

RoHS COMPLIANT

REVISION INFORMATION

Rec.	Rec. Date	Modified By	Brief Description

Overview
 Bandwidth: 500MHz
 OD: 6.2mm
 Conductor: 26AWG
 Approvals: RoHS
 Connector: 50U" Gold plated RJ45 connector

Physical Characteristics

- Cable Type – Cat6A S/FTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- Temperature Rating
- Installation: 0°C-50°C
- Operation: -40°C-80°C
- Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)

- Conductor Type – 26AWG(7/0.16±0.008mm), Stranded BC
- Insulation – FMPE
- Diameter – 1.04±0.05mm
- Pair Identification:
 - Pair1=Orange, White
 - Pair2=Blue, White
 - Pair3=Green, White
 - Pair4=Brown, White

Connector Type (Qty. 2)

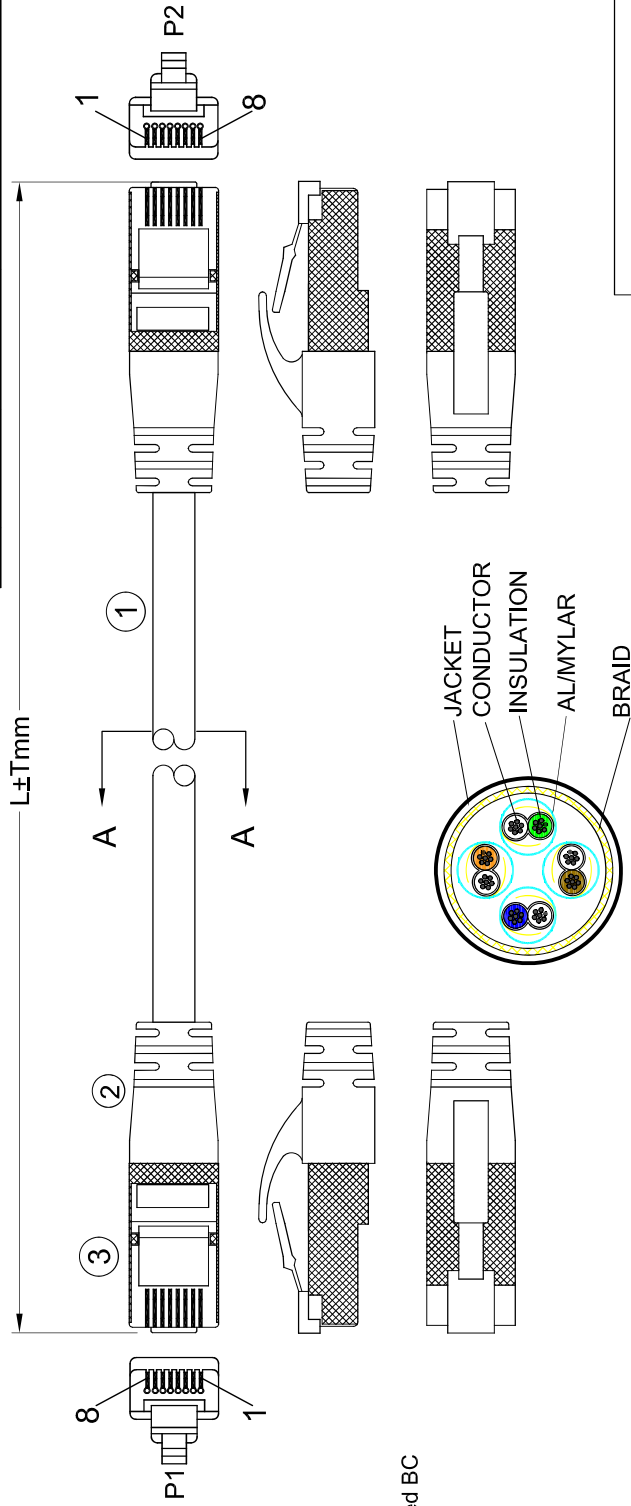
- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – BLACK PC
- Contact Material – Copper Alloy.50U" Gold Plating
- Hood Material – Molded TPE

Overall Cable

- Jacket – TPE
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 6.2 ± 0.20mm

Electrical Characteristics

- Conductor DC Resistance – 17.89Ω/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:

LINEAR:
 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

SEC:A-A

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 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:	Flexible TPE Industrial Outdoor	DRAWER	DATE	FW	20231204



3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE BLACK PLUG SHIELDED NICKEL PLATING.
2	MOLDED: TPE MOLDED BOOT.
1	CABLE: CAT6A S/FTP[26AWG(7/0.16BC±0.008)+AL/MYLAR]*4+BRAID(80/0.12AL-MG) OD:Ø6.2±0.2MM TPE JACKET.
NO.	SPECIFICATION
	BOM LIST