

RoHS COMPLIANT

Overview

Bandwidth: 500MHz
 OD: 3.8mm
 Conductor: 32AWG
 Approvals: RoHS
 Connector: 3U" gold plated RJ45 connector

Physical Characteristics

- Cable Type – Cat6A STP Round
- 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 Bare Copper
- Insulation – HDPE
- Diameter – 0.60±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

Connector Type (Qty. 2)

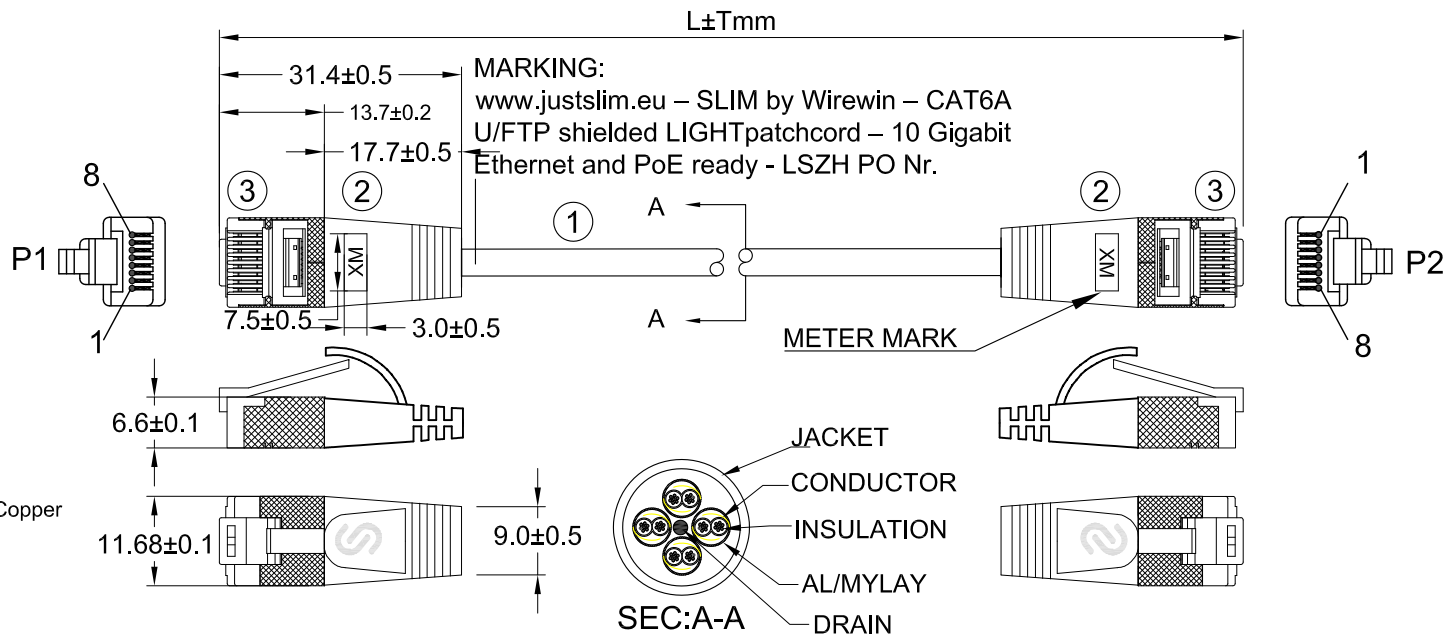
- Connector Type – 8P8C (RJ45) Long Latch
- Gender – Male
- Connector Material – NYLON (TOUGH PLUG)
- Contact Material – Copper Alloy, 3U" Gold Plating
- Hood Material – Molded PVC

Overall Cable

- Jacket – LSZH
- Minimum Average Thickness – 0.45mm
- Outer Diameter – 3.8 ± 0.15mm

Electrical Characteristics

- Conductor DC Resistance – 24.2Ω/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



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

CUSTOMER P/N	LENGTH(mm)	TOLERANCE	METER MARK
PKW-LIGHT-STP-K6A 0.1	100	-0/+20mm	0.1M
PKW-LIGHT-STP-K6A 0.15	150	-0/+20mm	0.15M
PKW-LIGHT-STP-K6A 0.25	250	-0/+20mm	0.25M
PKW-LIGHT-STP-K6A 0.5	500	-0/+20mm	0.5M
PKW-LIGHT-STP-K6A 0.75	750	-0/+20mm	0.75M
PKW-LIGHT-STP-K6A 1.0	1000	-0/+20mm	1M
PKW-LIGHT-STP-K6A 1.5	1500	-5/+20mm	1.5M
PKW-LIGHT-STP-K6A 2.0	2000	-10/+30mm	2M
PKW-LIGHT-STP-K6A 3.0	3000	-20/+30mm	3M
PKW-LIGHT-STP-K6A 5.0	5000	-20/+30mm	5M
PKW-LIGHT-STP-K6A 7.5	7500	-20/+30mm	7.5M
PKW-LIGHT-STP-K6A 10.0	10000	-50/+50mm	10M
PKW-LIGHT-STP-K6A 15.0	15000	-50/+50mm	15M
PKW-LIGHT-STP-K6A 20.0	20000	-50/+50mm	20M
PKW-LIGHT-STP-K6A 25.0	25000	-50/+50mm	25M

ITEM NO:	PKW-LIGHT-STP-K6A			DRAWER	FW
TITLE				DATE	20230425
CUSTOMER				CHECKED	ACE
MATERIAL	SCALE			DATE	20230425
REV.	A	UNIT	MM	APPROVED	
DRAWING NO:	81121101			DATE	
ACAD FILE	E:\				

NO.	SPECIFICATION	Q'TY
3	RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE TOUGH PLUG; NICKEL-PLATED SHELL.	
2	MOLDED: PVC MOLDED BOOT.	
1	CABLE: CAT6A STP [32AWG(7/0.08mm BC)+AL/MYLAY]*4+DRALN(7*0.12mm TC) OD=Ø3.8±0.15MM LSZH JACKET.	
BOM LIST		

