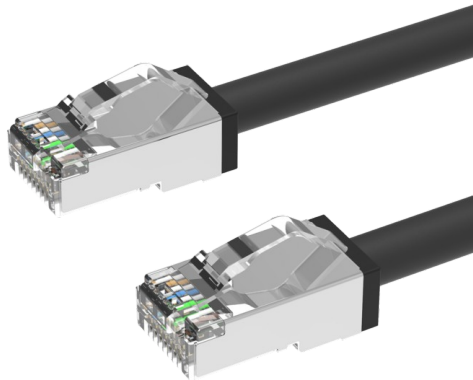


Network Cable Copper



LinkIT S/FTP Outdoor Patch Cat6a 25m
AWG26 | PUR | OD 6mm | Black

Product number: LI-C6ASFTP-OUT-025BK

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) | 25 |
| 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 |
| Cable type | S/FTP |
| 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 |
| Certifications | CE, RoHS |

Single packaging

| | |
|-------------|-----|
| Unit | PCE |
|-------------|-----|



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

| 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 |
| | | DATE | 20240713 |
| MATERIAL | | APPROVED | |
| REV. | A | SCALE | |
| DRAWING NO: | 6ASFU800718FB 181-40713101 | UNIT | MM |
| 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 |

