

## Network Cable Copper

### LinkIT U/UTP Slim Cat.6a Black 10m

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



Product number: LI-C6AUUTP-SFB-0100S

## Product Description

LinkIT U/UTP Slim Cat. 6a is a network cable engineered for top-tier performance and versatility. With its fully flexible boot, this cable effortlessly bends at any angle from 0 to 360 degrees. Crafted with LSZH (Low Smoke Zero Halogen) jacketing, it prioritizes safety by ensuring minimal smoke emission and toxicity in case of a fire. Despite its slender outer diameter of just 3.6mm, it boasts robustness and space-saving qualities. The cable's 50-micron gold-plated plugs guarantee reliable data transmission, Fluke DSX 8000 channel tested. Compatible with PoE, PoE+, and PoE++, it's ideal for powering various network devices

## Main Specifications

<b>Brand</b>	LinkIT
<b>Color</b>	Black
<b>Length (m)</b>	10
<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



## 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

**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

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

**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

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:	BAU0L360712HB 250—40222102	DATE	
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.

