



## Network Cable Copper

### LinkIT SlimPatch U/FTP Cat6a Blue 7m

LSZH | AWG 28 | Snagless | OD 4.8mm

Product number: LI-SC6AUFTP-0700-B

## 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>	White, Blue
<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			
Rec.	Rec. Date	Modified By	Brief Description		

  

**Overview**

- Bandwidth: 500MHz
- OD: 4.8mm
- Conductor: 28AWG
- Approval: 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

  

	P1	P2	T568B		COLOUR	LENGTH(M)	TOLERANCE
1	Orange	1	WHITE/ORANGE		Gray; White; Black; Green; Blue	0.5	+20/-15mm
2	Orange	2	ORANGE			1	±20mm
3	Green	3	WHITE/GREEN			1.5	±20mm
4	Blue	4	BLUE			2	±30mm
5	White/Blue	5	WHITE/BLUE			3	±30mm
6	Green	6	GREEN			5	±50mm
7	White/Brown	7	WHITE/BROWN			7	±50mm
8	Brown	8	BROWN			10	±80mm
S	Shielded	S	SHIELDED				

  

TOLERANCE: ANGULAR		COLOUR	
LINEAT: X ±0.1	X' ±1°	Gray; White; Black; Green; Blue	LENGTH(M)
X ±0.2	X' ±0.2°		
FILLET: R2=RAD.2mm		CHAMFER: C0.5=CHAM.0.5mm	
R5=RAD.5mm		C1=CHAM.1mm	
X1=MAX.RAD.			

  

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:\		

  

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/MLAY]*4+DRAIN(7/0.12±0.008TC) OD: 94.8±0.2MM LSZH JACKET.
NO.	SPECIFICATION BOM LIST

