

ROHS COMPLIANT

REVISION INFORMATION

Rec.	Rec. Date	Modified By	Brief Description

Overview
 Bandwidth: 250MHz
 OD: 1.6*6.5mm
 Conductor: 36AWG
 Approvals: RoHS
 Connector: 3U" Gold Plated RJ45 Connector

Physical Characteristics

- Cable Type – CAT6 STP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- Temperature Rating
- Installation: 0°C~50°C
- Operation: -20°C~60°C
- Voltage Rating – 30V

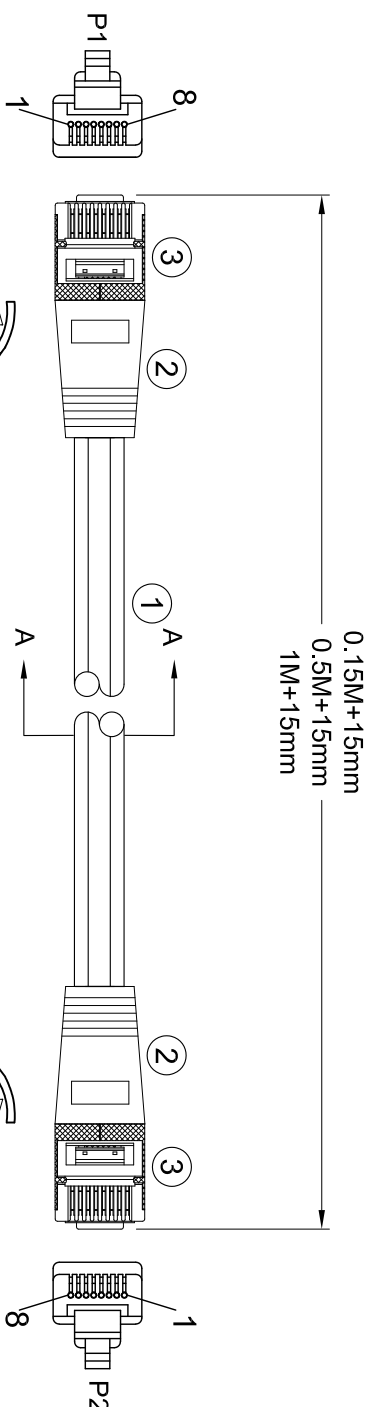
- Conductor (Qty. 4 twisted pair)
- Conductor Type – 36AWG(7/0.06±0.008), Stranded BC
- Insulation – HDPE
- Diameter – 0.51±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

- Connector Type (Qty. 2)
- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating – 3µm
- Hood Material – PVC MOLDED BOOT

- Overall Cable
- Jacket – PVC
- Minimum Average Thickness – 0.30mm
- Outer Diameter – 1.6±0.15*6.0±0.2mm

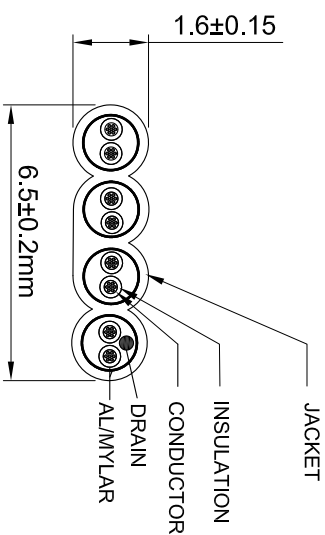
Electrical Characteristics

- Conductor DC Resistance – 95.6Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pF/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass FLUKE DSX 8000 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 |
| S | — | S | SHIELDED |



TOLERANCE: **ANGULAR:**

LINEAT: X. =±1° X° =±1°
 .X =±0.5 X° =±0.3°
 .XX=±0.05

FILET: R2=RAD 2mm C0.5=CHAM0.5mm
 R5=RAD 5mm C1=CHAM1mm
 XR=MAX RAD.

ITEM NO:	CAT6 STP FLAT PATCH	DRAWER	FW
TITLE	CORD	DATE	20240410
CUSTOMER		CHECKED	ACE
		DATE	20240410
MATERIAL		APPROVED	
REV.	A	DATE	
SCALE			

DRAWING NO:	60S0P16650705HB
ACAD FILE	E:\

NO.	DESCRIPTION	QTY	UNIT
1	CABLE: CAT6 STP [36AWG(7/0.06±0.008BC)+AL/MYLA]*3+36AWG(7/0.06±0.008BC)+AL/MYLA)+DRAIN(7/0.10TC)] OD=1.6±0.15*6.5±0.2mm PVC JACKET.		
SPECIFICATION			
BOM LIST			

