



Network Cable Copper

LinkIT U/UTP Slim Cat.6a Black 2.5m
AWG 28/7 | LSZH | Snagless | 3,6mm

Product number: SUTPC6A-0250M-SV

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	Black
Length (m)	2,5
Category	Cat.6a Slim
Connector type 1	RJ-45 male (8P8C)
Connector type 2	RJ-45 male (8P8C)
Conductor material	Copper
Cable shielding	U/UTP - unshielded/unshielded twisted pairs
Conductor design	Stranded



Extended Specifications

AWG wire size	28
Transmission speed	10Gbps
Frequency (Mhz)	500
Cable structure	4 x 2 AWG 28/7 (Stranded)
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)	3.6
Halogenfree	✓
Fire retardant version	✓
Connector contact plating	50µin gold plated
Temperature	-20°C to + 75°C
Certifications	CE, RoHS

Single packaging

Unit	PCE
Quantity	1



Dimensional Sketches

RoHS COMPLIANT

Overview
 Bandwidth: 500MHz
 OD: 3.6mm
 Conductor: 28AWG
 Approvals: RoHS
 Connector: 50U" gold plated RJ45 connector

Physical Characteristics
 • Cable Type – Cat6A 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(7/0.12), Stranded Bare Copper
 • Insulation – HDPE
 • Diameter – 0.60±0.05mm
 • Pair Identification:
 • Pair1=Orange, Orange-White
 • Pair2=Blue, Blue-White
 • Pair3=Green, Green-White
 • Pair4=Brown, Brown-White

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

Overall Cable
 • Jacket – LSZH
 • Minimum Average Thickness – 0.60mm
 • Outer Diameter – 3.6 ± 0.2mm

Electrical Characteristics
 • Conductor DC Resistance – 24.2Ω/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 U/UTP PATCH CABLE
 STRANDED 28AWG LSZH

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

P1	P2	
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

ITEM NO:	LinkIT U/UTP Slim CAT.6A 28AWG Patch Cable		DRAWER	LY
TITLE			DATE	20181218
CUSTOMER			CHECKED DATE	MTC 20181218
MATERIAL		SCALE	APPROVED DATE	
REV.	A	UNIT		
DRAWING NO:	81218093			
ACAD FILE	E:\			

NO.	SPECIFICATION	QTY
3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG.	
2	MOLDED: TRANSPARENT ASSEMBLE BOOT .	
1	CABLE: CAT6A U/UTP 4P/28AWG(7/0.12±0.008BC) OD=Ø3.6±0.2MM LSZH JACKET.	
BOM LIST		

