



Network Cable Copper

LinkIT SlimPatch U/FTP Cat6a Black 5m

LSZH | AWG 28 | Snagless | OD 4,8MM

Product number: LI-SC6AUFTP-0500-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

Brand	LinkIT
Length (m)	5
Category	Cat.6a Slim
Connector type 1	RJ-45 male (8P8C)
Connector type 2	RJ-45 male (8P8C)
Conductor material	Copper
Cable shielding	U/FTP - unshielded/foiled twisted pairs
Conductor design	Stranded



Extended Specifications

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

Single packaging

Unit	PCE
Quantity	1



Dimensional Sketches

RoHS COMPLIANT		REVISION INFORMATION																													
<p>Overview</p> <ul style="list-style-type: none"> Bandwidth: 500MHz OD: 4.8mm Conductor: 28AWG Approval: RoHS Connector: 50U" gold plated RJ45 connector <p>Physical Characteristics</p> <ul style="list-style-type: none"> Cable Type – Cat6A U/FTP Connector Type(s) – RJ45 Wiring Scheme – T568B Temperature Rating <ul style="list-style-type: none"> Installation: 0°C–50°C Operation: -20°C–60°C Voltage Rating – 30V <p>Conductor (Qty. 4 twisted pair)</p> <ul style="list-style-type: none"> Conductor Type – 28AWG(7/0.12±0.008mm), Stranded BC Insulation – FMPPE Diameter – 0.80±0.05mm Pair Identification: <ul style="list-style-type: none"> Pair1=Orange, White Pair2=Blue, White Pair3=Green, White Pair4=Brown, White <p>Connector Type (Qty. 2)</p> <ul style="list-style-type: none"> Connector Type – Shielded 8P8C (RJ45) Gender – Male Connector Material – PC Contact Material – Copper Alloy, Gold Plating – 50U" Hood Material – Transparent Assemble Boot <p>Overall Cable</p> <ul style="list-style-type: none"> Jacket – LSZH Minimum Average Thickness – 0.55mm Outer Diameter – 4.8± 0.20mm <p>Electrical Characteristics</p> <ul style="list-style-type: none"> Conductor DC Resistance – 80.1Ω/100m (maximum) Impedance – 100Ω Capacitance – 5600pf/100m Propagation Delay – 54ns/100m (maximum) Delay Skew – 46ns/100m (maximum) Pass DEX 8000 Channel Test IEC 60333-1; IEC 60754 IEEE 802.3af, 802.3at, 802.3bt 		<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>Overall Cable</p> <p>L±Tmm</p> <p>SEC-A-A</p> <p>JACKET CONDUCTOR INSULATION AL/MYLAR DRAIN</p>		<p>COLOUR</p> <p>Gray; White; Black; Green; Blue</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>LENGTH(M)</th> <th>TOLERANCE</th> </tr> </thead> <tbody> <tr> <td>0.5</td> <td>+20/-15mm</td> </tr> <tr> <td>1</td> <td>±20mm</td> </tr> <tr> <td>1.5</td> <td>±20mm</td> </tr> <tr> <td>2</td> <td>±30mm</td> </tr> <tr> <td>3</td> <td>±30mm</td> </tr> <tr> <td>5</td> <td>±50mm</td> </tr> <tr> <td>7</td> <td>±50mm</td> </tr> <tr> <td>10</td> <td>±80mm</td> </tr> </tbody> </table>	LENGTH(M)	TOLERANCE	0.5	+20/-15mm	1	±20mm	1.5	±20mm	2	±30mm	3	±30mm	5	±50mm	7	±50mm	10	±80mm									
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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: 4.8±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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