



## Network Cable Copper

**LinkIT U/UTP Slim Cat.6a Grey 5m**  
AWG 28/7 | LSZH | Snagless | 3,6mm

Product number: SUTPC6A-0500M-GY  
EI-number: 6902008

### 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/UTP - unshielded/unshielded 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 28/7 (Stranded)
<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>Cable Diameter (mm)</b>	3.6
<b>Halogenfree</b>	✓
<b>Oil resistant</b>	✗
<b>Fire retardant version</b>	✓
<b>Connector contact plating</b>	50µin gold plated
<b>Temperature</b>	-20°C to + 75°C
<b>EAN</b>	7090033546034
<b>Certifications</b>	CE, RoHS

## Single packaging

<b>Unit</b>	PCE
<b>Quantity</b>	1
<b>Height (cm)</b>	2,6
<b>Width (cm)</b>	15,9
<b>Length(cm)</b>	15,9
<b>Weight (kg)</b>	0,09
<b>Gross Weight (kg)</b>	0,1



## Dimensional Sketches

**RoHS COMPLIANT**

**Overview**  
 Bandwidth: 500MHz  
 OD: 3.6mm  
 Conductor: 28AWG  
 Approvals: RoHS  
 Connector: 50U" gold plated RJ45 connector

**Physical Characteristics**  
 • Cable Type – Cat6A UTP  
 • Connector Type(s) – RJ45  
 • Wiring Scheme – T568B  
 • Temperature Rating – -20°C to +75°C  
 • Voltage Rating – 30V

**Conductor (Qty. 4 twisted pair)**  
 • Conductor Type – 28AWG(7/0.12), Stranded Bare Copper  
 • Insulation – HDPE  
 • Diameter – 0.60±0.05mm  
 • Pair Identification:  
 • Pair1=Orange, Orange-White  
 • Pair2=Blue, Blue-White  
 • Pair3=Green, Green-White  
 • Pair4=Brown, Brown-White

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

**Overall Cable**  
 • Jacket – LSZH  
 • Minimum Average Thickness – 0.60mm  
 • Outer Diameter – 3.6 ± 0.2mm

**Electrical Characteristics**  
 • Conductor DC Resistance – 24.2Ω/100m (maximum)  
 • Impedance – 100Ω  
 • Capacitance – 5600pf/100m  
 • Propagation Delay – 545ns/100m (maximum)  
 • Delay Skew – 45ns/100m (maximum)  
 • Fluke DSX 8000 Channel Test ( Randomly test, not individually test)  
 • IEC 60332-1; IEC 60754  
 • IEEE 802.3af, 802.3at, 802.3bt

MARKING: LINKIT CATEGORY 6A U/UTP PATCH CABLE  
STRANDED 28AWG LSZH

JACKET  
INSULATION  
CONDUCTOR  
SEC:A-A

COLOUR	LENGTH(mm)	TOLERANCE
	200	±15mm
	300	±15mm
	500	±15mm
	750	±15mm
	1000	±20mm
Blue-RAL5015	1500	±20mm
Green-RAL6029	2000	±30mm
Grey-RAL7035	2500	±30mm
White-RAL9003	3000	±30mm
Red-RAL3031	3500	±30mm
	4000	±30mm
	4500	±30mm
	5000	±30mm
	7500	±60mm
	10000	±80mm

P1	P2	
1	1	WHITE/ORANGE
2	2	ORANGE
3	3	WHITE/GREEN
4	4	BLUE
5	5	WHITE/BLUE
6	6	GREEN
7	7	WHITE/BROWN
8	8	BROWN

3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG.	
2	MOLDED: TRANSPARENT ASSEMBLE BOOT .	
1	CABLE: CAT6A U/UTP 4P/28AWG(7/0.12±0.008BC) OD=Ø3.6±0.2MM LSZH JACKET.	
NO.	SPECIFICATION	Q'TY
BOM LIST		

ITEM NO:	LinkIT U/UTP Slim CAT.6A 28AWG Patch Cable		DRAWER	LY
TITLE			DATE	20181218
CUSTOMER			CHECKED	MTC
MATERIAL			DATE	20181218
REV.	A	UNIT	APPROVED	
		MM	DATE	
DRAWING NO:	81218093			
ACAD FILE	E:\			

