LinkIT®

Network Cable Copper

LinkIT F/UTP Slim Cat.6a Blue 1m
AWG 28/1 | LSZH | Snagless | 4.7mm

Product number: SFTPC6A-0100M-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
Color	Blue
Length (m)	1
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

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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	V
Oil resistant	X
Fire retardant version	V
Connector contact plating	50u gold plated
Temperature	-20°C to +75°C
EAN	7072662256234
Certifications	CE, RoHS

Single packaging

GTIN f-pak	7090033548770
Unit	PCE
Quantity	1
Height (cm)	1,5
Width (cm)	12,2
Length(cm)	12,2
Weight (kg)	0,04
Gross Weight (kg)	0,04

Dimensional Sketches

RoHS COMPLIANT

Overview
Bandwidth: 500MHz
OD: 4.7mm
Conductor: 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:
  • Pair1▪Orange, Orange-White
  • Pair2▪Blue, Blue-White
  • Pair3▪Green, Green-White
  • Pair4▪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 ASSEMBLE

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

MARKING: LINKIT CATEGORY 6A F/UTP PATCH CABLE SOLID 28AWG LSZH

L±Tmm

SEC:A-A

JACKET
INSULATION
CONDUCTOR
AL/Mylar
DRAIN

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

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

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