

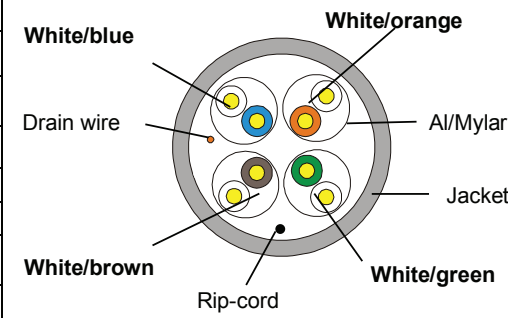
**SCP PART#: CAT6A-U/FTP-LSZH-BL**

UPC: 817777014945

**DESCRIPTION:**

Rev04/20

B2ca RATED CAT6A - 10GBASE-T, 600MHz 23 AWG SOLID BC, 4PR ,U/FTP, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS Ea, EN50575:2014 B2ca-s1a,d1,a1 BLUE LSZH JKT- 1000FT/305M SPOOL

Content of the Data Sheet																																																																																																																																																						
Category	U/FTP- CAT6A-4P-LSZH(B2ca)																																																																																																																																																					
Reference Standard	ISO/IEC11801 、 TIA-568-C.2																																																																																																																																																					
Conductor	Material	SOLID-Bare Copper																																																																																																																																																				
	Nom.O.D.(mm)	0.560	up	+0.005																																																																																																																																																		
			down	-0.005																																																																																																																																																		
Insulation	Material	Skin-foam-skin PE																																																																																																																																																				
	Diameter	1.330±0.05 mm																																																																																																																																																				
Screening Material	Al/Mylar	Drain wire	Yes																																																																																																																																																			
Sheath	Thickness	0.65±0.1 mm				<b>Technical Performance (100m):</b> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤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</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.8</td><td>65.3</td><td>552</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.3</td><td>60.8</td><td>547</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.9</td><td>59.3</td><td>545</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.5</td><td>56.2</td><td>543</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.4</td><td>54.8</td><td>542</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.4</td><td>53.3</td><td>541</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.5</td><td>51.9</td><td>540</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.0</td><td>47.4</td><td>539</td></tr> <tr><td>100</td><td>20.1</td><td>19.1</td><td>44.3</td><td>538</td></tr> <tr><td>200</td><td>18.0</td><td>27.6</td><td>39.8</td><td>537</td></tr> <tr><td>250</td><td>17.3</td><td>31.1</td><td>38.3</td><td>536</td></tr> <tr><td>300</td><td>16.8</td><td>34.3</td><td>37.1</td><td>536</td></tr> <tr><td>400</td><td>15.9</td><td>40.1</td><td>35.3</td><td>536</td></tr> <tr><td>500</td><td>15.2</td><td>45.3</td><td>33.8</td><td>536</td></tr> </tbody> </table> <table border="1"> <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> <tr><td>300</td><td>35.1</td><td>18.3</td><td>15.3</td></tr> <tr><td>400</td><td>33.3</td><td>15.8</td><td>12.8</td></tr> <tr><td>500</td><td>31.8</td><td>13.8</td><td>10.8</td></tr> </tbody> </table>	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	1	20.0	—	74.3	570	4.0	23.0	3.8	65.3	552	8.0	24.5	5.3	60.8	547	10.0	25.0	5.9	59.3	545	16.0	25.0	7.5	56.2	543	20.0	25.0	8.4	54.8	542	25.0	24.3	9.4	53.3	541	31.25	23.6	10.5	51.9	540	62.5	21.5	15.0	47.4	539	100	20.1	19.1	44.3	538	200	18.0	27.6	39.8	537	250	17.3	31.1	38.3	536	300	16.8	34.3	37.1	536	400	15.9	40.1	35.3	536	500	15.2	45.3	33.8	536	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	300	35.1	18.3	15.3	400	33.3	15.8	12.8	500	31.8	13.8	10.8
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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	Drum																																																																																																																																																					
Packing length	305±1.5m																																																																																																																																																					
Rip-cord	Yes																																																																																																																																																					
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0																																																																																																																																																			
		Elongation (%)	≥100																																																																																																																																																			
	Aging Period (°C×hrs)	100°C×24h×7d																																																																																																																																																				
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Cold bend (-20±2°C×4h)	15times cable O.D. No visible cracks																																																																																																																																																					
Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100±15																																																																																																																																																			
		250.0-500.0MHz	100±22																																																																																																																																																			
	1.0-500.0MHz	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																																																																																																																																																				
<b>Reaction to fire Classification: B2ca,s1a,d1,a1</b>																																																																																																																																																						