



## Network Cable Copper

### LinkIT U/FTP Slim Cat.6a black 7m

LSZH | AWG 28 | Snagless | OD 4.8mm

Product number: LI-SC6AUFTP-0700-BL

## Product Description

LinkIt Patch Cat.6a cables stand out with their impressive 50-micron gold plating, providing exceptional corrosion protection and optimal signal transmission. Another important feature is support for the PoE++ (Power over Ethernet++) standard, enabling robust power delivery over network cables. This makes the device ideal for power-hungry applications such as cameras, access points, and other devices that require extra power.

The modular plug is equipped with a tangle-free lock that prevents annoying cable tangles and ensures a seamless connection experience. The cable comes with a high-quality clear plug, providing extra strength and protection to the cable ends and ensuring durability and reliability, even in demanding environments.

The cable's performance meets the requirements for Cat.6a (ANSI/TIA-568-C.2 and ISO 11801).

## Main Specifications

<b>Brand</b>	LinkIT
<b>Length (m)</b>	7
<b>Category</b>	Cat.6a Slim
<b>Connector type 1</b>	RJ-45 male (8P8C)
<b>Connector type 2</b>	RJ-45 male (8P8C)
<b>Conductor material</b>	Copper
<b>Cable shielding</b>	U/FTP - unshielded/foiled twisted pairs
<b>Conductor design</b>	Stranded



## Extended Specifications

<b>AWG wire size</b>	28
<b>Transmission speed</b>	10Gbps
<b>Frequency (Mhz)</b>	500
<b>Cable structure</b>	4 x 2 AWG 28/1 (Solid)
<b>Locking type</b>	Snagless
<b>NVP value</b>	69%
<b>Jacket material</b>	LSZH
<b>Anti-kink sleeve</b>	Assembled
<b>Pin Assignment</b>	1-2;3-6;4-5;7-8
<b>Operating Temperature</b>	-20° ~ 60°C
<b>Cable Diameter (mm)</b>	4.8
<b>Halogenfree</b>	✓
<b>Fire retardant version</b>	✓
<b>Core color 1</b>	White, Orange
<b>Core color 2</b>	White, Green
<b>Core color 3</b>	Blue, White
<b>Core Color 4</b>	White, Brown
<b>Connector contact plating</b>	50u gold plated
<b>Certifications</b>	CE, REACH, RoHS

## Single packaging

<b>Unit</b>	PCE
<b>Quantity</b>	1



# Dimensional Sketches

RoHS COMPLIANT		REVISION INFORMATION																													
<p><b>Overview</b></p> <ul style="list-style-type: none"> <li>Bandwidth: 500MHz</li> <li>OD: 4.8mm</li> <li>Conductor: 28AWG</li> <li>Approvals: RoHS</li> <li>Connector: 50U" gold plated RJ45 connector</li> </ul> <p><b>Physical Characteristics</b></p> <ul style="list-style-type: none"> <li>Cable Type – Cat6A U/FTP</li> <li>Connector Type(s) – RJ45</li> <li>Wiring Scheme – T568B</li> <li>Temperature Rating                             <ul style="list-style-type: none"> <li>Installation: 0°C–50°C</li> <li>Operation: -20°C–60°C</li> </ul> </li> <li>Voltage Rating – 30V</li> </ul> <p><b>Conductor (Qty. 4 twisted pair)</b></p> <ul style="list-style-type: none"> <li>Conductor Type – 28AWG(7/0.12±0.008mm), Stranded BC</li> <li>Insulation – FMPPE</li> <li>Diameter – 0.80±0.05mm</li> <li>Pair Identification:                             <ul style="list-style-type: none"> <li>Pair1=Orange, White</li> <li>Pair2=Blue, White</li> <li>Pair3=Green, White</li> <li>Pair4=Brown, White</li> </ul> </li> </ul> <p><b>Connector Type (Qty. 2)</b></p> <ul style="list-style-type: none"> <li>Connector Type – Shielded 8P8C (RJ45)</li> <li>Gender – Male</li> <li>Connector Material – PC</li> <li>Contact Material – Copper Alloy, Gold Plating – 50U"</li> <li>Hood Material – Transparent Assemble Boot</li> </ul> <p><b>Overall Cable</b></p> <ul style="list-style-type: none"> <li>Jacket – LSZH</li> <li>Minimum Average Thickness – 0.55mm</li> <li>Outer Diameter – 4.8± 0.20mm</li> </ul> <p><b>Electrical Characteristics</b></p> <ul style="list-style-type: none"> <li>Conductor DC Resistance – 80.1Ω/100m (maximum)</li> <li>Impedance – 100Ω</li> <li>Capacitance – 5600pf/100m</li> <li>Propagation Delay – 54ns/100m (maximum)</li> <li>Delay Skew – 46ns/100m (maximum)</li> <li>Pass DEX 8000 Channel Test</li> <li>IEC 60333-1; IEC 60754</li> <li>IEEE 802.3af, 802.3at, 802.3bt</li> </ul>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev.</th> <th>Rev. Date</th> <th>Modified By</th> <th colspan="2">Brief Description</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				Rev.	Rev. Date	Modified By	Brief Description																						
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<p>3 RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG; SHIELDED NICKEL PLATING.</p> <p>2 MOLDED: TRANSPARENT ASSEMBLE BOOT</p> <p>1 CABLE: CAT6A U/FTP (28AWG(7/0.12±0.008BC)+AL/MYLAR)*4+DRAIN(7/0.12±0.008TC) OD: 94.8±0.2MM LSZH JACKET.</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ITEM NO:</th> <td>LinkIT U/FTP Slim CAT.6A 28AWG Patch Cable</td> <th>DRAWER</th> <td>FW</td> </tr> <tr> <th>COLOR</th> <td></td> <th>DATE</th> <td>20230511</td> </tr> <tr> <th>CUSTOMER</th> <td></td> <th>CHECKED</th> <td>ACE</td> </tr> <tr> <th>MATERIAL</th> <td></td> <th>DATE</th> <td>20230511</td> </tr> <tr> <th>REV.</th> <td>A</td> <th>APPROVED</th> <td></td> </tr> <tr> <th>DRAWING NO:</th> <td>8AUFL480712FB 120—30511113</td> <th>DATE</th> <td></td> </tr> <tr> <th>ACAD FILE</th> <td>E:\</td> <td></td> <td></td> </tr> </thead> </table>		ITEM NO:	LinkIT U/FTP Slim CAT.6A 28AWG Patch Cable	DRAWER	FW	COLOR		DATE	20230511	CUSTOMER		CHECKED	ACE	MATERIAL		DATE	20230511	REV.	A	APPROVED		DRAWING NO:	8AUFL480712FB 120—30511113	DATE		ACAD FILE	E:\		
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