

## Network Cable Copper

### LinkIT Flexi-boot U/UTP Cat6a Gray 7m

Flexible-boot | AWG28 | LSZH | OD3,6mm



Product number: LI-C6AUUTP-SFB-0070G

EI-number: 6904525

## Product Description

LinkIT U/UTP Slim Cat. 6a is a network cable engineered for top-tier performance and high versatility. With a fully flexible boot, the cable can easily bend at angles of up to 90 degrees. It is manufactured with an LSZH (Low Smoke Zero Halogen) jacket, ensuring enhanced safety through minimal smoke emission and low toxicity in the event of a fire. Despite its slim outer diameter of just 3.6 mm, it combines high durability with space-saving properties. The 50-micron gold-plated plugs ensure reliable data transmission, and the cable is Fluke DSX-8000 channel tested. It is compatible with PoE, PoE+, and PoE++, making it ideal for powering a wide range of network devices.

## Main Specifications

<b>Brand</b>	LinkIT
<b>Color</b>	Grey
<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/UTP - unshielded/unshielded twisted pairs
<b>Conductor design</b>	Stranded



## Extended Specifications

<b>AWG wire size</b>	28
<b>Frequency (Mhz)</b>	500
<b>Cable structure</b>	4 x 2 AWG 28/7 (Stranded)
<b>Jacket material</b>	LSZH
<b>Pin Assignment</b>	568B-568B
<b>Operating Temperature</b>	-20°C ~ 60°C
<b>Cable Diameter (mm)</b>	3.6
<b>Halogenfree</b>	✓
<b>Fire retardant version</b>	✓
<b>Core color 1</b>	Orange
<b>Core color 2</b>	Blue
<b>Core color 3</b>	Green
<b>Core Color 4</b>	Brown
<b>Temperature</b>	0°C ~ 50°C
<b>Certifications</b>	CE, REACH, RoHS

## Single packaging

<b>Unit</b>	PCE
<b>Quantity</b>	1
<b>Height (cm)</b>	20,3
<b>Width (cm)</b>	22,8
<b>Length(cm)</b>	1,8
<b>Gross Weight (kg)</b>	0,2
<b>Splittable</b>	✓
<b>Volum (dm<sup>3</sup>)</b>	0,833



# 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  
 • Installation: 0°C–50°C  
 • Operation: -20°C–60°C  
 • Voltage Rating – 30V

**Conductor (Qty. 4 twisted pair)**  
 • Conductor Type – 28AWG(7/0.12±0.006MM), Stranded BC  
 • 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 – Molded TPE

**Overall Cable**  
 • Jacket – LSZH  
 • Minimum Average Thickness – 0.60mm  
 • Outer Diameter – 3.6±0.15mm

**Electrical Characteristics**  
 • Conductor DC Resistance – 28.45Ω/100m (maximum)  
 • Impedance – 100Ω  
 • Capacitance – 560pF/100m  
 • Propagation Delay – 545ns/100m (maximum)  
 • Delay Skew – 45ns/100m (maximum)  
 • Pass Fluke DSX 8000 Channel link Test  
 • IEC 60332-1; IEC 60754  
 • IEEE 802.3af, 802.3at, 802.3bt

**REVISION INFORMATION**

Rev.	Rev. Date	Modified By	Brief Description

**Color Coding Legend:**

P1	P2 T568B	Color
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

**TOLERANCE:**

LINEAR:	ANGULAR:
X = ±1	X° = ±1°
X = ±0.2	X° = ±0°30'
JOK = ±0.05	

**FILLET:** R2=RAD.2mm, R5=RAD.5mm, XR=MAX RAD.  
**CHAMFER:** C0.5=CHAM0.5mm, C1=CHAM1mm

**TOLERANCE GENERALES**

LENGTH(M)	0<L<1	1≤L<2	2≤L<5	5≤L<10	L≥10
TOLERANCE	+35/-15mm	+35/-20mm	+35/-30mm	±50mm	±80mm

**Blue; Black; Grey; White; Yellow; Red; Orange; Green; Purple**

ITEM NO:	Flex-Boot Bendable CAT.6A U/UTP 28AWG Slim Patch Cable	DRAWER:	FW
TITLE:		DATE:	20230222
CUSTOMER:		CHECKED:	ACE
MATERIAL:		DATE:	20230222
REV.	A	APPROVED:	
DRAWING NO:	BAU01360712HB 250-40222102	SCALE:	MM
ACAD FILE:	E:\		

**BOM LIST**

NO.	Description
3	RJ45 PLUG: 8P8C 50U* GOLD PLATED TWO-PIECE PLUG.
2	MOLDED: TPE MOLDED BOOT.
1	CABLE: CAT6A UTP 4P/28AWG(7/0.12±0.006BC) OD=Ø3.6±0.15MM LSZH JACKET.

