

**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)**

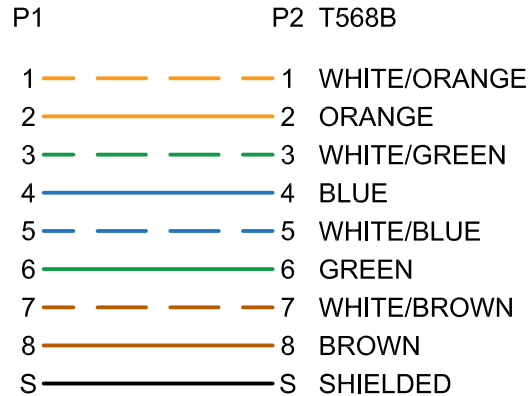
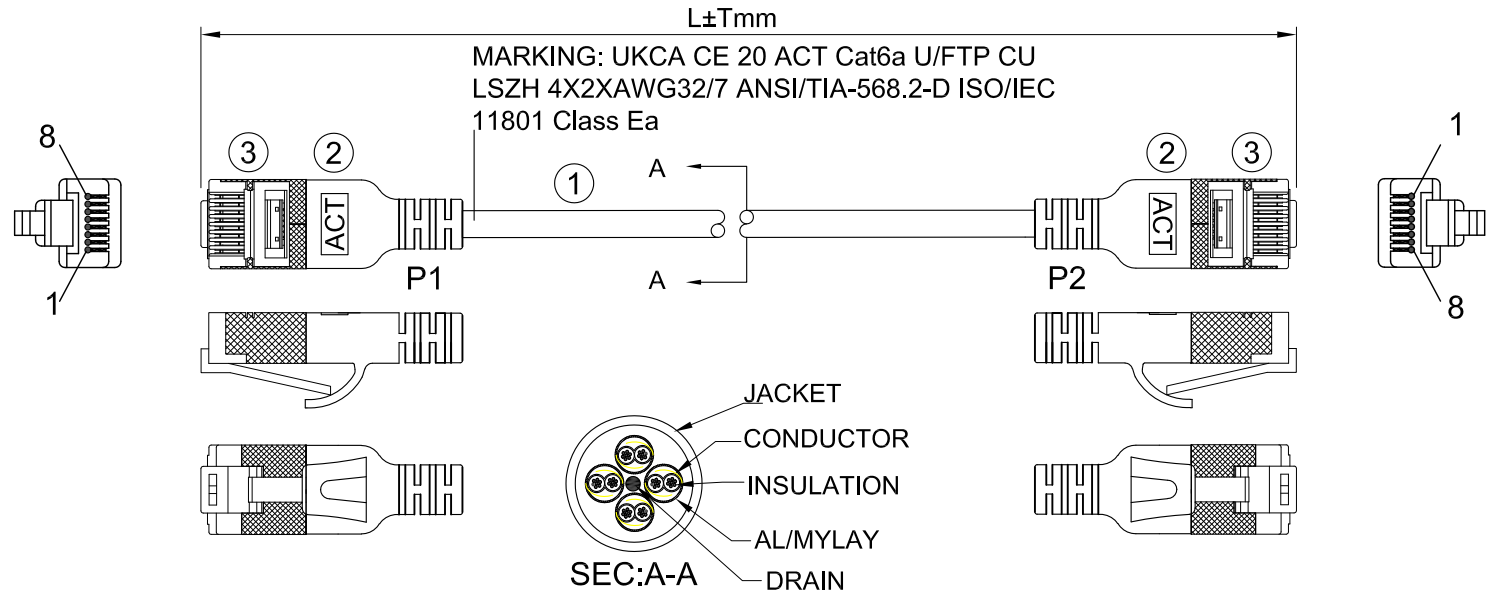
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating 50U"
- Hood Material – Molded PVC

**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)



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/MYLA]*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				
ACAD FILE	E:\				

Length	Grey	Red	Blue	Green	Yellow	Black	Tolerance
0.15M	DC7030	DC7530	DC7630	DC7730	DC7830	DC7930	+20/15mm
0.25M	DC7052	DC7552	DC7652	DC7752	DC7852	DC7952	+20/15mm
0.50M	DC7000	DC7500	DC7600	DC7700	DC7800	DC7900	+20/15mm
1M	DC7001	DC7501	DC7601	DC7701	DC7801	DC7901	±20mm
1.5M	DC7051	DC7551	DC7651	DC7751	DC7851	DC7951	±20mm
2M	DC7002	DC7502	DC7602	DC7702	DC7802	DC7902	±30mm
3M	DC7003	DC7503	DC7603	DC7703	DC7803	DC7903	±30mm
5M	DC7005	DC7505	DC7605	DC7705	DC7805	DC7905	±50mm
7M	DC7007	DC7507	DC7607	DC7707	DC7807	DC7907	±50mm
10M	DC7010	DC7510	DC7610	DC7710	DC7810	DC7910	±80mm

Length	Orange	Brown	Purple	Pink	White	Tolerance
0.15M	DC7130	DC7230	DC7330	DC7430	DC6930	+20/15mm
0.25M	DC7152	DC7252	DC7352	DC7452	DC6952	+20/15mm
0.50M	DC7100	DC7200	DC7300	DC7400	DC6900	+20/15mm
1M	DC7101	DC7201	DC7301	DC7401	DC6901	±20mm
1.5M	DC7151	DC7251	DC7351	DC7451	DC6951	±20mm
2M	DC7102	DC7202	DC7302	DC7402	DC6902	±30mm
3M	DC7103	DC7203	DC7303	DC7403	DC6903	±30mm
5M	DC7105	DC7205	DC7305	DC7405	DC6905	±50mm
7M	DC7107	DC7207	DC7307	DC7407	DC6907	±50mm
10M	DC7110	DC7210	DC7310	DC7410	DC6910	±80mm

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