

Overview

Bandwidth:500MHz
OD: 3.8mm
Conductor: 32AWG
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: 0°C~50°C
 - Operation: -20°C~60°C
- Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)

- Conductor Type – 32AWG(7/0.08mm), Stranded BC
- Insulation – HDPE
- Diameter – 0.52±0.05mm
- Pair Identification:
 - Pair1=Orange, White/Orange
 - Pair2=Blue, White/Blue
 - Pair3=Green, White/Green
 - Pair4=Brown, White/Brown

Connector Type (Qty. 2)

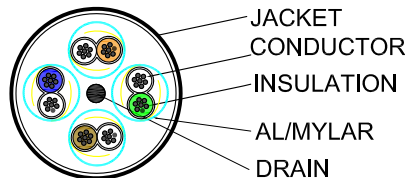
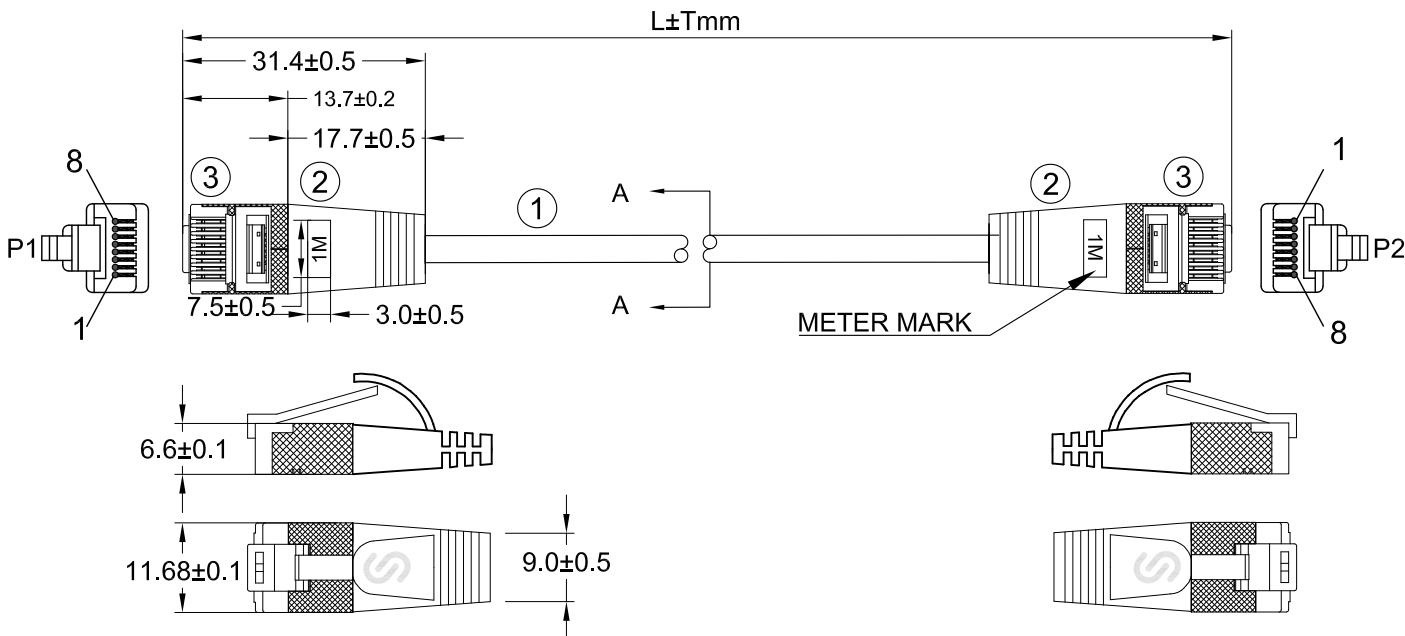
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – NYLON
- Contact Material – Copper Alloy, 3U" Gold Plating
- Hood Material – Translucent TPE molded boot

Overall Cable

- Jacket – TPE-LSZH
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 3.8 ± 0.15mm

Electrical Characteristics

- Conductor DC Resistance – 60.1Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Test Standard: DSX-5000 Fluke Channel link test: 50m solid cable as testing cable; the other side of patch cable: 0.5m standard patch cable



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:

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

Oberfläche / Surface:

n.a.

Allgemeintoleranz / General tolerance:

n.a.

Werkstoff / Material:

n.a.

Hersteller / Manufacturer:

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Erstellt von / Drawn by:

Strobl S., 07.07.2026

Geprüft von / Checked by:

Simon G., 07.07.2026

Sonstiges / Miscellaneous:

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Titel / Title:

SLIM-L-UF-K6A-TLT xx.x yy

Zeichnungsnummer / Drawing number:

SLIM-L-UF-K6A-TLT v01

Maßstab / Scale:

n.a.

Datum / Date:

07.07.2026

Blatt / Sheet:

1 / 1

3 RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE TOUGH NYLON PLUG;
NICKEL-PLATED SHELL.

2 MOLDED: Translucent TPE molded boot.

1 CABLE: CAT6A U/FTP 4*[1P*32AWG(7/0.08±0.008BC)+AL/MYLAY]+DRALN(7*0.12TC)
OD=Ø3.8±0.15MM TPE-LSZH JACKET.

SPECIFICATION

BOM LIST