

Network Cable Copper

LinkIT U/UTP Slim Cat.6a Gray 1,5m

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



Product number: LI-C6AUUTP-SFB-0015G

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

Brand	LinkIT
Color	Blue
Length (m)	1,5
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



Dimensional Sketches

RoHS COMPLIANT		REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description		

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

TOLERANCE:

LINEAR: X = ±1 X = ±0.2 X = ±0.05	ANGULAR: X° = ±1° X° = ±0°30'
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FILLET: R2=RAD.2mm
R5=RAD.5mm
R8=RAD.8mm
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	UNIT	MM		
DRAWING NO:	BAU0L360712HB 250—40222102				
ACAD FILE	E:\				

NO.	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.

