

Overview

Bandwidth: 500MHz
OD: 3.8mm
Conductor: 32AWG
Approvals: RoHS
Connector: 50U" gold plated RJ45 connector

Physical Characteristics

- Cable Type – CAT6A U/FTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- Temperature Rating – -20°C to +75°C
- Voltage Rating – 30V
- Minimum Bending Radius: 15MM
- Maximum PoE Support: PoE+

Conductor (Qty. 4 twisted pair)

- Conductor Type – 32AWG, Stranded Bare Copper
- Insulation – FOPE
- Diameter – 0.60±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

Connector Type (Qty. 2)

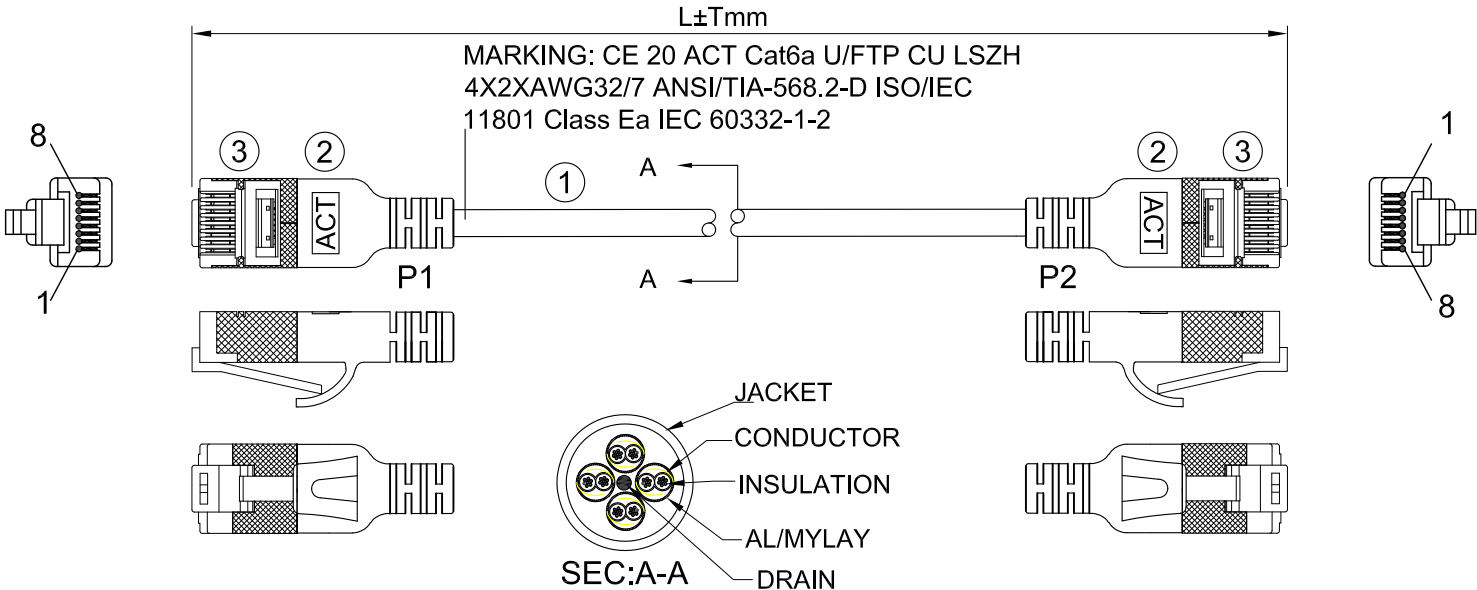
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating 50U"
- Hood Material – Molded PVC

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)



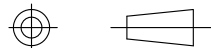
P1		P2	T568B
1	—	1	WHITE/ORANGE
2	—	2	ORANGE
3	—	3	WHITE/GREEN
4	—	4	BLUE
5	—	5	WHITE/BLUE
6	—	6	GREEN
7	—	7	WHITE/BROWN
8	—	8	BROWN
S	—	S	SHIELDED

3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO PIECE PLUG; NICKEL-PLATED SHELL.
2	MOLDED: PVC MOLDED BOOT.
1	CABLE: CAT6A U/FTP [32AWG+AL/MYLAY]*4+DRAIN(7*0.12TC) OD=Ø3.8±0.15MM LSZH JACKET.
NO.	SPECIFICATION
	BOM LIST

ITEM NO:	CAT.6A U/FTP SLIMLINE PATCH CABLE			DRAWER DATE	LY
TITLE				CHECKED DATE	MTC
CUSTOMER				APPROVED DATE	20200617
MATERIAL		SCALE			
REV.	A	UNIT	MM		
DRAWING NO:	6AS0L380708HB 2306---00206111				
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		Length								
		0.25m (±15mm)	0.5m (±15mm)	1m (±20mm)	1.5m (±20mm)	2m (±30mm)	3m (±30mm)	5m (±60mm)	7m (±90mm)	10m (±120mm)
Color	Grey	DC7052	DC7000	DC7001	DC7051	DC7002	DC7003	DC7005	DC7007	DC7010
	Red	DC7552	DC7500	DC7501	DC7551	DC7502	DC7503	DC7505	DC7507	DC7510
	Blue	DC7652	DC7600	DC7601	DC7651	DC7602	DC7603	DC7605	DC7607	DC7610
	Green	DC7752	DC7700	DC7701	DC7751	DC7702	DC7703	DC7705	DC7707	DC7710
	Yellow	DC7852	DC7800	DC7801	DC7851	DC7802	DC7803	DC7805	DC7807	DC7810
	Black	DC7952	DC7900	DC7901	DC7951	DC7902	DC7903	DC7905	DC7907	DC7910

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