

Network Cable Copper

LinkIT F/UTP Slim Cat.6a Orange 1m

Patch LSZH AWG28/1 Solid, Snagless 4,7mm



Product number: LI-SC6AFUTP-0010-OR

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
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	✓
Fire retardant version	✓
Connector contact plating	50u gold plated
Temperature	-20°C to +75°C
Certifications	CE, REACH, RoHS

Single packaging

Unit	PCE
Quantity	1



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

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

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

ITEM NO:	LinkIT F/UTP Slim CAT.6A 28AWG Patch Cable	DRAWER	DATE	LY	20181218
TITLE		CHECKED	DATE	MTC	20181218
CUSTOMER		APPROVED	DATE		
MATERIAL		SCALE			
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	

