



Network Cable Copper

LinkIT SlimPatch U/UTP Cat6a Blue 2.5m
AWG 28/7 | LSZH | 3,6mm

Product number: SUTPC6A-0250M-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)	2,5
Category	Cat.6a Slim
Connector type 1	RJ-45 male (8P8C)
Connector type 2	RJ-45 male (8P8C)
Conductor material	Copper
Cable shielding	U/UTP - unshielded/unshielded twisted pairs
Conductor design	Stranded



Extended Specifications

AWG wire size	28
Transmission speed	10Gbps
Frequency (Mhz)	500
Cable structure	4 x 2 AWG 28/7 (Stranded)
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)	3.6
Halogenfree	✓
Oil resistant	✗
Fire retardant version	✓
Connector contact plating	50µin gold plated
Temperature	-20°C to + 75°C
EAN	7072662257880
Certifications	CE, RoHS

Single packaging

GTIN f-pak	7090033546970
Unit	PCE
Quantity	1
Height (cm)	1,2
Width (cm)	15,8
Length(cm)	15,8
Weight (kg)	0,06
Gross Weight (kg)	0,06



Dimensional Sketches

RoHS COMPLIANT

Overview

Bandwidth: 500MHz
OD: 3.6mm
Conductor: 28AWG
Approvals: RoHS
Connector: 50U" gold plated RJ45 connector

Physical Characteristics

• Cable Type – Cat6A 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(7/0.12), Stranded Bare 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)

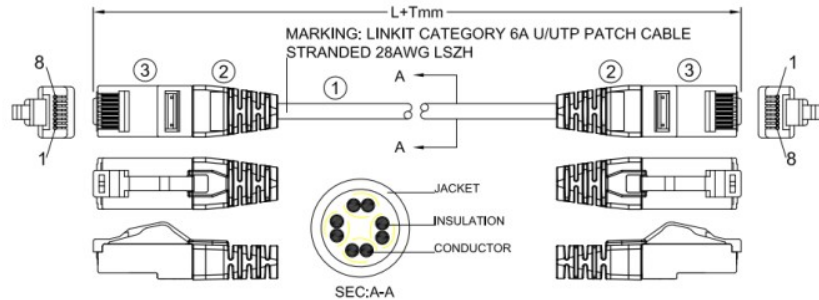
• Connector Type – 8P8C (RJ45)
• Gender – Male
• Connector Material – PC
• Contact Material – Copper Alloy, Gold Plating 50U"
• Hood Material – TRANSPARENT ASSEMBLY

Overall Cable

• Jacket – LSZH
• Minimum Average Thickness – 0.60mm
• Outer Diameter – 3.6 ± 0.2mm

Electrical Characteristics

• Conductor DC Resistance – 24.2Ω/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



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

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

3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG.	
2	MOLDED: TRANSPARENT ASSEMBLY BOOT .	
1	CABLE: CAT6A U/UTP 4P/28AWG(7/0.12±0.008BC) OD=Ø3.6±0.2MM LSZH JACKET.	
NO.	SPECIFICATION	QTY
	BOM LIST	

ITEM NO:	LinkIT U/UTP Slim CAT.6A 28AWG Patch Cable			DRAWER	LY
TITLE				DATE	20181218
CUSTOMER				CHECKED	MTC
MATERIAL				DATE	20181218
REV.	A	UNIT	MM	APPROVED	
DRAWING NO:	81218093			DATE	
ACAD FILE	E:\				

