

# RoHS COMPLIANT

## Overview

Bandwidth: 500MHz  
 OD: 6.0mm  
 Conductor: 26AWG  
 Approvals: RoHS  
 Connector: 3U" 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(7/0.16±0.008MM), Stranded BC
- Insulation – FMPE
- Diameter – 1.00±0.05mm
- Pair Identification:
  - Pair1=Orange, White
  - Pair2=Blue, White
  - Pair3=Green, White
  - Pair4=Brown, White

## Connector Type (Qty. 2)

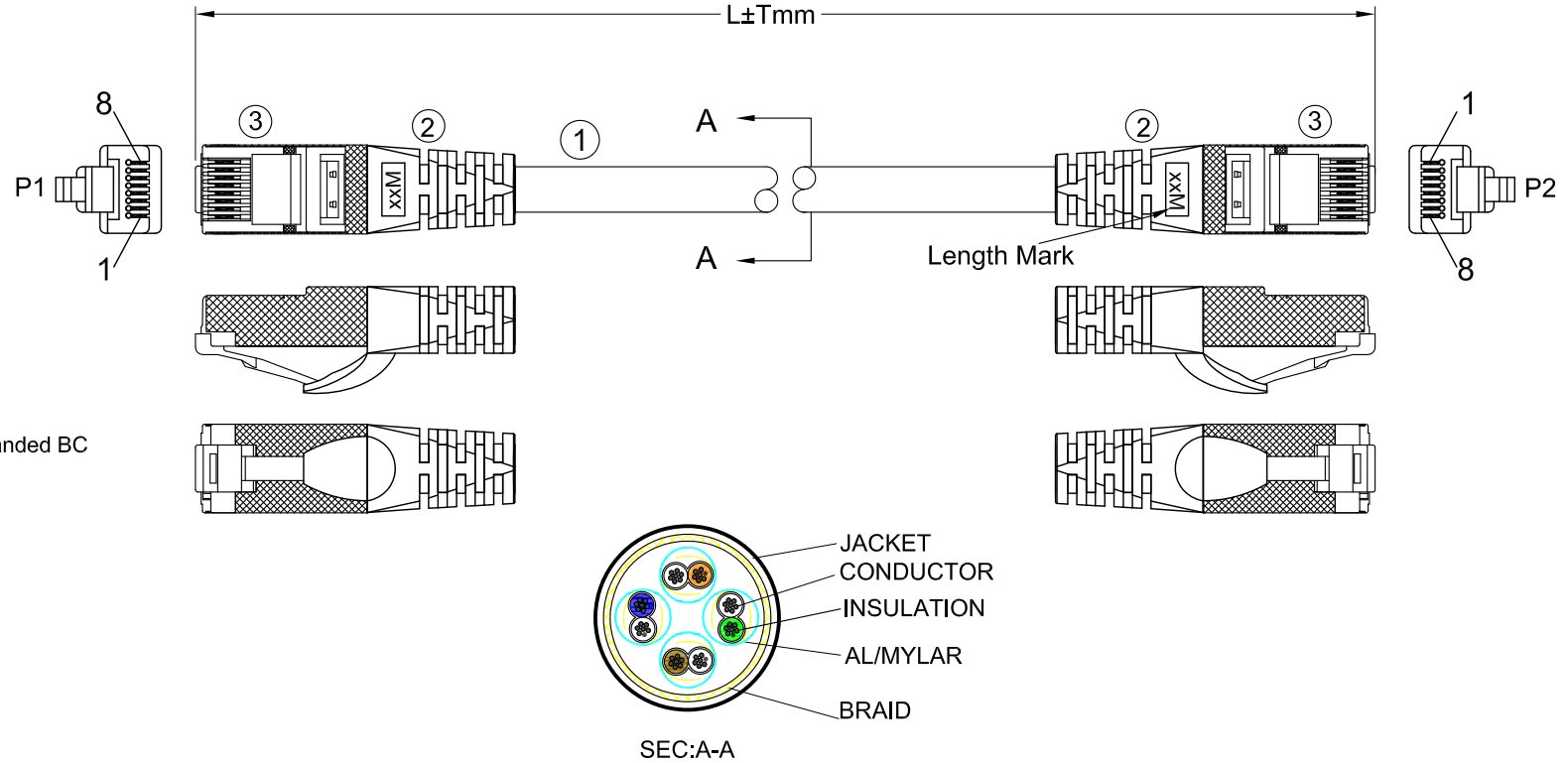
- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating – 3µm
- Hood Material – Molded PVC

## Overall Cable

- Jacket – LSZH
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 6.0 ± 0.20mm

## Electrical Characteristics

- Conductor DC Resistance – 17.89Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass DSX 8000 Fluke Channel 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

TOLERANCE GENERALES					
LENGTH(M)	0<L<1	1≤L<2	2≤L<5	5≤L<10	L≥10
TOLERANCE	+20/-15mm	±20mm	±30mm	±50mm	±80mm

ITEM NO:	CAT.6A S/FTP 26AWG Patch Cable			DRAWER DATE	FW
COLOR				CHECKED DATE	ACE
CUSTOMER				APPROVED DATE	20230415
MATERIAL		SCALE			
REV.	A	UNIT	MM		
DRAWING NO:	6ASFL6007152FB 113---30415134				
ACAD FILE	E:\				



3 RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE 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.

NO. SPECIFICATION

Q'TY

BOM LIST