

RoHS COMPLIANT

Overview

Bandwidth: 250MHz
 OD: 1.0±0.15*4.0±0.2mm
 Conductor: 34AWG
 Approvals: RoHS
 Connector: 3U' gold plated RJ45 connector

Physical Characteristics

- Cable Type – Cat6 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 – 34AWG(7/0.06mm), Stranded BC
- Insulation – HDPE
- Diameter – 0.35±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

Connector Type (Qty. 2)

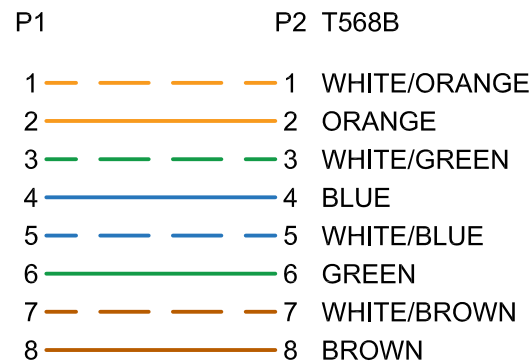
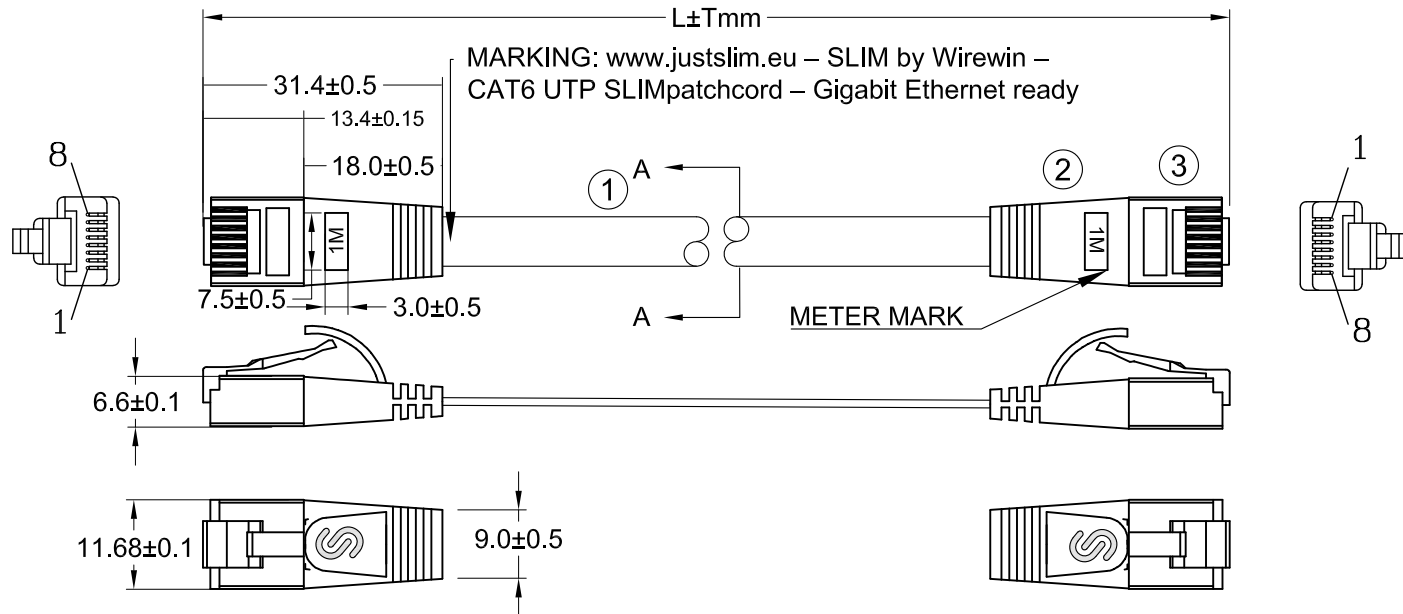
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, 3U' Gold Plating
- Hood Material – Molded PVC

Overall Cable

- Jacket –PVC
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 1.0±0.15*4.0±0.2mm

Electrical Characteristics

- Conductor DC Resistance – 85.0Ω/100m (maximum)
- Impedance – 100±15%
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass TIA Fluke Cat.6 Channel Test (L≤5m);
 7.5-15m Channel Test; 20-30m Open Short Test.



| CUSTOMER P/N | LENGTH(mm) | TOLERANCE | METER MARK |
|--------------------|------------|-----------|------------|
| PKW-SLIM-KAT6 0.1 | 100 | -0/+20mm | 0.1M |
| PKW-SLIM-KAT6 0.15 | 150 | -0/+20mm | 0.15M |
| PKW-SLIM-KAT6 0.25 | 250 | -0/+20mm | 0.25M |
| PKW-SLIM-KAT6 0.5 | 500 | -0/+20mm | 0.5M |
| PKW-SLIM-KAT6 0.75 | 750 | -0/+20mm | 0.75M |
| PKW-SLIM-KAT6 1.0 | 1000 | -0/+20mm | 1M |
| PKW-SLIM-KAT6 1.5 | 1500 | -5/+20mm | 1.5M |
| PKW-SLIM-KAT6 2.0 | 2000 | -10/+30mm | 2M |
| PKW-SLIM-KAT6 3.0 | 3000 | -20/+30mm | 3M |
| PKW-SLIM-KAT6 5.0 | 5000 | -20/+30mm | 5M |
| PKW-SLIM-KAT6 7.5 | 7500 | -20/+30mm | 7.5M |
| PKW-SLIM-KAT6 10.0 | 10000 | -50/+50mm | 10M |
| PKW-SLIM-KAT6 15.0 | 15000 | -50/+50mm | 15M |
| PKW-SLIM-KAT6 20.0 | 20000 | -50/+50mm | 20M |
| PKW-SLIM-KAT6 25.0 | 25000 | -50/+50mm | 25M |

| | | | |
|-------------|---------------------------------|---------------|--------------|
| ITEM NO: | PKW-SLIM-KAT6 XX | DRAWER DATE | FW 20230425 |
| TITLE | | CHECKED DATE | ACE 20230425 |
| CUSTOMER | BCUS003L | APPROVED DATE | |
| MATERIAL | SCALE | | |
| REV. | A | UNIT | MM |
| DRAWING NO: | 60U0P140706HB 2307--10222087 | | |
| ACAD FILE | E:\ | | |

| | | |
|----------|---|------|
| 3 | RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE SHORT BODY LONG LATCH PLUG. | |
| 2 | MOLDED:PVC MOLDED BOOT . | |
| 1 | CABLE: CAT6 UTP 4P/34AWG(7/0.06±0.008BC) OD=Ø1.0±0.15*4.0±0.2mm PVC JACKET. | |
| NO. | SPECIFICATION | Q'TY |
| BOM LIST | | |