



## Network Cable Copper

### LinkIT ColorFlex S/FTP Cat6a Grey 3m

SlimPatch | AWG 28 | LSZH | OD 5.2mm

Product number: LI-SC6ASFTP-CF-030G

## Product Description

This solution is optimal for environments requiring high-density cabling, such as data centers and server rooms. The cable has an outer diameter of 5.2 mm, making it ideal for space-saving installations. Using colorful clips, cables can be easily organized and identified, simplifying maintenance and troubleshooting. To ensure that the cabling meets the highest standards for performance and reliability, the Fluke DSX-8000 Channel Test is utilized. This tool verifies cable installations and contributes to optimal network performance. Additionally, the solution is designed to ensure better airflow and cooling performance, reducing the risk of overheating and improving the overall performance and lifespan of the equipment.

## Main Specifications

<b>Brand</b>	LinkIT
<b>Color</b>	Grey
<b>Length (m)</b>	3
<b>Category</b>	Cat.6a Slim
<b>Connector type 1</b>	RJ-45 male (8P8C)
<b>Connector type 2</b>	RJ-45 male (8P8C)
<b>Conductor material</b>	Copper
<b>Cable shielding</b>	S/FTP - braided shielding/foiled twisted pairs
<b>Conductor design</b>	Stranded



## Extended Specifications

<b>AWG wire size</b>	28
<b>Transmission speed</b>	10Gbps
<b>Frequency (Mhz)</b>	500
<b>Cable structure</b>	4 x 2 AWG 28/7 (Stranded)
<b>Jacket material</b>	LSZH
<b>Anti-kink sleeve</b>	Moulded PVC
<b>Operating Temperature</b>	-20°C ~ 60°C
<b>Cable Diameter (mm)</b>	5.2
<b>Halogenfree</b>	✓
<b>Fire retardant version</b>	✓
<b>Core color 1</b>	Orange
<b>Core color 2</b>	Blue
<b>Core color 3</b>	Green
<b>Core Color 4</b>	Brown
<b>Temperature</b>	Installation: 0°C ~ 50°C
<b>Certifications</b>	CE, REACH, RoHS

## Single packaging

<b>Unit</b>	PCE
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# Dimensional Sketches

RoHS COMPLIANT		REVISION INFORMATION			
Rev.	Rev. Date	Modified By	Brief Description		

  

**Overview**

- Bandwidth: 500MHz
- OD: 5.2mm
- Conductor: 28AWG
- Approvals: RoHS
- Connector: 50U" Gold plated RJ45 connector

**Physical Characteristics**

- Cable Type – CAT6A S/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, 50U" Gold Plating
- Hood Material – PVC MOLDED BOOT.

**Overall Cable**

- Jacket – LSZH
- Minimum Average Thickness – 0.80mm
- Outer Diameter – 5.2 ± 0.20mm

**Electrical Characteristics**

- Conductor DC Resistance – 58.3Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5900p/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass Fluke DSX 8000 Channel Test

L±Trmm

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

JACKET  
CONDUCTOR  
INSULATION  
AL/MYLAR  
BRAID

SEC.A-A

TOLERANCE:	
LINEAT:	ANGULAR:
X <sub>1</sub> = ±1	X <sub>2</sub> = ±1°
X <sub>3</sub> = ±0.5	X <sub>4</sub> = ±0°30'
XX = ±0.05	
FILLET:	CHAMFER:
R2=RAD.2mm	C0.5=CHAM0.5mm
R5=RAD.5mm	C1=CHAM1mm
XR=MAX RAD.	

  

TOLERANCE GENERALES					
LENGTH(M)	0<L<1	1≤L<2	2≤L<5	5≤L<10	L≥10
TOLERANCE	+35/-15mm	+35/-20mm	+35/-30mm	±50mm	±80mm
ITEM NO:	Fast Tracing CAT.6A S/FTP 28AWG 10G Patch Cable with Colorful Clips			DRAWER	FW
TITLE				CHECKED	ACE
CUSTOMER				DATE	20240528
MATERIAL				DATE	20240528
REV.	A	UNIT	MM	APPROVED	
DRAWING NO:	8ASFL500712FB			DATE	
ACAD FILE	E:A				

