



Network Cable Copper

LinkIT U/UTP Outdoor Patch Cat6a 10m
 AWG24 | PUR | OD 6mm | Black

Product number: LI-C6AUUTP-OUT-010BK

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

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



Extended Specifications

AWG wire size	24
Transmission speed	10Gbps
Frequency (Mhz)	500
Jacket material	PUR
Operating Temperature	-40°C - 80°C
Cable Diameter (mm)	6
Halogenfree	V
Core color 1	Orange
Core color 2	Blue
Core color 3	Green
Core Color 4	Brown
Connector contact plating	50 µin gold plated
EAN	7072262020327
Certifications	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

REVISION INFORMATION			
Rev.	Rev. Date	Modified By	Brief Description

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	
DRAWING NO:	6AU0J800720FB 181-40713100	DATE	
ACAD FILE	E:\		

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

