



Network Cable Copper

LinkIT F/UTP Slim Cat.6a Grey 3m

AWG 28/1 | LSZH | Snagless | 4.7mm

Product number: SFTPC6A-0300M-GY
 EI-number: 6902013

Product Description

LinkIt Patch Cat.6a cables stand out with their impressive 50-micron gold plating, providing exceptional corrosion protection and optimal signal transmission. Another important feature is support for the PoE++ (Power over Ethernet++) standard, enabling robust power delivery over network cables. This makes the device ideal for power-hungry applications such as cameras, access points, and other devices that require extra power.

The modular plug is equipped with a tangle-free lock that prevents annoying cable tangles and ensures a seamless connection experience. The cable comes with a high-quality clear plug, providing extra strength and protection to the cable ends and ensuring durability and reliability, even in demanding environments.

The cable's performance meets the requirements for Cat.6a (ANSI/TIA-568-C.2 and ISO 11801).

Main Specifications

| | |
|---------------------------|---|
| Brand | LinkIT |
| Color | Grey |
| Length (m) | 3 |
| Category | Cat.6a Slim |
| Connector type 1 | RJ-45 male (8P8C) |
| Connector type 2 | RJ-45 male (8P8C) |
| Conductor material | Copper |
| Cable shielding | F/UTP - foiled shielding/unshielded twisted pairs |
| Conductor design | Solid |



Extended Specifications

| | |
|----------------------------------|------------------------|
| AWG wire size | 28 |
| Transmission speed | 10Gbps |
| Frequency (Mhz) | 500 |
| Cable structure | 4 x 2 AWG 28/1 (Solid) |
| Locking type | Snagless |
| NVP value | 69% |
| Jacket material | LSZH |
| Anti-kink sleeve | Assembled |
| Pin Assignment | 1-2;3-6;4-5;7-8 |
| Cable Diameter (mm) | 4.7 |
| Halogenfree | ✓ |
| Oil resistant | ✗ |
| Fire retardant version | ✓ |
| Connector contact plating | 50u gold plated |
| Temperature | -20°C to +75°C |
| EAN | 7090033547954 |
| Certifications | CE, RoHS |

Single packaging

| | |
|--------------------------|------|
| Unit | PCE |
| Quantity | 1 |
| Height (cm) | 2,9 |
| Width (cm) | 16,8 |
| Length(cm) | 16,8 |
| Weight (kg) | 0,09 |
| Gross Weight (kg) | 0,09 |



Dimensional Sketches

RoHS COMPLIANT

Overview
 Bandwidth: 500MHz
 OD: 4,7mm
 Conductors: 28AWG
 Approvals: RoHS
 Connector: 50U" gold plated RJ45 connector

Physical Characteristics
 • Cable Type – Cat6A F/UTP
 • Connector Type(s) – RJ45
 • Wiring Scheme – T568B
 • Temperature Rating – -20°C to +75°C
 • Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)
 • Conductor Type – 28AWG(1/0.32), Solid Copper
 • Insulation – HDPE
 • Diameter – 0,60±0,05mm
 • Pair Identification:
 • Pair 1=Orange, Orange-White
 • Pair 2=Blue, Blue-White
 • Pair 3=Green, Green-White
 • Pair 4=Brown, Brown-White

Connector Type (Qty. 2)
 • Connector Type – Shielded 8P8C (RJ45)
 • Gender – Male
 • Connector Material – PC
 • Contact Material – Copper Alloy, Gold Plating 50U"
 • Hood Material – TRANSPARENT ASSEMBLY

Overall Cable
 • Jacket – LSZH
 • Minimum Average Thickness – 0,60mm
 • Outer Diameter – 4,7±0,15mm

Electrical Characteristics
 • Conductor DC Resistance – 15,2Ω/100m (maximum)
 • Impedance – 100Ω
 • Capacitance – 5600pF/100m
 • Propagation Delay – 545ns/100m (maximum)
 • Delay Skew – 45ns/100m (maximum)
 • Fluke DSX 8000 Channel Test (Randomly test, not individually test)
 • IEC 60332-1; IEC 60754
 • IEEE 802.3af, 802.3at, 802.3bt

MARKING: LINKIT CATEGORY 6A F/UTP PATCH CABLE SOLID 28AWG LSZH

SEC-A-A

| | | | |
|----|--|----|--------------|
| P1 | | P2 | |
| 1 | | 1 | WHITE/ORANGE |
| 2 | | 2 | ORANGE |
| 3 | | 3 | WHITE/GREEN |
| 4 | | 4 | GREEN |
| 5 | | 5 | BLUE |
| 6 | | 6 | WHITE/BLUE |
| 7 | | 7 | WHITE/BROWN |
| 8 | | 8 | BROWN |
| S | | S | SHIELDED |

| COLOUR | LENGTH(mm) | TOLERANCE |
|---------------|------------|-----------|
| | 200 | ±15mm |
| | 300 | ±15mm |
| | 500 | ±15mm |
| | 750 | ±15mm |
| | 1000 | ±20mm |
| Blue-RAL5015 | 1500 | ±20mm |
| Green-RAL6029 | 2000 | ±30mm |
| Grey-RAL7035 | 2500 | ±30mm |
| White-RAL9003 | 3000 | ±30mm |
| Red-RAL3031 | 3500 | ±30mm |
| | 4000 | ±30mm |
| | 4500 | ±30mm |
| | 5000 | ±30mm |
| | 7500 | ±60mm |
| | 10000 | ±80mm |

| | | | |
|-------------|--|---------------|--------------|
| ITEM NO: | LinkIT F/UTP Slim CAT.6A 28AWG Patch Cable | DRAWER | LY |
| TITLE | | DATE | 20181218 |
| CUSTOMER | | CHECKED DATE | MTC 20181218 |
| MATERIAL | | APPROVED DATE | |
| REV. | A | UNIT | MM |
| DRAWING NO: | 81218094 | | |
| ACAD FILE | E:\ | | |

| | | |
|-----|--|-----|
| 3 | RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG; NICKEL PLATED SHIELDED. | |
| 2 | MOLDED: TRANSPARENT ASSEMBLY BOOT . | |
| 1 | CABLE: CAT6A F/UTP 4P/28AWG(1/0.32BC)+D(7/0.12TC)+AL/Mylar OD=Ø4.7±0.15mm LSZH JACKET. | |
| NO. | SPECIFICATION | QTY |
| | BOM LIST | |

