

Model : ATZ STPCAT6A.xxM.XX

xx=Length

XX=Color (Grey/ Blue)

Description: CAT.6A S/FTP LSZH patchcord



Category 6A S/FTP LSZH cables are designed to deliver a robust standards based performance supporting up to 10GBase-T, 500MHz up to 100m distance, optimizing bandwidth for today's high speed network applications. When the cable ignites or when the cable comes in contact with high temperatures, such as fire, a cable with LSZH will produce less smoke and there is no release of hazardous gas, due to the presence of thermoplastic.

Features:

- Exceed the minimum specified performance for Category 6A S/FTP cables and support all CLASS EA applications.
- ISO/IEC 11801 (2nd Edition):2010 such as 10GBASE-T (Gigabit Ethernet), 2G FCBASE-T, 4G FCBASE-T and 1000BASE-T (Gigabit Ethernet).
- IEC 60332-1, 60754 & 61034 verified LSZH (low smoke zero halogen) jacket in black.
- High bandwidth up to 500 MHz guarantees high-speed data transmission for cloud storage and support networks of 10/100/1000Mbps/10Gbps, to provide higher-speed stable data transfer for Cloud storage, online gaming, Video conferencing, Livestreaming.
- Additional shielding and improved quality in twisting of the wires that provides better prevention from crosstalk, noise, and interference

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- High speed solution for connecting LAN networking equipment such as PCs, computer servers, printers, routers, switch boxes, network media players, NAS, VoIP phones, POE devices, and more.

Specification:

Cable type	S/FTP (overall braided shield over pair-in-metal-foil)
Cable construction	4 twisted-pairs in Stranded Bare Copper
Jacket Material	LSZH (low smoke zero halogen)
Jacket Colour	Light Grey/ Blue
Length	0.5m to 100m
Conductor	Stranded Pure Bare Copper
Connector	RJ45 shielded crystal head w/50 μ " gold contacts
Connector material	Polycarbonate
Data Speed	10GBase-T
Frequency	500MHz
Gauge (AWG)	26 (7/0.16mm)
Cable Outer Diameter (mm)	6.0 \pm 0.3
Max Transmission Distance	100m
Wire Scheme	T568B, Straight
Standards	ISO, IEC, UL, TIA, ANSI, RoHS
Operating Temperature	-20 to +75°C (-4 to 167°F)
Installation Temperature	-10 to +50°C (14 to 122°F)
Voltage rating	30V

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Product Diagram:

RoHS COMPLIANT

Overview
 Bandwidth: 500MHz
 OD: 6.0mm
 Conductor: 26AWG
 Approvals: RoHS
 Connector: 50U" gold plated RJ45 connector

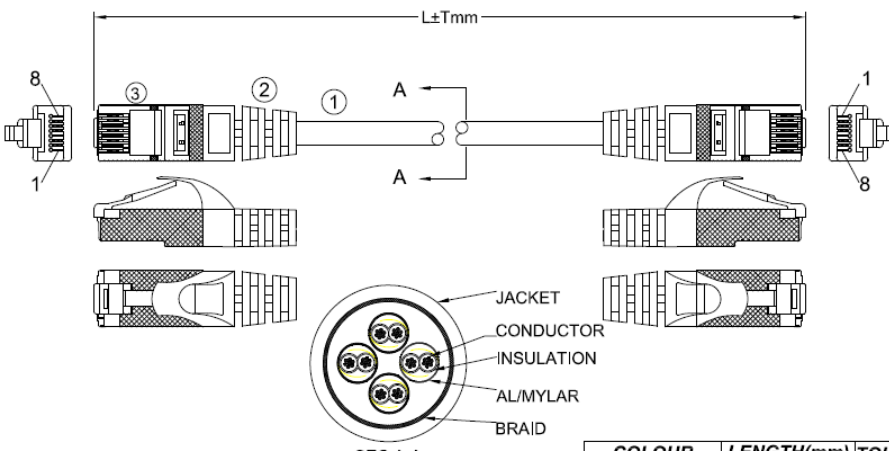
Physical Characteristics
 •Cable Type – CAT6A S/FTP
 •Connector Type(s) – RJ45
 •Wiring Scheme – T568B
 •Temperature Rating – -20°C to +75°C
 •Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)
 • Conductor Type – 26AWG(7/0.16mm), Stranded BC
 • Insulation – FMPE
 • Diameter – 1.04±0.05mm
 • Pair Identification:
 • Pair1=Orange, Orange-White
 • Pair2=Blue, Blue-White
 • Pair3=Green, Green-White
 • Pair4=Brown, Brown-White

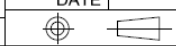

Connector Type (Qty. 2)
 • Connector Type – Shielded 8P8C (RJ45)
 • Gender – Male
 • Connector Material – PC
 • Contact Material – Copper Alloy, Gold Plating – 50µm
 • Hood Material – Molded PVC

Overall Cable
 • Jacket – LSZH
 • Minimum Average Thickness – 0.60mm
 • Outer Diameter – 6.0 ± 0.20mm

Electrical Characteristics
 • Conductor DC Resistance – 15.2Ω/100m (maximum)
 • Impedance – 100Ω
 • Capacitance – 5600pF/100m
 • Propagation Delay – 545ns/100m (maximum)
 • Delay Skew – 45ns/100m (maximum)
 • Pass Fluke DSX 8000 Test



COLOUR	LENGTH(mm)	TOLERANCE
GREY	500	±15mm
	1000	±20mm
	2000	±30mm
	3000	±30mm
	5000	±60mm
	10000	±80mm
	15000	±80mm
	20000	±80mm
25000	±80mm	
30000	±80mm	

ITEM NO:	CAT6A S/FTP PATCH CABLE			DRAWER	RON
COLOR				DATE	20200720
CUSTOMER				CHECKED	ACE
MATERIAL	SCALE			DATE	20200720
REV.	A	UNIT	MM		
DRAWING NO:	6ASFL600716FB 118-00720151				
ACAD FILE	E:\				

NO.	SPECIFICATION	Q'TY
3	RJ45 PLUG; 8P8C 50U" GOLD PLATED TWO-PIECE T PLUG; NICKEL PLATED SHIELDED.	
2	MOLDED: PVC MOLDED BOOT .	
1	CABLE: CAT6A S/FTP[26AWG(7/0.16±0.008BC)+AL/MYLAY]*4+BRAID(16*5/0.12±0.008AL-MG) OD:Ø6.0±0.2MM LSZH JACKET.	
BOM LIST		

Warranty: 3 Years

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.