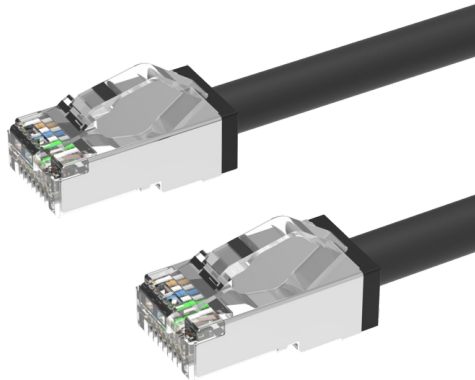


## Network Cable Copper



**LinkIT S/FTP Outdoor Patch Cat6a 5m**  
AWG26 | PUR | OD 6mm | Black

Product number: LI-C6ASFTP-OUT-005BK

### 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

<b>Brand</b>	LinkIT
<b>Color</b>	Black
<b>Length (m)</b>	5
<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>	S/FTP - braided shielding/foiled twisted pairs
<b>Cable type</b>	S/FTP
<b>Conductor design</b>	Stranded



## Extended Specifications

<b>AWG wire size</b>	26
<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>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>Certifications</b>	CE, RoHS

## Single packaging

<b>Unit</b>	PCE
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# 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 – FMFPE  
 • 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

REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description

**Legend:**

P1	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

**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:	FW
TITLE:		DATE:	20240713
CUSTOMER:		CHECKED:	ACE
MATERIAL:		DATE:	20240713
REV.:	A	APPROVED:	
SCALE:		DATE:	
UNIT:	MM		

DRAWING NO:	6ASFU800718FB 181-40713101	
ACAD FILE:	E:\	

NO.	SPECIFICATION
	BOM LIST

