

REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description

Overview

Bandwidth: 500MHz
 OD: 6.0mm
 Conductor: 23AWG
 Approvals: RoHS
 Connector: 50U" 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 – 23AWG(1/0.57±0.008MM), Solid BC
- Insulation – HDPE
- Diameter – 1.02±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

Connector Type (Qty. 2)

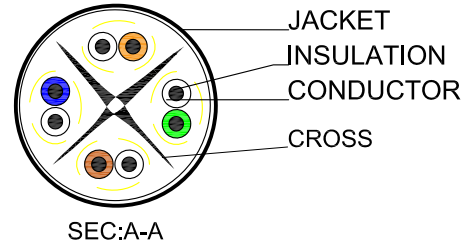
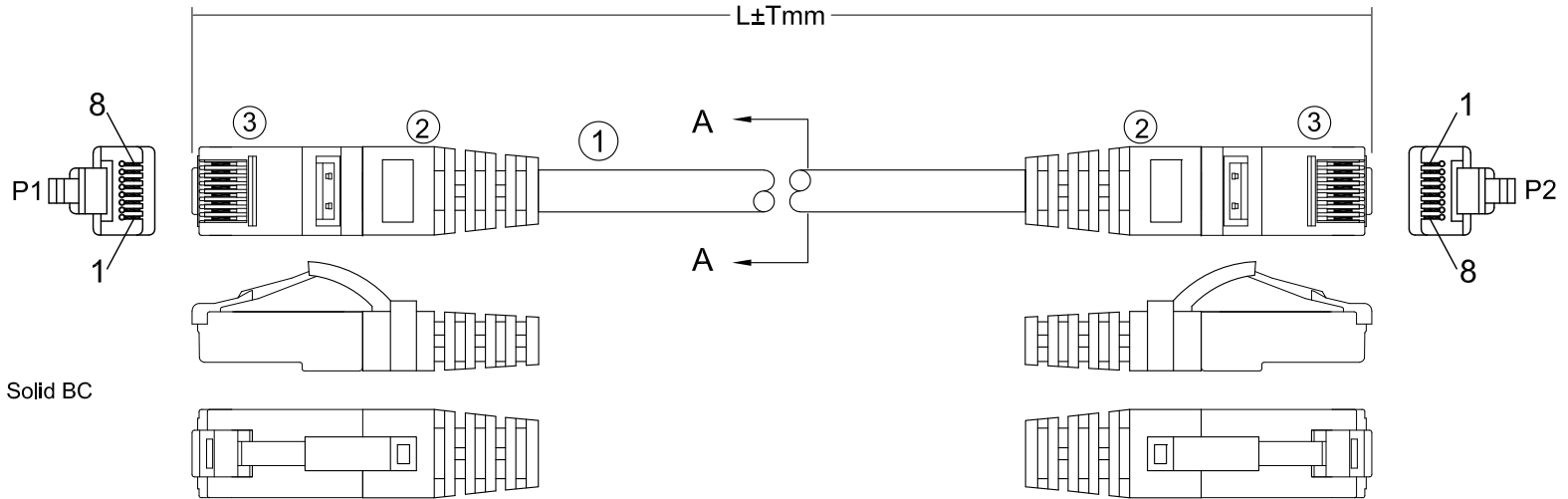
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Phosphor copper, 50U" Gold Plating
- Hood Material – Molded PVC

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 Channel Test.
- Support 100W PoE++



TOLERANCE:	
LINEAT: X. =±1 .X =±0.5 .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

P1	P2 T568B
1 — WHITE/ORANGE	1 — WHITE/ORANGE
2 — ORANGE	2 — ORANGE
3 — WHITE/GREEN	3 — WHITE/GREEN
4 — BLUE	4 — BLUE
5 — WHITE/BLUE	5 — WHITE/BLUE
6 — GREEN	6 — GREEN
7 — WHITE/BROWN	7 — WHITE/BROWN
8 — BROWN	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:	100W PoELAN CAT.6A U/UTP 23AWG Ethernet Cable			DRAWER DATE	FW 20240226

3	RJ45 PLUG: 8P8C 50U"GOLD PLATED TWO-PIECE PLUG.
2	MOLDED: PVC MOLDED BOOT .
1	CABLE: CAT6A UTP 4P/23AWG(1/0.57±0.008BC)+CROSS OD=Ø6.0±0.15MM LSZH JACKET.
NO.	SPECIFICATION
	BOM LIST

