



Network Cable Copper

LinkIT ColorFlex S/FTP Cat6a Grey 7.5m

SlimPatch | AWG 28 | LSZH | OD 5.2mm

Product number: LI-SC6ASFTP-CF-075G

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

Brand	LinkIT
Color	Grey
Length (m)	7,5
Category	Cat.6a Slim
Connector type 1	RJ-45 male (8P8C)
Connector type 2	RJ-45 male (8P8C)
Conductor material	Copper
Cable shielding	S/FTP - braided shielding/foiled twisted pairs
Conductor design	Stranded



Extended Specifications

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

Single packaging

Unit	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±Tmm

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 ₁ = ±1	X ₂ = ±1°
X ₃ = ±0.5	X ₄ = ±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				DATE	20240528
CUSTOMER				CHECKED	ACE
MATERIAL				DATE	20240528
REV.	A	UNIT	MM	APPROVED	
DRAWING NO:	8ASFL500712FB 180-40528082			DATE	
ACAD FILE	E:A				

NO.	SPECIFICATION
4	COLORFUL CLIPS
3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG; SHIELDED NICKEL PLATING.
2	MOLDED: PVC MOLDED BOOT.
1	CABLE: CAT6A S/FTP [28AWG(7/0.12±0.008BC)+AL/MYLA]*4+BRAID(18*4/0.12AL-MG) OD=Ø5.2±0.20MM LSZH JACKET.

BOM LIST

