

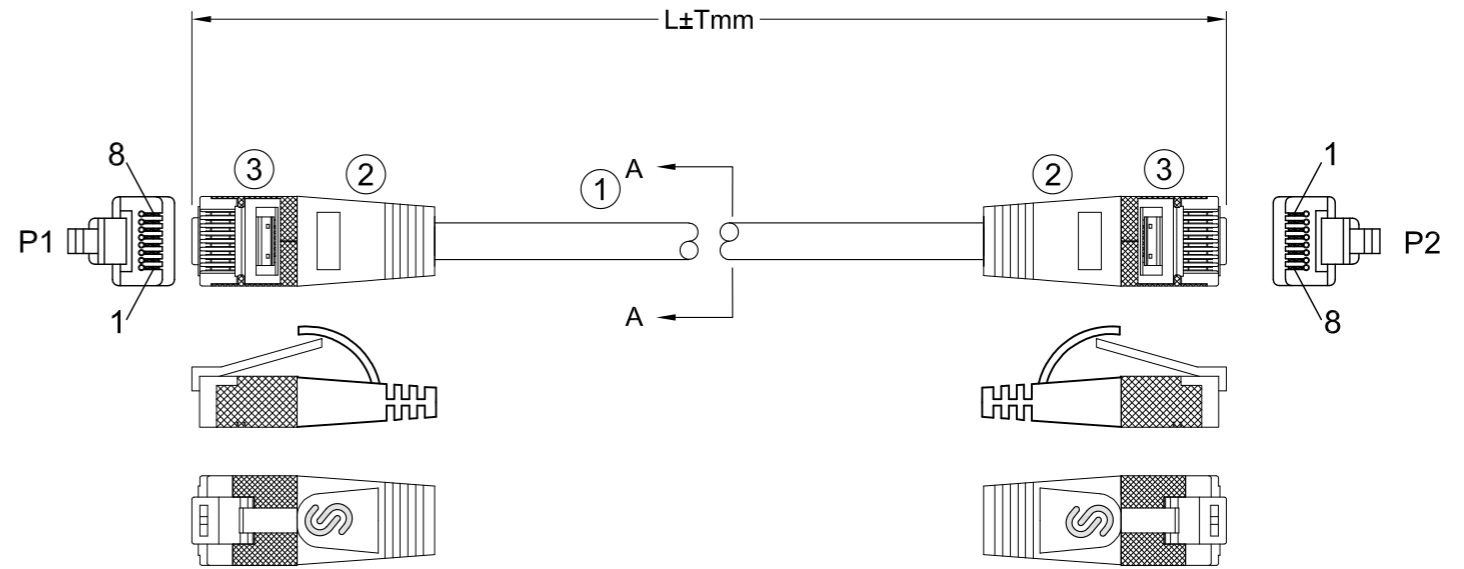
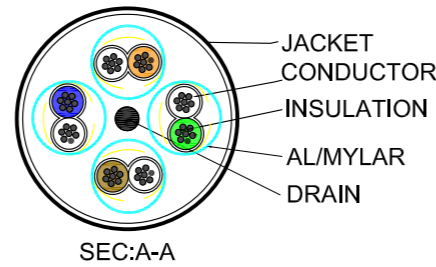
**Overview**  
 Bandwidth: 500MHz  
 OD: 4.8mm  
 Conductor: 28AWG  
 Approvals: RoHS  
 Connector: 3U" Gold plated RJ45 connector

**Physical Characteristics**  
 •Cable Type – CAT6A U/FTP  
 •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 – FMPE  
 • Diameter – 0.80±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 – 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 – 4.8 ± 0.20mm



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

**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++

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 lengths [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:

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

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-PIEEC NYLON PLUG; SHIELDED NICKEL PLATING.
2	MOLDED:TRANSPARENT TPE MOLDED BOOT.
1	CABLE: CAT6A U/FTP 4P* [28AWG(7/0.12±0.008BC)+AL/MYLAY]+DRAIN OD=Ø4.8±0.20MM LSZH JACKET.
NO.	

Oberfläche / Surface:		Allgemeintoleranz / General tolerance:		Werkstoff / Material: n.a.	
Hersteller / Manufacturer: <b>TRIOTRONIK</b> Energiestrasse 10 A-8160 Weiz office@triotronik.com www.triotronik.com		Erstellt von / Drawn by: Simon G., 30.10.2025	Geprüft von / Checked by: Stefan S., 30.10.2025	Sonstiges / Miscellaneous: - Revison 1	
Titel / Title: <b>SLIM-L-UF-K6A-TL x.x yy</b>			Zeichnungsnummer / Drawing number:		
Maßstab / Scale: n.a.		Datum / Date: 08.07.2025	Blatt / Sheet: 1 / 1		