

REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description

Overview

Bandwidth: 500MHz
OD: 3.6mm
Conductor: 28AWG
Approvals: RoHS
Connector: 3U" gold plated RJ45 connector

Physical Characteristics

- Cable Type – Cat6A UTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- 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 – 0.60±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

Connector Type (Qty. 2)

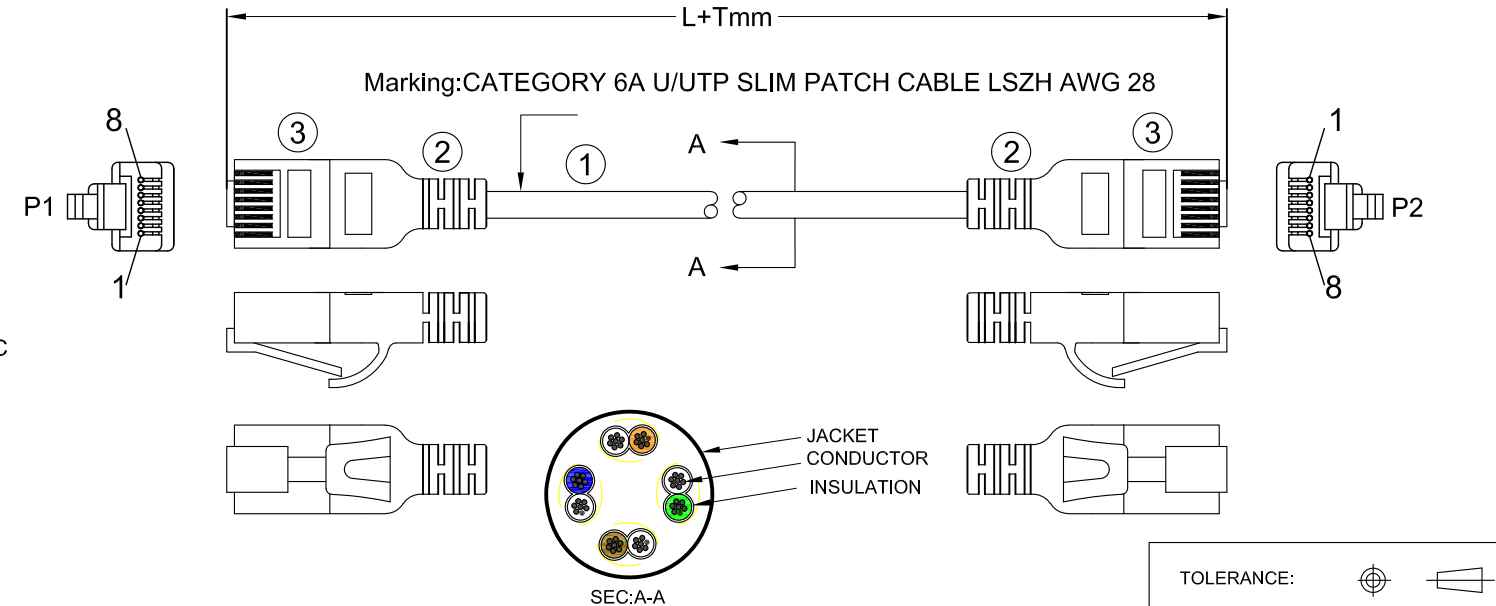
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, 3U" Gold Plating
- Hood Material – PVC MOLDED BOOT

Overall Cable

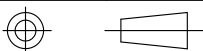
- Jacket – LSZH
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 3.6 ± 0.15mm

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 Channel Link Test



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

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:	Slim CAT.6A U/UTP Patch Cable			DRAWER DATE	FW 20230814
TITLE				CHECKED DATE	ACE 20230814
CUSTOMER				APPROVED DATE	
MATERIAL		SCALE			
REV.	A	UNIT	MM		
DRAWING NO:	6AU0L360712HB 2306—30814105				
ACAD FILE	E:\				

3	RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE PLUG.	
2	MOLDED: PVC MOLDED BOOT.	
1	CABLE: CAT6A UTP 4P/28AWG(7/0.12±0.008BC) OD=Ø3.6±0.15MM LSZH JACKET.	
NO.		Q'TY
BOM LIST		