

**Overview**

Bandwidth: 600MHz  
 OD: 3,8mm  
 Conductor: 32AWG  
 Approvals: RoHS  
 Connector: 3U" gold plated RJ45 connector

**Physical Characteristics**

- Cable Type – CAT7 U/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 – 32AWG(7/0.08±0.008mm), Stranded BC
- Insulation – HDPE
- Diameter – 0,52±0,05mm
- Pair Identification:
  - Pair1=Orange, Orange-White
  - Pair2=Blue, Blue-White
  - Pair3=Green, Green-White
  - Pair4=Brown, Brown-White

**Connector Type (Qty. 2)**

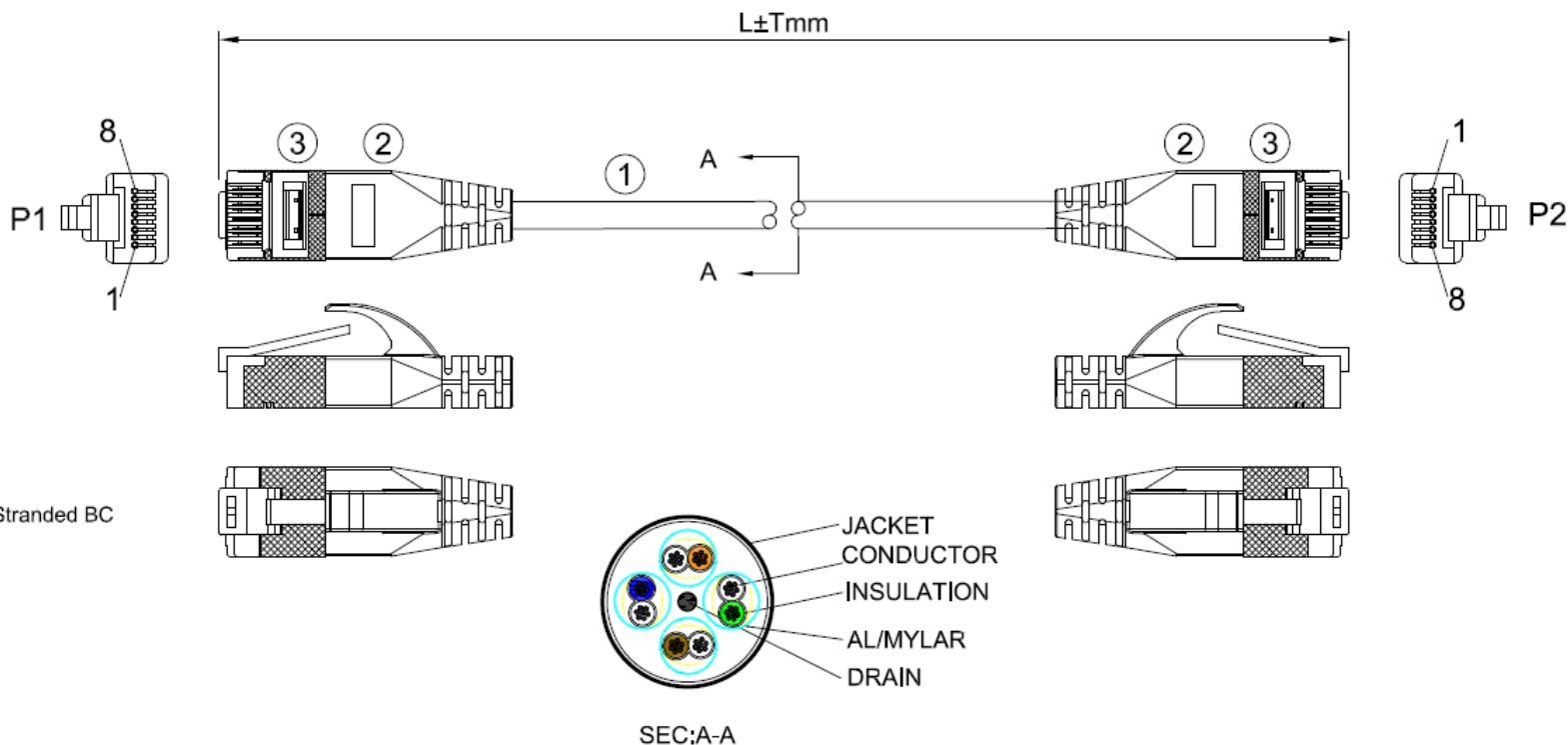
- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating 3U"
- Hood Material – Molded PVC

**Overall Cable**

- Jacket – LSZH
- Minimum Average Thickness – 0.65mm
- Outer Diameter – 3,8 ± 0,15mm

**Electrical Characteristics**

- Conductor DC Resistance – 60,1Ω/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
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

3	RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO PIECE PLUG; SHIELDED GOLD SHELL.
2	MOLDED: PVC MOLDED BOOT.
1	CABLE: CAT7 U/FTP [32AWG(7/0.08±0.008BC)+AL/MYLAY]*4+DRALN(7*0.12TC) OD=Ø3,8±0,15MM LSZH JACKET.
NO.	SPECIFICATION
	BOM LIST

ITEM NO:	CAT.7 STP Slim Patch Cable OD:3.8mm			DRAWER DATE	FW
TITLE				CHECKED DATE	ACE
CUSTOMER				APPROVED DATE	20230426
MATERIAL	SCALE				
REV.	A	UNIT	MM		
DRAWING NO:	70UFL380708HB 246—30426150				
ACAD FILE	E:\				

