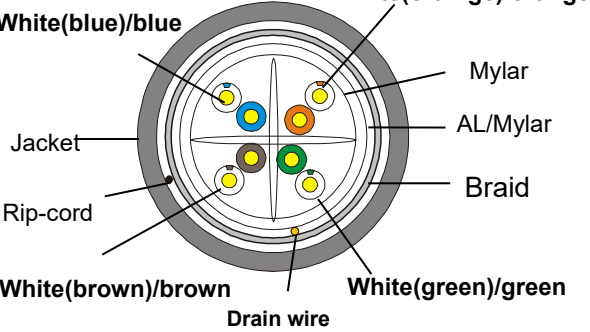


SF/UTP 4Pairs cable-category 6-LSZH Sheath

P/N: G2403-007

Content of the Data Sheet																																																																																																																																
Sheath Printing		TBD																																																																																																																														
Customer No.			Customer Reference																																																																																																																													
Category		SF/UTP-CAT6-4P-LSZH-AM40																																																																																																																														
Reference Standard		ISO/IEC11801、ANSI/TIA-568.2-D																																																																																																																														
Conductor		Material		SOLID-Bare Copper																																																																																																																												
		Nom.O.D.(mm)		0.565	up down						+0.005 -0.005																																																																																																																					
Insulation		Material		HDPE																																																																																																																												
		Diameter		1.12±0.05 mm																																																																																																																												
Inner Screening Material		Mylar+AL/Mylar		Drain wire		Yes																																																																																																																										
Outer Screening Material		Aluminum-magnesium alloy			Coverage		≥40%		Technical Performance (100m) : <table><thead><tr><th>Frequency (MHz)</th><th>RL (dB)</th><th>ATT (20℃) (dB)</th><th>NEXT (dB)</th><th>PHASE DELAY (ns)</th></tr></thead><tbody><tr><td>1</td><td>20.0</td><td>—</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> <table><thead><tr><th>Frequency (MHz)</th><th>PSNEXT (dB)</th><th>ELFEXT (dB)</th><th>PSELFEXT (dB)</th></tr></thead><tbody><tr><td>1</td><td>72.3</td><td>67.8</td><td>64.8</td></tr><tr><td>4</td><td>63.3</td><td>55.8</td><td>52.8</td></tr><tr><td>8</td><td>58.8</td><td>49.7</td><td>46.7</td></tr><tr><td>10</td><td>57.3</td><td>47.8</td><td>44.8</td></tr><tr><td>16</td><td>54.2</td><td>43.7</td><td>40.7</td></tr><tr><td>20</td><td>52.8</td><td>41.8</td><td>38.8</td></tr><tr><td>25</td><td>51.3</td><td>39.8</td><td>36.8</td></tr><tr><td>31.25</td><td>49.9</td><td>37.9</td><td>34.9</td></tr><tr><td>62.5</td><td>45.4</td><td>31.9</td><td>28.9</td></tr><tr><td>100</td><td>42.3</td><td>27.8</td><td>24.8</td></tr><tr><td>200</td><td>37.8</td><td>21.8</td><td>18.8</td></tr><tr><td>250</td><td>36.3</td><td>19.8</td><td>16.8</td></tr></tbody></table>			Frequency (MHz)	RL (dB)	ATT (20℃) (dB)	NEXT (dB)	PHASE DELAY (ns)	1	20.0	—	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	Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	1	72.3	67.8	64.8	4	63.3	55.8	52.8	8	58.8	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
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Sheath		Thickness		0.55±0.05 mm																																																																																																																												
		External O.D.		7.8±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																																																																																																																												
Core Color		1 White- Blue /Blue		2 White-Orange /Orange																																																																																																																												
		3 White- Green /Green		4 White- Brown /Brown																																																																																																																												
Packing		Wooden Tray & Carton																																																																																																																														
Wooden Tray dimension		According to the requires																																																																																																																														
Packing length		305±1.5m																																																																																																																														
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																																																																																																																												
		1.0-250.0MHz Impedance (Ω)		100±15																																																																																																																												
		1.0-250.0MHz Delay Skew (ns/100m)		≤45																																																																																																																												
		unbalanced-to-ground capacitance (pf/100m)		max 330																																																																																																																												
		DC Resistance (Ω /100m) max		9.38																																																																																																																												
		DC Conductor Resistance Unbalance (%)		max 5.0																																																																																																																												
Version	A/02	Date	2022-02-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua																																																																																																																							

Effective Date of Form: 2017-05-20