



## Network Cable Copper

### LinkIT SlimPatch U/UTP Cat6a Grey 1m

AWG 28/7 | LSZH | 3,6mm

Product number: SUTPC6A-0100M-GY

EI-number: 6903293

## Product Description

Thin network cable for demanding installations, modern construction that can handle 10Gps and PoE ++. Network cable that is much thinner in diameter than standard cable. Space saving and easy to work with. Ideal for data centers, patch cabinets etc. Cable performance exceeds Cat.6a requirements (ANSI / TIA-568-C.2 and ISO 11801) if the installation cable used is Cat.6a 23AWG certified cable. The maximum link length is 96 meters, if the installation cable used is certified Cat.6a 23AWG cable 90 meters, and the patch cables doesn't exceed 6m. PoE and PoE + are supported for cable bundles up to 48 cables, PoE ++ Type3 and 4 are supported for cable bundles up to 24 cables.

## Main Specifications

<b>Brand</b>	LinkIT
<b>Color</b>	Grey
<b>Length (m)</b>	1
<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>Cable type</b>	U/UTP
<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>Certifications</b>	CE, RoHS

## Single packaging

<b>Unit</b>	PCE
<b>Quantity</b>	1
<b>Height (cm)</b>	0,09
<b>Width (cm)</b>	1,25
<b>Length(cm)</b>	1,25
<b>Weight (kg)</b>	0,03
<b>Gross Weight (kg)</b>	3E-05
<b>Volum (dm<sup>3</sup>)</b>	0



## 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

**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

NO.	SPECIFICATION	Q'TY
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.	
BOM LIST		

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

