

RoHS COMPLIANT

Overview

Bandwidth: 500MHz
 OD: 5.7mm
 Conductor: 28AWG
 Approvals: RoHS
 Connector: 50U" gold plated RJ45 connector

Physical Characteristics

- Cable Type – Cat6A U/UTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568A
- Temperature Rating
 - Installation: 0°C~50°C
 - Operation: -20°C~60°C
- Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)

- Conductor Type – 28AWG(7/0.12±0.008mm), Stranded BC
- 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 – Transparent Black PC
- Contact Material – Copper Alloy, Gold Plating 50U"
- Hood Material – PVC MOLDED BOOT

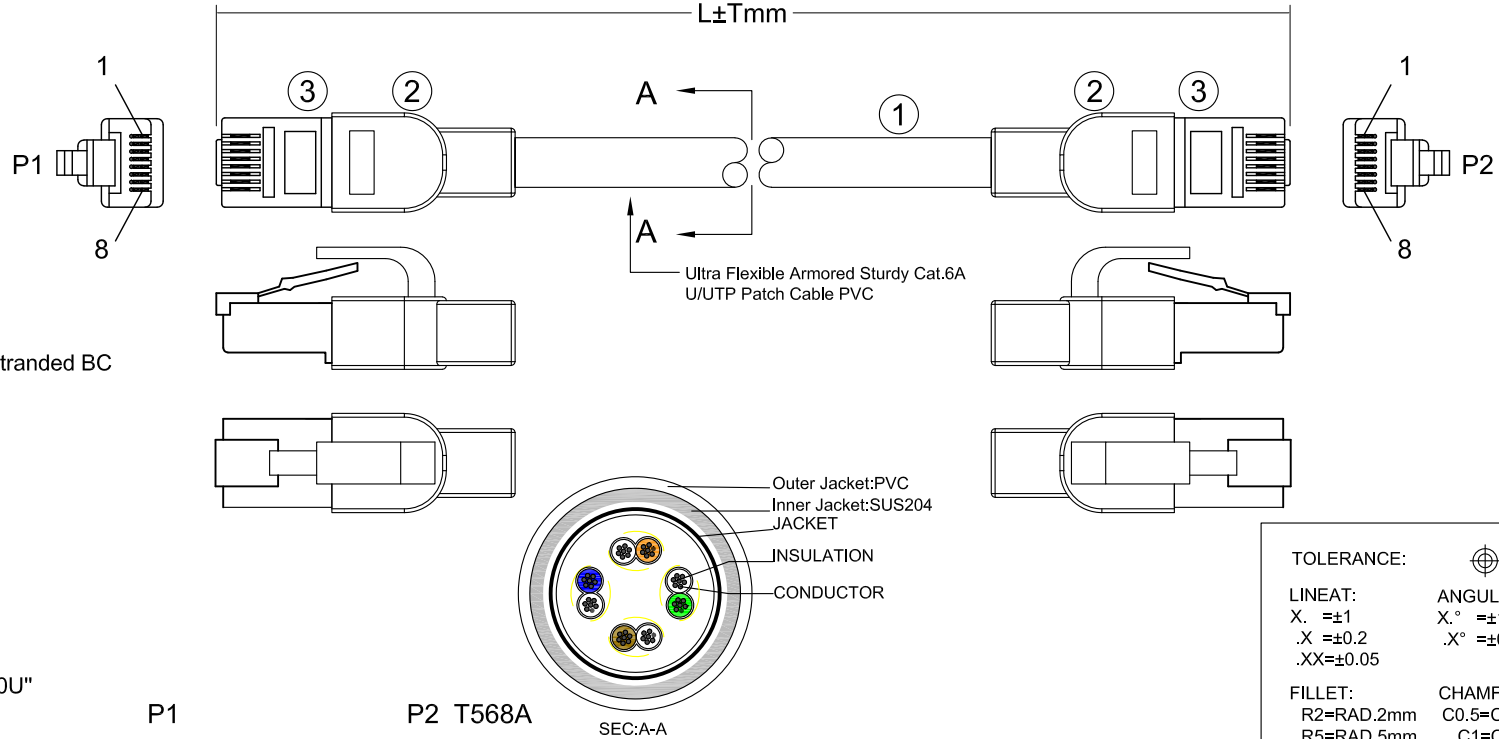
Overall Cable

- Inner Jacket: SUS204
- Outer Jacket: High Elasticity PVC
- Minimum Average Thickness – 0.7mm
- Outer Diameter – 5.7± 0.20mm

Electrical Characteristics

- Conductor DC Resistance – 28.45Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- PASS DSX 8000 Fluke Channel Test

REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description



P1	P2 T568A
1	1 WHITE/GREEN
2	2 GREEN
3	3 WHITE/ORANGE
4	4 BLUE
5	5 WHITE/BLUE
6	6 ORANGE
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
LENGTH(FT)	0<L<3.28	3.28≤L<6.56	6.56≤L<16.4	16.4≤L<32.8	L≥32.8
TOLERANCE	+20/-15mm	±20mm	±30mm	±50mm	±80mm

ITEM NO:	Ultra Flexible Armored Sturdy Cat.6A U/UTP Patch Cable 28AWG	DRAWER DATE	LQ 20230713
TITLE		CHECKED DATE	ACE 20230713
CUSTOMER		APPROVED DATE	
MATERIAL		SCALE	
REV.		UNIT	MM

3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE TRANSPARENT BLACK PLUG.	
2	MOLDED: PVC MOLDED BOOT	
1	CABLE: CAT6A U/UTP 4P/28AWG(7/0.12±0.008BC) OD=Ø5.7±0.2MM PVC JACKET+SUS204 JACKET+HIGH ELASTICITY PVC JACKET	
NO.	SPECIFICATION	Q'TY
BOM LIST		

DRAWING NO:	6AU0K570712B 137-30713154	CL403 SERIES
ACAD FILE		