

RoHS COMPLIANT

REVISION INFORMATION

Rec.	Rec. Date	Modified By	Brief Description

Overview
 Bandwidth: 500MHz
 OD:6.0mm
 Conductor: 24AWG
 Approvals: RoHS
 Connector: 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(7/0.192±0.008MM), Stranded BC
- Insulation – HDPE
- Diameter – 0.97±0.05mm
- Pair Identification:
 - Pair1=Orange, White/Orange
 - Pair2=Blue, White/Blue
 - Pair3=Green, White/Green
 - Pair4=Brown, White/Brown

Connector Type (Qty. 2)

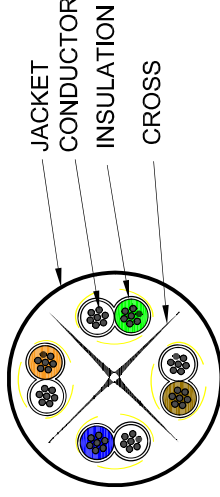
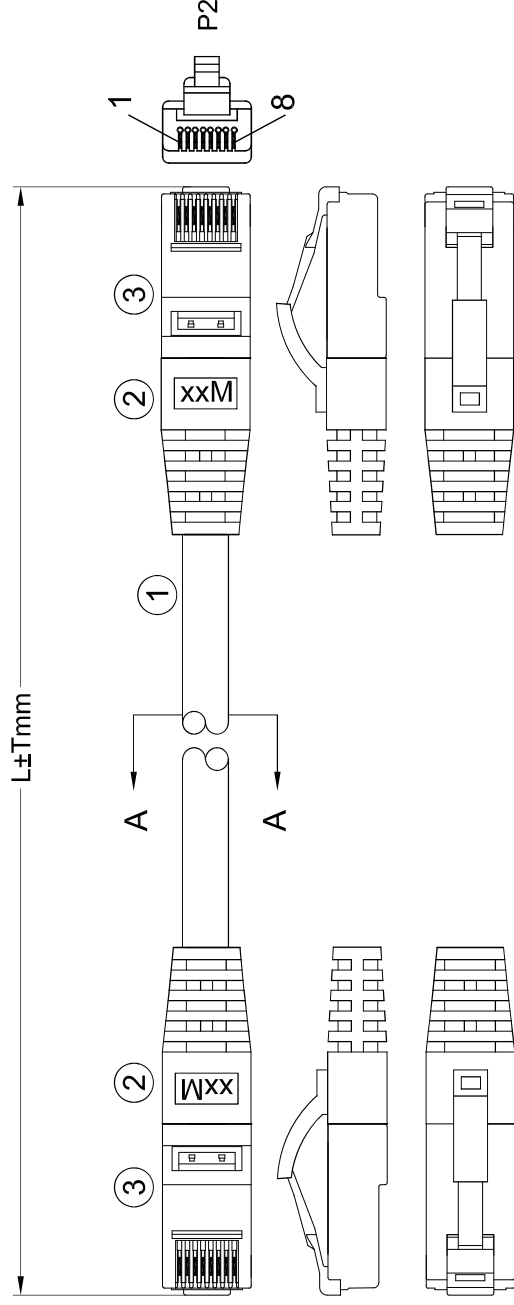
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating
- Hood Material – Molded PVC

Overall Cable

- Jacket – LSZH
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 6.0 ± 0.20mm

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 Fluke DSX 8000 Channel link Test



TOLERANCE:
 LINEAT: X. ° =±1°
 .X ° =±0.5°
 .XX=±0.05
 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
TOLERANCE	+35/-15mm	+35/-20mm	+35/-30mm	±50mm	±80mm
ITEM NO:	CAT.6A U/UTP 24AWG Patch Cable		DRAWER	DATE	FW
					20240507

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

3	RJ45 PLUG: 8P8C GOLD PLATED TWO-PIECE PLUG.
2	MOLDED: PVC MOLDED BOOT .
1	CABLE: CAT6A UTP 4P/24AWG(7*0.192±0.008BC) OD=Ø6.0±0.20MM LSZH JACKET.
NO.	SPECIFICATION
	BOM LIST

