

Overview

Bandwidth: 500MHz
OD: 3.6mm
Conductor: 28AWG
Approvals: RoHS
Connector: 50U"gold plated RJ45 connector

Physical Characteristics

- Cable Type – CAT6A U/UTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- Temperature Rating
 - Installation: 0°C~50°C /Humidity 40~60%
 - Operation: -20°C~60°C /Humidity 40~60%
- Voltage Rating – 30V
- Maximum pulling force between Connector and jacket – 50N
- Minimum bending radius – 15mm

Conductor (Qty. 4 twisted pair)

- Conductor Type – 28AWG(7/0.12±0.008mm),Stranded BC
- Insulation – HDPE
- 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,50U"Gold Plating
- Hood Material – PVC MOLDED BOOT .

Overall Cable

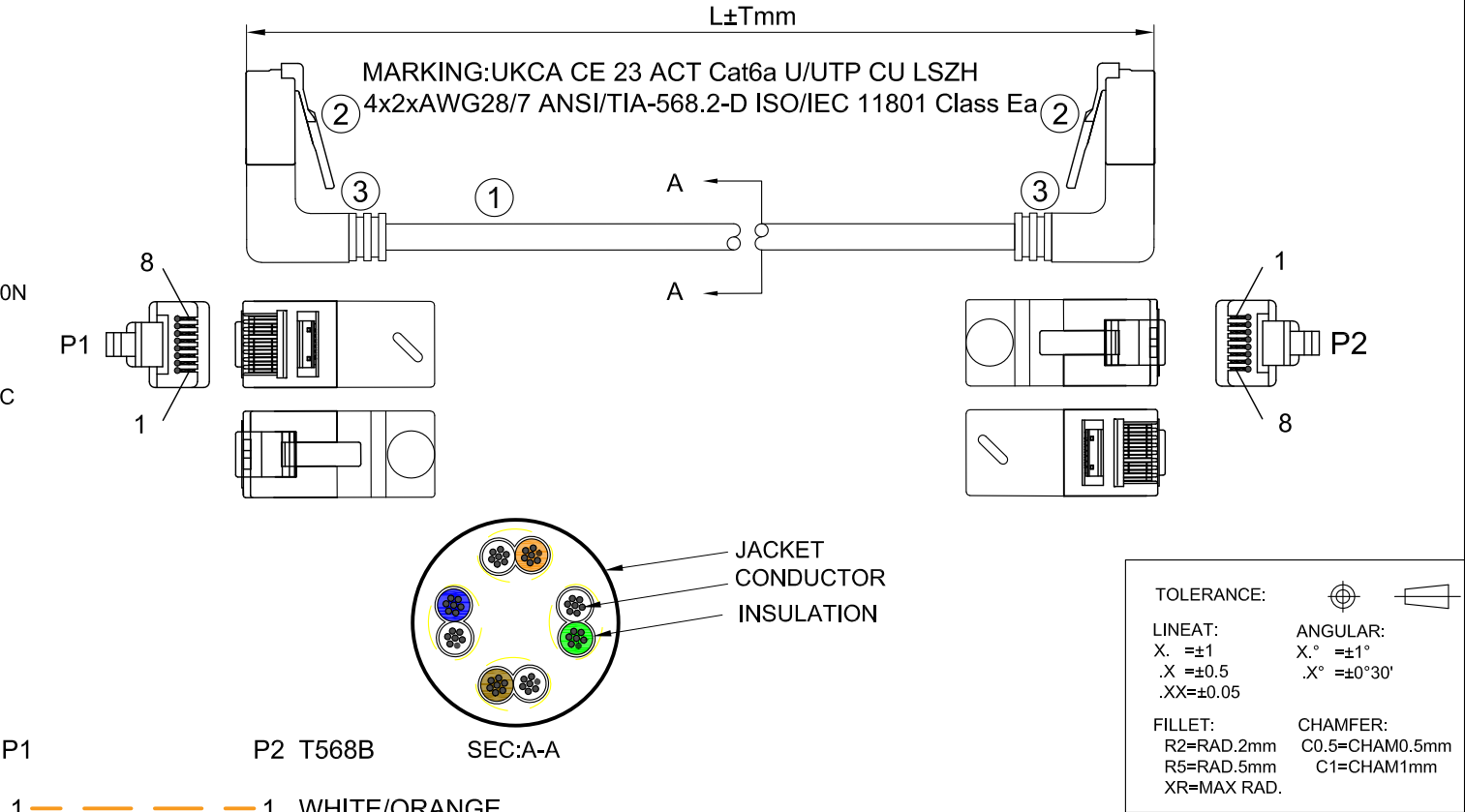
- Jacket – LSZH
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 3.6 ± 0.2mm

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 Fluke DSX 8000 Test

REVISION INFORMATION

Rec.	Rec. Date	Modified By	Brief Description



P1	P2	T568B	SEC:A-A
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

TOLERANCE GENERALES

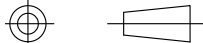


LENGTH(M)	0<L<1	1≤L<2	2≤L<5	5≤L<10	L≥10
TOLERANCE	+35/-15mm	+35/-20mm	+35/-30mm	±50mm	±80mm
ITEM NO:	CAT6A U/UTP SLIMLINE DOWN ANGLED TO DOWN ANGLED BLACK			DRAWER DATE	FW 20241015
TITLE				CHECKED DATE	ACE 20241015
CUSTOMER				APPROVED DATE	
MATERIAL		SCALE			
REV.	A	UNIT	MM		
DRAWING NO:	6AU0L360712HB 2492---410151153				
ACAD FILE	E:\				



3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO PIECE PLUG.
2	MOLDED: PVC MOLDED BOOT .
1	CABLE: CAT6A U/UTP [28AWG(7/0.12±0.008BC)]*4P OD=Ø3.6±0.20MM LSZH JACKET.
NO.	SPECIFICATION
	BOM LIST

REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description
1.	2023/11/15	FW	update PN

Length	Black	Tolerance
1M	DD5901	+35/-20mm
1.5M	DD5951	+35/-20mm
2M	DD5902	+35/-30mm
3M	DD5903	+35/-30mm
5M	DD5905	±50mm
0.5M	DD5900	+35/-15mm
0.15M	DD5930	+35/-15mm
0.25M	DD5952	+35/-15mm

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