

RoHS COMPLIANT

REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description

Overview

Bandwidth: 500MHz
 OD: 7.3mm
 Conductor: 28AWG
 Approvals: RoHS
 Connector: 50U" gold plated RJ45 connector

Physical Characteristics

- Cable Type – Cat6A U/FTP
- 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
- Insulation – HDPE
- Diameter – 0.80±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

Connector Type (Qty. 2)

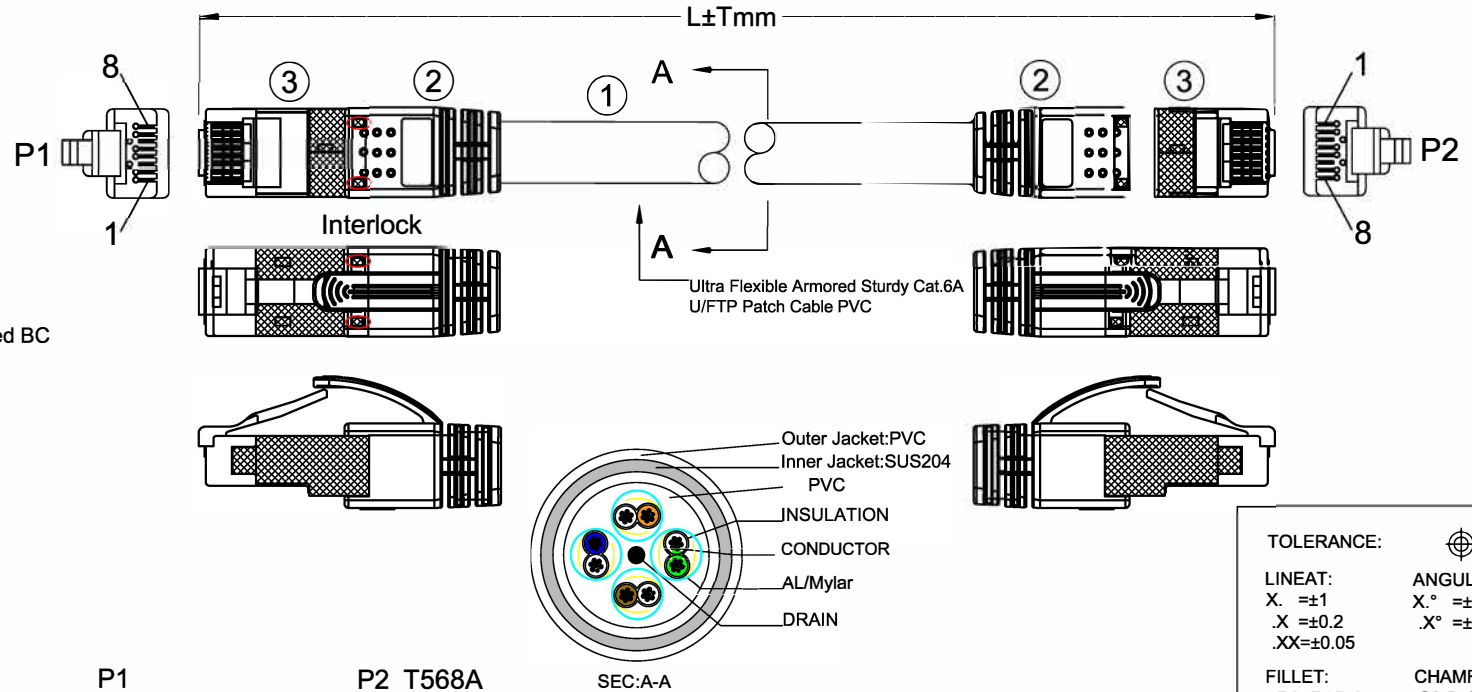
- Connector Type – SHIELDED 8P8C (RJ45)
- Gender – Male
- Connector Material – Transparent Black PC
- Contact Material – Copper Alloy, Gold Plating 50U"
- Full Shielded Plug With Riveting Technology
- Hood Material – Assemble Boot

Overall Cable

- Inner Jacket - SUS 204
- Outer Jacket: High Elasticity PVC
- Minimum Average Thickness – 0.70mm
- Outer Diameter – 7.3 ± 0.20mm

Electrical Characteristics

- Conductor DC Resistance – 28.4Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass Fluke DSX 8000 Channel Test



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:	
LINEAT: X. =±1 .X =±0.2 .XX=±0.05	ANGULAR: X.° =±1° .X° =±0°30'
FILLET: R2=RAD.2mm R5=RAD.5mm XR=MAX RAD.	CHAMFER: C0.5=CHAM0.5mm C1=CHAM1mm

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/FTP Patch Cable 28AWG		DRAWER DATE	LQ
COLOR			CHECKED DATE	ACE
CUSTOMER			APPROVED DATE	20230713
MATERIAL		SCALE		
REV.	A	UNIT	MM	

DRAWING NO:	6AUFK730712HB 139-30713160	CL404 SERIES
ACAD FILE		

NO.	SPECIFICATION	Q'TY
3	RJ45 PLUG: 8P8C 50U" GOLD PLATED THREE-PIECE TRANSPARENT BLACK PLUG,SHIELDED NICKEL PLATING.	
2	MOLDED: ASSEMBLE BOOT	
1	CABLE: CAT6A U/FTP [28AWG(7/0.12±0.008BC)+AL/Mylar]*4P+D(7/0.12±0.008TC) PVC JACKET+SUS204 JACKET+HIGH ELASTICITY PVC JACKET OD:7.3±0.2MM	
BOM LIST		