

Network Cable Copper



LinkIT U/UTP Slim Cat.6a Blue 7m

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

Product number: LI-C6AUUTP-SFB-0070B

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) | 7 |
| 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

Overview
 Bandwidth: 500MHz
 OD: 3.6mm
 Conductor: 28AWG
 Approvals: RoHS
 Connector: 50U" gold plated RJ45 connector

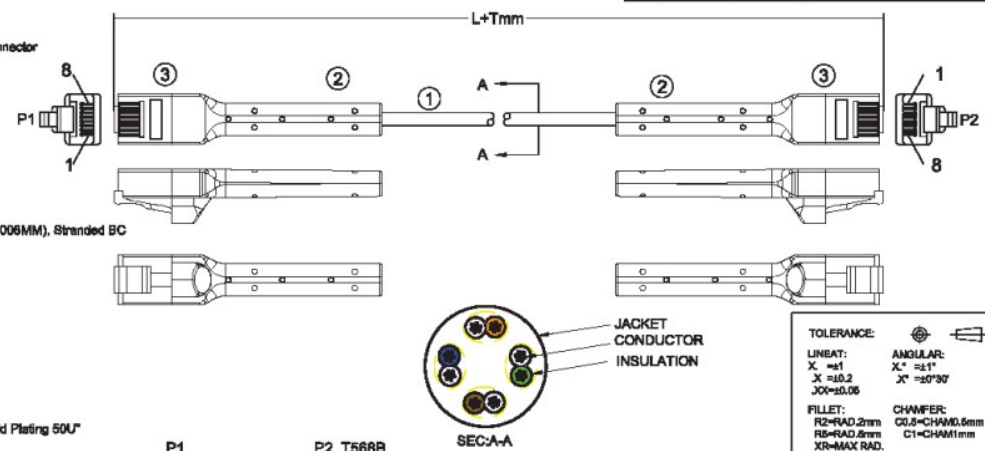
Physical Characteristics
 • Cable Type – Cat6A UTP
 • Connector Type(s) – RJ45
 • Wiring Scheme – T568B
 • Temperature Rating
 • Installation: 0°C–50°C
 • Operation: -20°C–60°C
 • Voltage Rating – 30V

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



JACKET
CONDUCTOR
INSULATION

SECA-A

REVISION INFORMATION

| Rev. | Rev. Date | Modified By | Brief Description |
|------|-----------|-------------|-------------------|
| | | | |

TOLERANCE:

LINEAR: X = ±1
X = ±0.2
X = ±0.05

ANGULAR: X° = ±1°
X° = ±0°30'

FILLET: R2=RAD.2mm
R3=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: DATE: 20230222
 TITLE: CHECKED: ACE DATE: 20230222
 CUSTOMER: APPROVED: DATE:
 MATERIAL: SCALE: MM
 REV. A UNIT MM
 DRAWING NO: BAU0L360712HB 250-40222102
 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. |

