

Network Cable Copper

LinkIT SlimPatch U/FTP Cat6a orange 3m

AWG 28 | LSZH | Snagless | 4,8mm



Product number: LI-SC6AUFTP-0300-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
Color	Orange
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	U/FTP - unshielded/foiled twisted pairs
Conductor design	Stranded



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
Operating Temperature	-20° ~ 60°C
Cable Diameter (mm)	4.8
Halogenfree	✓
Fire retardant version	✓
Core color 1	White, Orange
Core color 2	White, Green
Core color 3	Blue, White
Core Color 4	White, Brown
Connector contact plating	50u gold plated
Certifications	CE, REACH, RoHS

Single packaging

Unit	PCE
Quantity	1



Dimensional Sketches

RoHS COMPLIANT

REVISION INFORMATION

Rec.	Rec. Date	Modified By	Brief Description

Overview
 Bandwidth: 500MHz
 OD: 4,8mm
 Conductor: 28AWG
 Approvals: RoHS
 Connector: 50U² gold plated RJ45 connector

Physical Characteristics
 • Cable Type – Cat6A U/FTP
 • Connector Type(s) – RJ45
 • Wiring Scheme – T568B
 • Temperature Rating
 • Installation: 0°C – 50°C
 • Operation: -20°C – 60°C
 • Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)
 • Conductor Type – 28AWG(7/0.12±0.008mm), Stranded BC
 • Insulation – FMPE
 • Diameter – 0.80±0.05mm
 • Pair Identification:
 • Pair1=Orange, White
 • Pair2=Blue, White
 • Pair3=Green, White
 • Pair4=Brown, White

Connector Type (Qty. 2)
 • Connector Type – Shielded 8P8C (RJ45)
 • Gender – Male
 • Connector Material – PC
 • Contact Material – Copper Alloy, Gold Plating – 50U²
 • Hood Material – Transparent Assemble Boot

Overall Cable
 • Jacket – LSZH
 • Minimum Average Thickness – 0.55mm
 • Outer Diameter – 4.8± 0.20mm

Electrical Characteristics
 • Conductor DC Resistance – 60.1Ω/100m (maximum)
 • Impedance – 100Ω
 • Capacitance – 5600pF/100m
 • Propagation Delay – 545ns/100m (maximum)
 • Delay Skew – 45ns/100m (maximum)
 • Pass DSX 8000 Channel Test
 IEC 60332-1; IEC 60754
 IEEE 802.3af, 802.3at, 802.3bt

Colour Legend:

P1	P2 T568B
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

COLOUR	LENGTH(M)	TOLERANCE
Grey;	0.5	+20/-15mm
White;	1	±20mm
Black;	1.5	±20mm
Black;	2	±30mm
Green;	3	±30mm
Blue	5	±50mm
	7	±50mm
	10	±80mm

TOLERANCE:
 LINEAR: X ±0.1, X' ±0.2, X'' ±0.05
 ANGULAR: X' ±1°, X'' ±1°30'
 FILLET: R2=RAD 2mm, R5=RAD 5mm, XR=MAX RAD.
 CHAMFER: C0.5=CHAM0.5mm, C1=CHAM1mm

ITEM NO:	LinkIT U/FTP Slim CAT.6A 28AWG Patch Cable	DRAWER	FW
COLOR		DATE	20230511
CUSTOMER		CHECKED	ACE
MATERIAL		DATE	20230511
REV.	A	APPROVED	
DRAWING NO:	6AUFL480712FB 120—30511113	DATE	
ACAD FILE	E:\		

NO.	SPECIFICATION
3	RJ45 PLUG: 8P8C 50U ² GOLD PLATED TWO-PIECE PLUG; SHIELDED NICKEL PLATING.
2	MOLDED: TRANSPARENT ASSEMBLE BOOT
1	CABLE:CAT6A U/FTP [28AWG(7/0.12±0.008BC)+AL/MYLAY]*4+DRAIN(7/0.12±0.008TC) OD:Ø4.8±0.2MM LSZH JACKET.

BOM LIST

