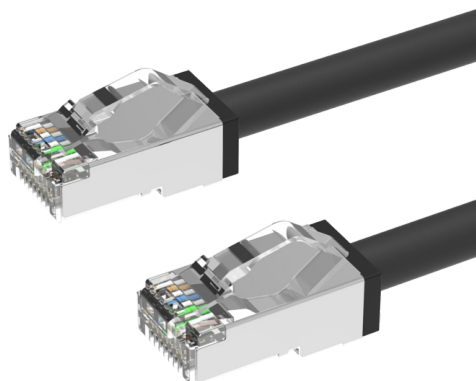


Network Cable Copper



LinkIT S/FTP Outdoor Patch Cat6a 10m
AWG26 | PUR | OD 6mm | Black

Product number: LI-C6ASFTP-OUT-010BK

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) | 10 |
| 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 | 7072262020198 |
| Certifications | CE, RoHS |



Dimensional Sketches

| RoHS COMPLIANT | | REVISION INFORMATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|-------------------|--------|-------|-----------|--|-------------|-------------|--------|------|--------------|--------------|-----------|-----------|---------------|-------|----------|--|-------|--|------|---|------|----|-------------|----------------------------|--|--|-----------|-----|--|--|
| Rec. | Rec. Date | Modified By | Brief Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Overview Bandwidth: 500MHz OD: 6.0mm Conductor: 26AWG Approvals: RoHS Connector: 50U* gold plated RJ45 connector</p> <p>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</p> <p>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</p> <p>Connector Type (Qty. 2) • Connector Type – 8P8C (RJ45) • Gender – Male • Connector Material – PC • Contact Material – Copper Alloy, Gold Plating 50U* • Hood Material – Molded PVC</p> <p>Overall Cable • Jacket – PUR • Minimum Average Thickness – 0.60mm • Outer Diameter – 6.0 ± 0.20mm</p> <p>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</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Overall Cable • Jacket – PUR • Minimum Average Thickness – 0.60mm • Outer Diameter – 6.0 ± 0.20mm</p> | | <p>TOLERANCE:</p> <p>LINEAT: X, x±1 ANGULAR: X, x±1° X, x±0.5 X, x±0.30° X±0.05</p> <p>FILLET: R2=RAD.2mm CHAMFER: C0.5=CHAM0.5mm R5=RAD.5mm C1=CHAM1mm XR=MAX RAD.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Legend:</p> <p>P1 P2 T568B SEC:A-A</p> <p>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</p> | | <p>TOLERANCE GENERALES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>LENGTH(M)</th> <th>0<L<1</th> <th>1≤L<2</th> <th>2≤L<5</th> <th>5≤L<10</th> <th>L≥10</th> </tr> </thead> <tbody> <tr> <td>TOLERANCE</td> <td>+3S/-15mm</td> <td>+3S/-20mm</td> <td>+3S/-30mm</td> <td>±50mm</td> <td>±80mm</td> </tr> </tbody> </table> | | | | 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 | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>3 RJ45 PLUG: 8P8C 50U* GOLD PLATED TWO-PIECE PLUG SHIELDED NICKEL PLATING .</p> <p>2 MOLDED:PVC MOLDED BOOT .</p> <p>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.</p> | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>ITEM NO:</td> <td>Industrial & Outdoor CAT.6A S/FTP 26AWG 10G Ethernet Cable with Ultra Short Boot</td> <td>DRAWER DATE</td> <td>FW 20240713</td> </tr> <tr> <td>TITLE</td> <td></td> <td>CHECKED DATE</td> <td>ACE 20240713</td> </tr> <tr> <td>CUSTOMER</td> <td></td> <td>APPROVED DATE</td> <td></td> </tr> <tr> <td>MATERIAL</td> <td></td> <td>SCALE</td> <td></td> </tr> <tr> <td>REV.</td> <td>A</td> <td>UNIT</td> <td>MM</td> </tr> <tr> <td>DRAWING NO:</td> <td>6ASFU800718FB 181—40713101</td> <td colspan="2" style="text-align: center;"></td> </tr> <tr> <td>ACAD FILE</td> <td>E:\</td> <td colspan="2"></td> </tr> </table> | | | | 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: | 6ASFU800718FB 181—40713101 | | | ACAD FILE | E:\ | | |
| 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: | 6ASFU800718FB 181—40713101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACAD FILE | E:\ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. SPECIFICATION BOM LIST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

