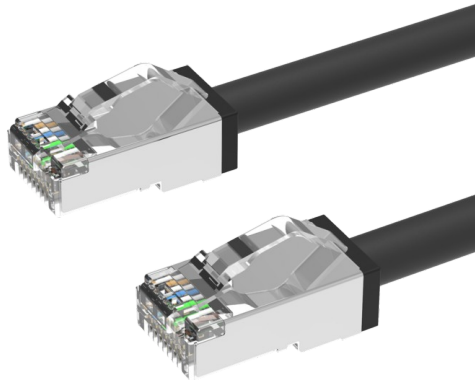


Network Cable Copper



LinkIT S/FTP Outdoor Patch Cat6a 1m
AWG26 | PUR | OD 6mm | Black

Product number: LI-C6ASFTP-OUT-001BK

Product Description

The LinkIT Outdoor Cat6a S/FTP patch cable is designed to meet industrial standards for high performance and reliability. The cable features pure copper conductors with an AWG 26/7 structure and a conductor diameter of 0.16 mm. It is equipped with 50 µm gold-plated connectors and has an outer diameter of 6 mm. The cable is protected by a halogen-free and flame-retardant PUR sheath, ensuring durability and safety. It has been tested with DSX Fluke Channel to guarantee quality. The cable includes an ultra-short molded boot and tangle-free latch plugs that prevent snags and provide easy release. It is designed to operate effectively within a temperature range of -40°C to +80°C.

Main Specifications

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



Extended Specifications

AWG wire size	26
Transmission speed	10Gbps
Frequency (Mhz)	500
Jacket material	PUR
Operating Temperature	-40°C - 80°C
Cable Diameter (mm)	6
Core color 1	Orange
Core color 2	Blue
Core color 3	Green
Core Color 4	Brown
Connector contact plating	50 µin gold plated
EAN	7072262020143
Certifications	CE, RoHS



Dimensional Sketches

RoHS COMPLIANT

Overview
 Bandwidth: 500MHz
 OD: 6.0mm
 Conductor: 26AWG
 Approvals: RoHS
 Connector: 50U* gold plated RJ45 connector

Physical Characteristics
 • Cable Type – Cat6A S/FTP
 • 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 – 26AWG(7/0.16±0.008mm), Stranded BC
 • Insulation – FMPPE
 • Diameter – 1.04±0.05mm
 • Pair Identification:
 • Pair1=Orange, White
 • Pair2=Blue, White
 • Pair3=Green, White
 • Pair4=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 PVC

Overall Cable
 • Jacket – PUR
 • Minimum Average Thickness – 0.60mm
 • Outer Diameter – 6.0 ± 0.20mm

Electrical Characteristics
 • Conductor DC Resistance – 17.9Ω/100m (maximum)
 • Impedance – 100Ω
 • Capacitance – 5800pF/100m
 • Propagation Delay – 545ns/100m (maximum)
 • Delay Skew – 45ns/100m (maximum)
 • Pass Fluke DSX 8000 Channel link Test
 IEC 90332-1; IEC 90754
 IEEE 802.3af, 802.3at, 802.3bt

Heat shrink tubing

JACKET
CONDUCTOR
INSULATION
AL/MYLAR
BRAID

SEC:A-A

P1	P2 T568B	SEC:A-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
S	S	SHIELDED

REVISION INFORMATION

Rev.	Rec. Date	Modified By	Brief Description

TOLERANCE:

LINEAT: X, x±1 X, x±0.5 X±0.05	ANGULAR: X, x±1° X, x±0°30'
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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	+3S/-15mm	+3S/-20mm	+3S/-30mm	±50mm	±80mm

ITEM NO:	Industrial & Outdoor CAT.6A S/FTP 26AWG 10G Ethernet Cable with Ultra Short Boot	DRAWER DATE	FW 20240713
TITLE		CHECKED DATE	ACE 20240713
CUSTOMER		APPROVED DATE	

MATERIAL: _____ SCALE: _____

REV. A UNIT MM

DRAWING NO: GASFU800718FB 181-40713101

ACAD FILE: E:\

3 RJ45 PLUG: 8P8C 50U* GOLD PLATED TWO-PIECE PLUG SHIELDED NICKEL PLATING .

2 MOLDED:PVC MOLDED BOOT .

1 CABLE: CAT6A S/FTP [1P/26AWG(7*0.16±0.008BC)+AL/MYLAR]*4+BRAID(16*5/0.12AL-MG) OD=Ø6.0±0.20MM PUR JACKET.

NO. SPECIFICATION BOM LIST

