

**Overview**

Bandwidth: 500MHz  
 OD: 6.0mm  
 Conductor: 24AWG  
 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 – 24AWG(7/0.20±0.008MM), Stranded BC
- Insulation – HDPE
- Diameter – 0.99±0.05mm
- Pair Identification:
  - Pair1=Orange, Orange-White
  - Pair2=Blue, Blue-White
  - Pair3=Green, Green-White
  - Pair4=Brown, Brown-White

**Connector Type (Qty. 2)**

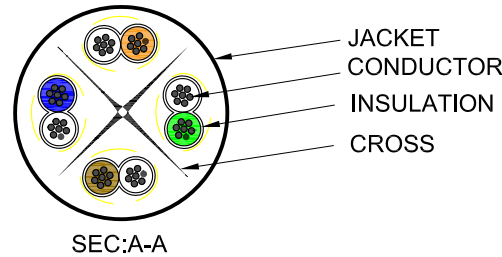
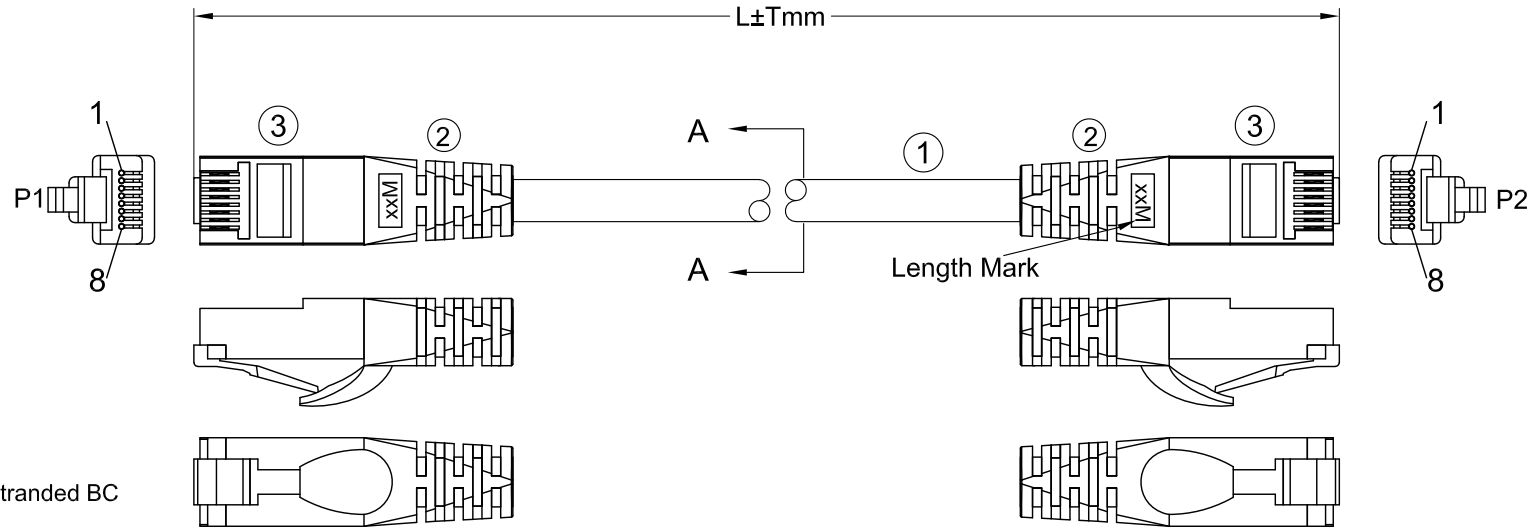
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, 3U" Gold Plating
- Hood Material – Molded PVC

**Overall Cable**

- Jacket – LSZH
- Minimum Average Thickness – 0.6mm
- Outer Diameter – 6.0±0.15mm

**Electrical Characteristics**

- Conductor DC Resistance – 11.25Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass DSX 8000 Fluke Channel 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					
<b>LENGTH(M)</b>	0<L<1	1≤L<2	2≤L<5	5≤L<10	L≥10
<b>TOLERANCE</b>	+20/-15mm	±20mm	±30mm	±50mm	±80mm

ITEM NO:	CAT.6A U/UTP 24AWG Patch Cable			DRAWER DATE	FW
TITLE				CHECKED DATE	ACE
CUSTOMER				APPROVED DATE	20230415
MATERIAL	SCALE				
REV.	A	UNIT	MM		

3	RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE PLUG.	
2	MOLDED: PVC MOLDED BOOT .	
1	CABLE: CAT6A UTP 4P/24AWG(7/0.20±0.008BC) OD=Ø6.0±0.15MM LSZH JACKET.	
NO.	SPECIFICATION	Q'TY
BOM LIST		

DRAWING NO:	6AU0P6007192HB 113-30415133	
ACAD FILE	E:\	