

RoHS COMPLIANT

Overview

Bandwidth: 500MHz
OD: 3.6mm
Conductor: 28AWG
Approvals: RoHS
Connector: 3U" Gold plated RJ45 connector

Physical Characteristics

- Cable Type – Cat6A UTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- Temperature Rating
 - Installation: -20°C~60°C
 - Operation: -20°C~75°C
- Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)

- Conductor Type – 28AWG(7/0.12±0.008MM), Stranded BC
- Insulation – HDPE
- Diameter – 0.60±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange/White
 - Pair2=Blue, Blue/White
 - Pair3=Green, Green/White
 - Pair4=Brown, Brown/White

Connector Type (Qty. 2)

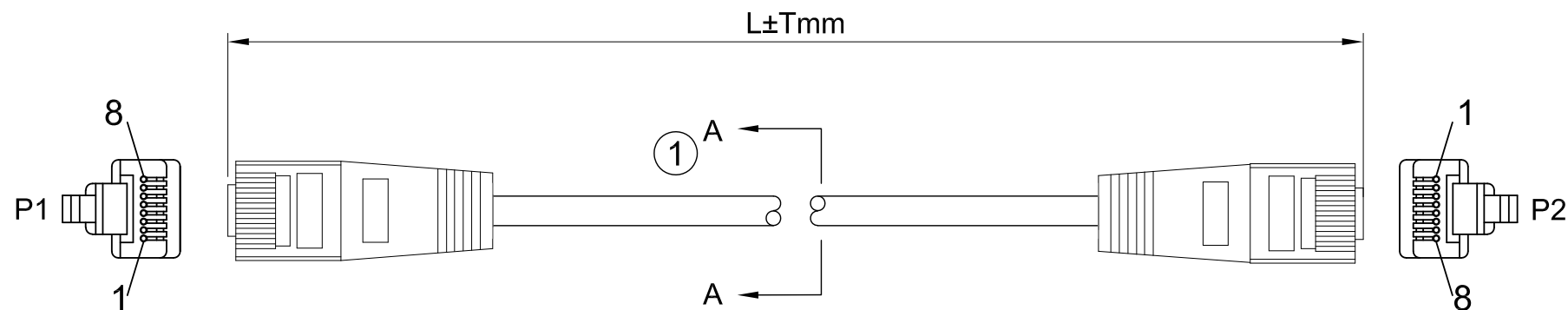
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – Nylon
- Contact Material – Copper Alloy, 3U" Gold Plating
- Hood Material – TRANSPARENT TPE MOLDED BOOT

Overall Cable

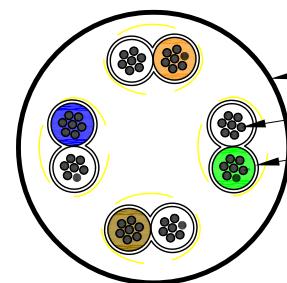
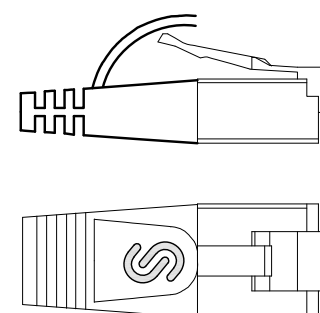
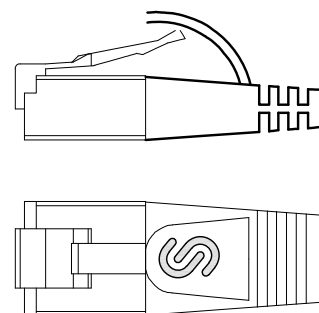
- Jacket – LSZH
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 3.6 ± 0.15mm

Electrical Characteristics

- Conductor DC Resistance – 28.45Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- PASS DSX 8000 Fluke Channle link Test
- Compliant with PoE; PoE+; PoE++



Cable marking: SLIM® CAT6A U/ UTP LIGHT Patchcable - LSZH HALOGEN FREE - 10 Gigabit Ethernet and PoE ready - RoHS - [TTORDERNR]



JACKET
CONDUCTOR
INSULATION

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

Cable lenghts [m] x.x	Cable colour yy
0.1	White WT
0.15	
0.20	
0.25	
0.5	
1.0	
1.5	
2.0	
3.0	
5.0	
7.5	

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 3U" GOLD PLATED TWO-PIECE NYLON PLUG.
2	MOLDED: TRANSPARENT TPE MOLDED BOOT.
1	CABLE: CAT6A UTP 4P*28AWG(7/0.12±0.008BC) OD=Ø3.6±0.15MM LSZH JACKET.
NO.	SPECIFICATION
	BOM LIST

Oberfläche / Surface: n.a.		Allgemeintoleranz / General tolerance: n.a.		Werkstoff / Material: n.a.	
Hersteller / Manufacturer: TRIO TRONIK Energiesstrasse 10 A-8160 Weiz office@triotronik.com www.triotronik.com		Erstellt von / Drawn by: Simon G., 30.10.25		Geprüft von / Checked by: Strobl S., 30.10.2025	
		Sonstiges / Miscellaneous: - Revision 1			
		Titel / Title: SLIM-L-UU-K6A-TL		Zeichnungsnummer / Drawing number: CST_8895	
		Maßstab / Scale: n.a.		Datum / Date: 19.09.2025	
				Blatt / Sheet: 1 / 1	