

Overview
 Bandwidth: 500MHz
 OD: 6.0mm
 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)

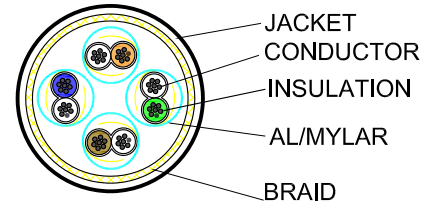
- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, 50U" Gold Plating
- Hood Material – Molded PVC

Overall Cable

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

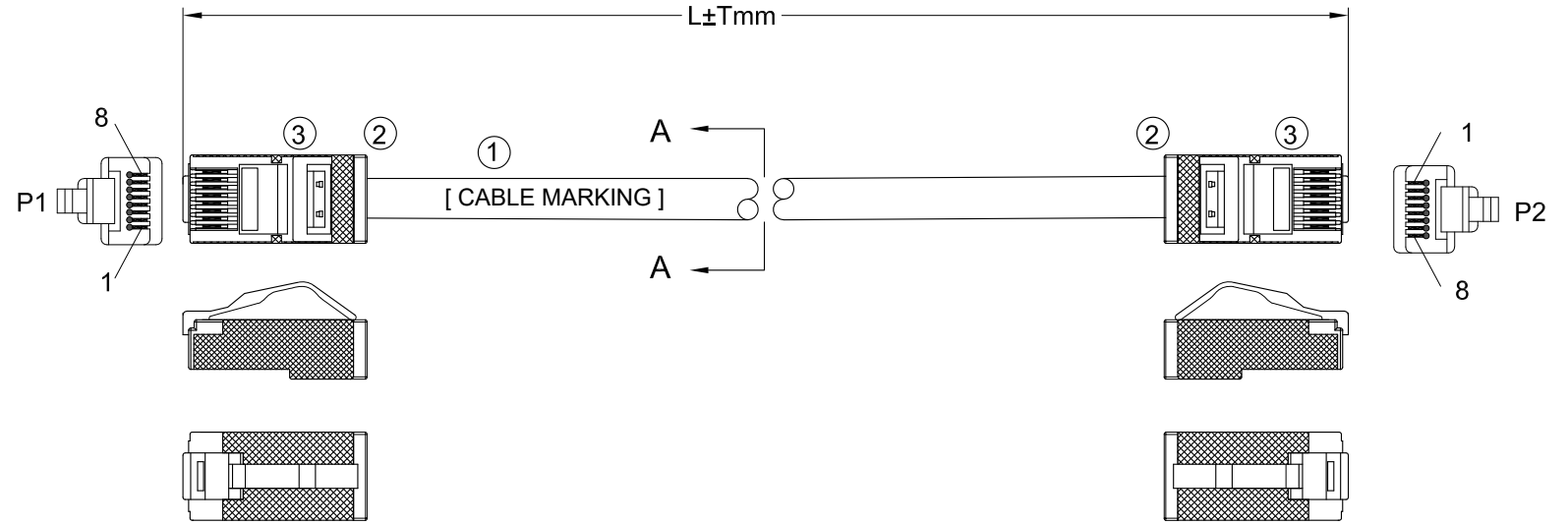
Electrical Characteristics

- 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
- IEEE 802.3af, 802.3at, 802.3bt Type4



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



CABLE MARKING: WIREWIN® CAT6A S/FTP Patchcable - PUR - 10 Gigabit Ethernet and PoE ready - CE, RoHS - [TTORDERNR]

[TTORDERNR]: Corresponding ordernumber of Triotronik

Cable lengths [m] x.x	Cable colour
1.0	Black BK
2.0	
3.0	
5.0	
8.0	
12.0	
15.0	
30.0	
50.0	

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

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

3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE TANGLE-FREE LATCH PLUG; SHIELDED NICKEL PLATING.
2	MOLDED: PVC MOLDED BOOT .
1	CABLE: CAT6A S/FTP[26AWG(7/0.16BC±0.008)+AL/MYLAR]*4+BRAID(16*5/0.10TC) OD:Ø6.0±0.2MM PUR JACKET.
NO.	

Oberfläche / Surface: n.a.	Allgemeintoleranz / General tolerance: n.a.	Werkstoff / Material: n.a.
Hersteller / Manufacturer: TRIOTRONIK Energierstrasse 10 A-8160 Weiz office@triotronik.com www.triotronik.com	Erstellt von / Drawn by: Strobl S., 11.08.2025	Geprüft von / Checked by: Tobisch S., 12.08.2025
Titel / Title: KAT6A S/FTP PUR Industrial Outdoor Cable PKW-OUT-SU-K6A xx.xx yy		Zeichnungsnummer / Drawing number: PKW-OUT-SF-K6Av01
Maßstab / Scale: n.a.		Datum / Date: 11.08.2025
		Blatt / Sheet: 1 / 1