

# RoHS COMPLIANT

## Overview

Bandwidth: 500MHz  
 OD: 6.0mm  
 Conductor: 26AWG  
 Approvals: RoHS  
 Connector: 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 – 26AWG, Stranded BC
- Insulation – FOPE
- 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)

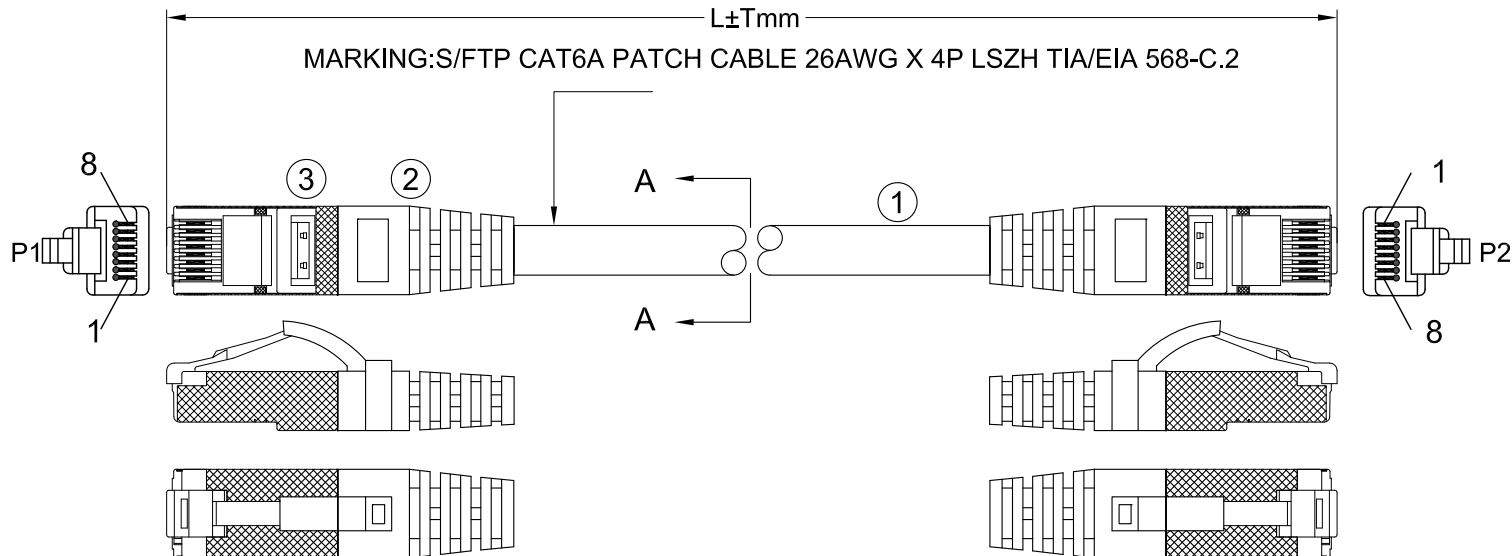
- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating – 50µm
- Hood Material – Molded PVC

## 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



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

ITEM NO:	CAT.6A S/FTP Patch Cable	DRAWER DATE	FW 20220221
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3	RJ45 PLUG: 8P8C GOLD PLATED TWO-PIECE PLUG.; NICKEL PLATED SHIELDED.	
2	MOLDED: PVC MOLDED BOOT .	
1	CABLE: CAT6A S/FTP[1P/26AWG+AL/MYLAR]*4+BRAID(16*5/0.12±0.008 AL-MG) OD:Ø6.0±0.2MM LSZH JACKET.	
NO.	SPECIFICATION	Q'TY
BOM LIST		

**DIREKTRONIK**  
 Dataprodukter utöver det vanliga