



Network Cable Copper

LinkIT U/FTP Slim Cat.6a black 5m
LSZH | AWG 28 | Snagless | OD 4,8MM

Product number: LI-SC6AUFTP-0500-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)	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/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

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

REVISION INFORMATION	
Rev.	Brief Description

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/MLYAR)*4+DRAIN(7/0.12±0.008TC) OD:Ø4.8±0.2MM LSZH JACKET.	

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

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:\		

LINEAT:	ANGULAR:
X = ±0.1	X' = ±1°
X' = ±0.2	X'' = ±0.25°
J0 = ±0.05	

FILET:	CHAMFER:
R2=RAD.2mm	C0.5=CHAM0.5mm
R5=RAD.5mm	C1=CHAM1mm
X1=MAX RAD.	

