

RoHS COMPLIANT

Overview

Bandwidth: 250MHz
 OD: 2.8mm
 Conductor: 32AWG
 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 – 32AWG(7/0.08), Stranded Bare Copper
- Insulation – HDPE
- Diameter – 0.45±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

Connector Type (Qty. 2)

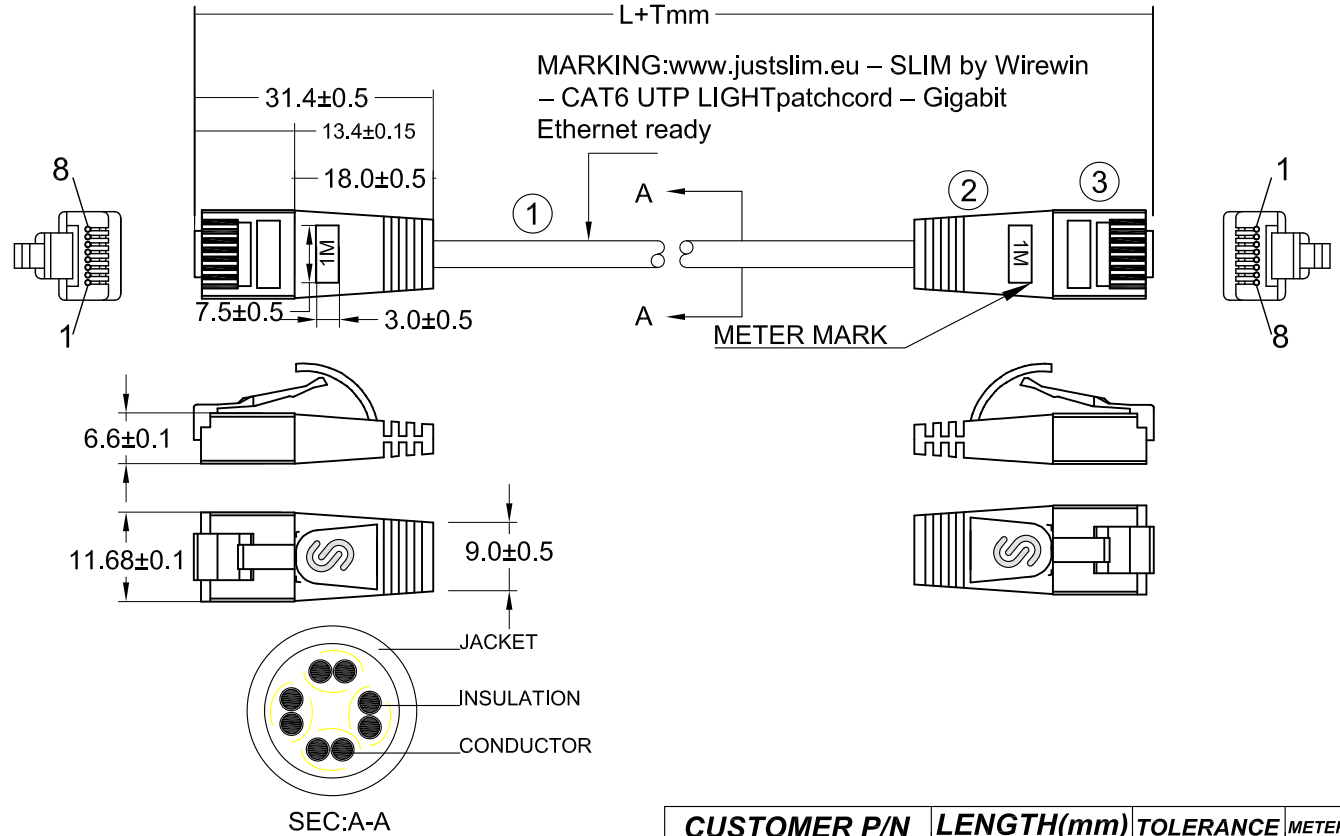
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, 3U" Gold Plating
- Hood Material – Molded PVC

Overall Cable

- Jacket – PVC
- Minimum Average Thickness – 0.45mm
- Outer Diameter – 2.8 ± 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)
- Pass TIA Fluke Cat.6 Channel Test (L≤5m); 7.5-15m Channel Test; 20-30m Open Short 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

CUSTOMER P/N	LENGTH(mm)	TOLERANCE	METER MARK
PKW-LIGHT-K6 0.15	150	-0/+20mm	0.15M
PKW-LIGHT-K6 0.5	500	-0/+20mm	0.5M
PKW-LIGHT-K6 1.0	1000	-0/+20mm	1M
PKW-LIGHT-K6 1.5	1500	-5/+20mm	1.5M
PKW-LIGHT-K6 2.0	2000	-10/+30mm	2M
PKW-LIGHT-K6 3.0	3000	-20/+30mm	3M
PKW-LIGHT-K6 5.0	5000	-20/+30mm	5M
PKW-LIGHT-K6 7.5	7500	-20/+30mm	7.5M
PKW-LIGHT-K6 10.0	10000	-50/+50mm	10M

ITEM NO:	PKW-LIGHT-K6 XX		DRAWER DATE	FW 20230425
TITLE			CHECKED DATE	ACE 20230425
CUSTOMER			APPROVED DATE	
MATERIAL	SCALE			
REV.	A	UNIT	MM	
DRAWING NO:	60U0P280708HB 2307--10222085			
ACAD FILE	E:\			

NO.	SPECIFICATION	Q'TY
3	RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE SHORT BODY LONG LATCH PLUG	
2	MOLDED: PVC MOLDED BOOT.	
1	CABLE: CAT6 UTP 4P/32AWG(7/0.08) OD=Ø2.8±0.15MM PVC JACKET.	
BOM LIST		

