



## Network Cable Copper

**LinkIT U/FTP Slim Cat.6a grey 5m**  
 LSZH | AWG 28 | Snagless | OD 4.8mm

Product number: LI-SC6AUFTP-0500-G

### 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>Color</b>	Grey
<b>Length (m)</b>	5
<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**

**Overview**  
 Bandwidth: 500MHz  
 OD: 4.8mm  
 Conductor: 28AWG  
 Approvals: RoHS  
 Connector: 50U" gold plated RJ45 connector

**Physical Characteristics**  
 • Cable Type – Cat6A U/FTP  
 • Connector Type(s) – RJ45  
 • Wiring Scheme – T568B  
 • Temperature Rating  
 • Installation: 0°C–50°C  
 • Operation: -20°C–60°C  
 • Voltage Rating – 30V

**Conductor (Qty. 4 twisted pair)**  
 • Conductor Type – 28AWG(7/0.12±0.008mm), Stranded BC  
 • Insulation – FMPPE  
 • Diameter – 0.80±0.05mm  
 • Pair Identification:  
 • Pair1=Orange, White  
 • Pair2=Blue, White  
 • Pair3=Green, White  
 • Pair4=Brown, White

**Connector Type (Qty. 2)**  
 • Connector Type – Shielded 8P8C (RJ45)  
 • Gender – Male  
 • Connector Material – PC  
 • Contact Material – Copper Alloy, Gold Plating – 50U"  
 • Hood Material – Transparent Assemble Boot

**Overall Cable**  
 • Jacket – LSZH  
 • Minimum Average Thickness – 0.55mm  
 • Outer Diameter – 4.8± 0.20mm

**Electrical Characteristics**  
 • 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

Rev.	Rev. Date	Modified By	Brief Description

NO.	SPECIFICATION	BOM LIST
3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG; SHIELDED NICKEL PLATING.	
2	MOLDED: TRANSPARENT ASSEMBLE BOOT	
1	CABLE:CAT6A U/FTP (28AWG(7/0.12±0.008BC)+AL/MYLAR)*4+DRAIN(7/0.12±0.008TC) OD:Ø4.8±0.2MM LSZH JACKET.	

COLOUR	LENGTH(M)	TOLERANCE
Gray;	0.5	+20/-15mm
White;	1	±20mm
Black;	1.5	±20mm
Green;	2	±30mm
Blue	3	±30mm
	5	±50mm
	7	±50mm
	10	±80mm

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:\		

