

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

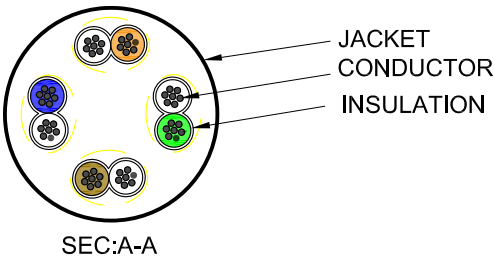
Physical Characteristics
•Cable Type – Cat6A UTP
•Connector Type(s) – RJ45
•Wiring Scheme – T568B
•Temperature Rating
• Installation: 0°C~50°C
• Operation: -20°C~60°C
•Voltage Rating – 30V

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, White/Orange
• Pair2=Blue, White/Blue
• Pair3=Green, White/Green
• Pair4=Brown, White/Brown

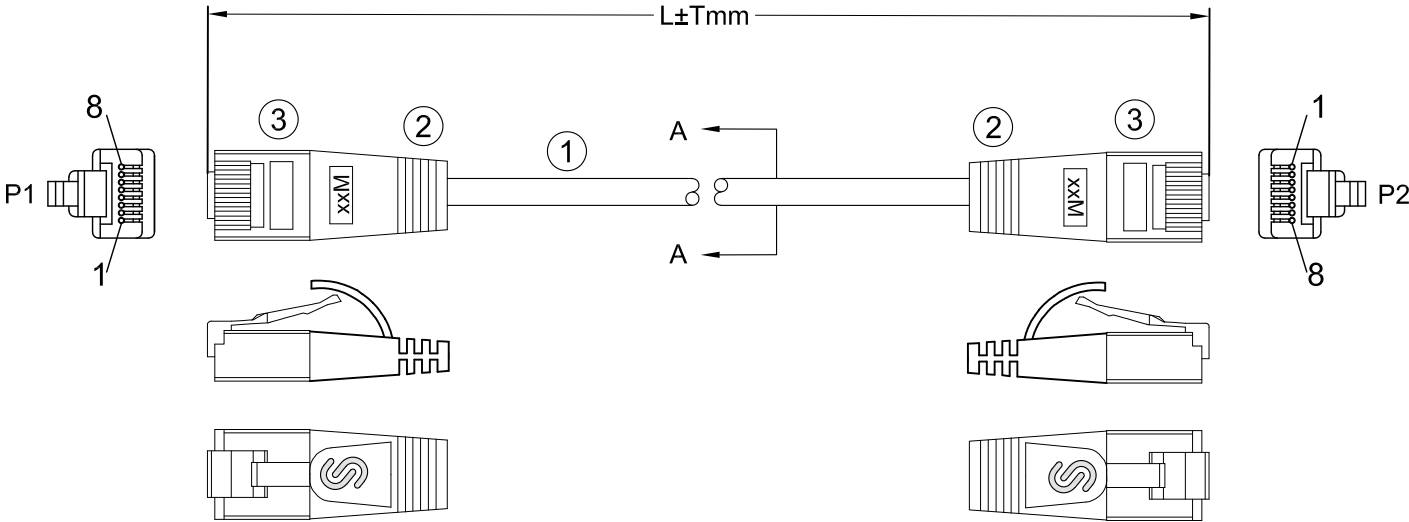
Connector Type (Qty. 2)
• Connector Type – 8P8C (RJ45)
• Gender – Male
• Connector Material – Nylon
• Contact Material – Copper Alloy, 3U" Gold Plating
• Hood Material – PVC MOLDED BOOT

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



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

Cable lenghts [m] x.x	Cable colour yy
0.1	Grey
0.15	Blue BL
0.25	Yellow YE
0.5	Green GN
1.0	Orange OR
2.0	Red RD
3.0	Black BK
5.0	Violett VT
8.0	White WT
10.0	
12.0	

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

Oberfläche / Surface:		Allgemeintoleranz / General tolerance:		Werkstoff / Material: n.a.		
Hersteller / Manufacturer: TRIOTRONIK  Energiestrasse 10 A-8160 Weiz office@triotronik.com www.triotronik.com		Erstellt von / Drawn by: Simon G., 07.08.2025	Geprüft von / Checked by: Stefan S., 07.08.2025	Sonstiges / Miscellaneous: -		
		Titel / Title: SLIM-L-UU-K6A x.x yy		Zeichnungsnummer / Drawing number:		
				Maßstab / Scale: n.a.	Datum / Date: 08.07.2025	Blatt / Sheet: 1 / 1

3	RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE NYLON PLUG.
2	MOLDED: PVC MOLDED BOOT.
1	CABLE: CAT6A UTP 4P/28AWG(7/0.12±0.008BC) OD=Ø3.6±0.15MM LSZH JACKET.
NO.	