

Network Cable Copper

LinkIT Flexi-boot U/UTP Cat6a Black 10m

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



Product number: LI-C6AUUTP-SFB-0100S

EI-number: 6904531

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

Brand	LinkIT
Color	Black
Length (m)	10
Category	Cat.6a Slim
Connector type 1	RJ-45 male (8P8C)
Connector type 2	RJ-45 male (8P8C)
Conductor material	Copper
Cable shielding	U/UTP - unshielded/unshielded twisted pairs
Conductor design	Stranded



Extended Specifications

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

Single packaging

Unit	PCE
Quantity	1
Height (cm)	20,3
Width (cm)	22,8
Length(cm)	2
Gross Weight (kg)	0,29
Splittable	✓
Volum (dm³)	0,926



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	DATE	
ACAD FILE	E:\		

BOM LIST

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.

