



Network Cable Copper

LinkIT SlimPatch U/FTP Cat6a Black 3m

LSZH | AWG 28 | Snagless | OD 4.8mm

Product number: LI-SC6AUFTP-0300-BL

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
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	White, Blue
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: 50U" 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 – FMPPE
- 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 – 50U"
- 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 – 80.1Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 54ns/100m (maximum)
- Delay Skew – 46ns/100m (maximum)
- Pass DEX 8000 Channel Test
- IEC 60333-1; IEC 60754
- IEEE 802.3af, 802.3at, 802.3bt

	P1	P2	T568B		COLOUR	LENGTH(M)	TOLERANCE
1	Orange	White/Orange	1	White/Orange	Gray;	0.5	+20/-15mm
2	Orange	Orange	2	Orange	White;	1	±20mm
3	Green	White/Green	3	White/Green	Black;	1.5	±20mm
4	Blue	Blue	4	Blue	Green;	2	±30mm
5	White/Blue	White/Blue	5	White/Blue	Blue	3	±30mm
6	Green	Green	6	Green		5	±50mm
7	White/Brown	White/Brown	7	White/Brown		7	±50mm
8	Brown	Brown	8	Brown		10	±80mm
S	Shielded	Shielded	S	Shielded			

TOLERANCE: ANGULAR		COLOUR		LENGTH(M)		TOLERANCE	
LINEAT: X ±0.1	ANGULAR: X' ±1°	Gray; White; Black; Green; Blue	0.5	1	1.5	2	3
X ±0.2	X' ±0.25°						
J0±0.05	J' ±0.25°						
FILET: R2=RAD.2mm	CHAMFER: C0.5=CHAM0.5mm						
R5=RAD.5mm	C1=CHAM1mm						
X1=MAX RAD.							

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:	8AUFL480712FB 120—30511113	DATE:	
ACAD FILE:	E:\		

NO.	SPECIFICATION	BOM LIST					
3	RJ45 PLUG: 8P8C 50U" 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.						

