



## Network Cable Copper

**LinkIT U/UTP Outdoor Patch Cat6a 2m**  
 AWG24 | PUR | OD 6mm | Black

Product number: LI-C6AUUTP-OUT-002BK

### Product Description

The LinkIT Outdoor Cat6a U/UTP patch cable is designed to meet industrial standards and offers high performance with a range of technical specifications. The cable is made of pure copper with an AWG 24/7 structure, providing a conductor diameter of 0.20 mm. It features 50 μ gold-plated connectors and has an outer diameter of 6 mm. The cable's protection includes a halogen-free and flame-retardant PUR sheath, ensuring long-lasting durability. The LinkIT cable is tested with DSX Fluke Channel to guarantee quality. It has an ultra-short molded boot and tangle-free latch plugs that prevent snags and provide easy release. The cable is designed to operate effectively within a temperature range of -40°C to +80°C.

### Main Specifications

<b>Brand</b>	LinkIT
<b>Color</b>	Black
<b>Length (m)</b>	2
<b>Category</b>	Cat.6a
<b>Connector type 1</b>	RJ-45 male (8P8C)
<b>Connector type 2</b>	RJ-45 M (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>	24
<b>Transmission speed</b>	10Gbps
<b>Frequency (Mhz)</b>	500
<b>Jacket material</b>	PUR
<b>Operating Temperature</b>	-40°C - 80°C
<b>Cable Diameter (mm)</b>	6
<b>Halogenfree</b>	V
<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>Connector contact plating</b>	50 µin gold plated
<b>EAN</b>	7072262020280
<b>Certifications</b>	CE, RoHS



# Dimensional Sketches

**RoHS COMPLIANT**

**Overview**  
 Bandwidth: 500MHz  
 OD: 8.0mm  
 Conductor: 24AWG  
 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: -40°C–80°C  
 • Voltage Rating – 30V

**Conductor (Qty. 4 twisted pair)**  
 • Conductor Type – 24AWG(7/0.20±0.008mm), Stranded BC  
 • Insulation – HDPE  
 • Diameter – 1.00±0.05mm  
 • Pair Identification:  
 • Pair1=Orange, White/Orange  
 • Pair2=Blue, White/Blue  
 • Pair3=Green, White/Green  
 • Pair4=Brown, White/Brown

**Connector Type (Qty. 2)**  
 • Connector Type – 8P8C (RJ45)  
 • Gender – Male  
 • Connector Material – PC  
 • Contact Material – Copper Alloy, Gold Plating 50U"  
 • Hood Material – Molded PVC

**Overall Cable**  
 • Jacket – PUR  
 • Minimum Average Thickness – 0.50mm  
 • Outer Diameter – 8.0 ± 0.20mm

**Electrical Characteristics**  
 • Conductor DC Resistance – 11.25Ω/100m (maximum)  
 • Impedance – 100Ω  
 • Capacitance – 5800pf/100m  
 • Propagation Delay – 545ns/100m (maximum)  
 • Delay Skew – 46ns/100m (maximum)  
 • PASS DSX 8000 Fluke Channel link Test  
 IEC 60332-1; IEC 60754  
 IEEE 802.3af, 802.3at, 802.3bt

Heat shrink tubing

JACKET  
CONDUCTOR  
INSULATION  
CROSS

SECC-A

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

Rec.	Rec. Date	Modified By	Brief Description

**TOLERANCE:**

LINEAR: X ±0.1  
X ±0.5  
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

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:	Industrial & Outdoor CAT.6A U/UTP 24AWG 10G Ethernet Cable with Ultra Short Boot	DRAWER	FW
TITLE		DATE	20240713
CUSTOMER		CHECKED	ACE
MATERIAL		DATE	20240713
REV.	A	APPROVED	
SCALE		DATE	
UNIT	MM		

3	RJ45 PLUG; 8P8C 50U" GOLD PLATED TWO-PIECE PLUG.	
2	MOLDED;PVC MOLDED BOOT .	
1	CABLE: CAT6A UTP 4P/24AWG(7/0.20±0.008BC)+CROSS OD=Ø6.0±0.20MM PUR JACKET.	
NO.	SPECIFICATION	
	BOM LIST	

