

# RoHS COMPLIANT

## Overview

Bandwidth:250MHz  
 OD: 3.8mm  
 Conductor: 32AWG  
 Approvals: RoHS  
 Connector: 3U" gold plated RJ45 connector

## Physical Characteristics

- Cable Type – CAT6 STP
- 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 – 0.60±0.05mm
- Pair Identification:
  - Pair1=Orange, Orange-White
  - Pair2=Blue, Blue-White
  - Pair3=Green, Green-White
  - Pair4=Brown, Brown-White

## Connector Type (Qty. 2)

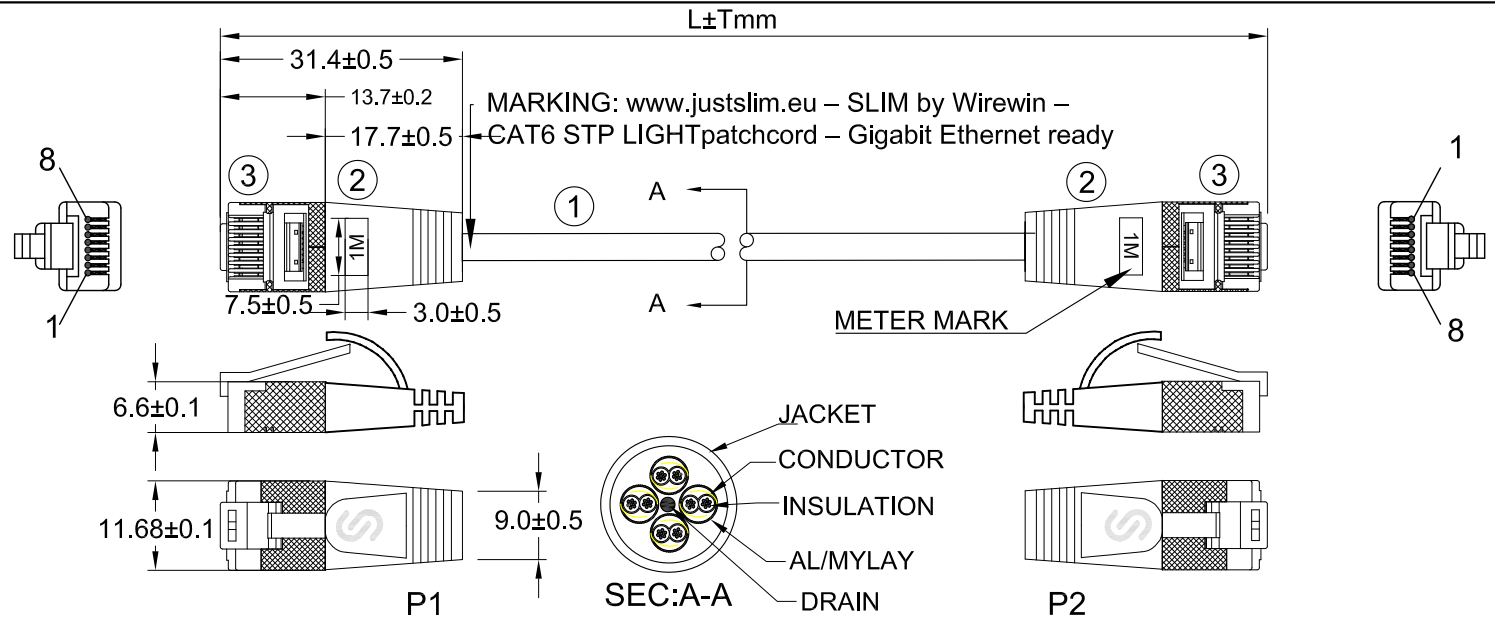
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating 3U"
- Hood Material – Molded PVC

## Overall Cable

- Jacket – PVC
- 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)
- 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
S —	S SHIELDED

CUSTOMER P/N	LENGTH(mm)	TOLERANCE	METER MARK
PKW-LIGHT-STP-K6 0.15	150	-0/+20mm	0.15M
PKW-LIGHT-STP-K6 0.25	250	-0/+20mm	0.25M
PKW-LIGHT-STP-K6 0.5	500	-0/+20mm	0.5M
PKW-LIGHT-STP-K6 1.0	1000	-0/+20mm	1M
PKW-LIGHT-STP-K6 2.0	2000	-10/+30mm	2M
PKW-LIGHT-STP-K6 3.0	3000	-20/+30mm	3M
PKW-LIGHT-STP-K6 5.0	5000	-20/+30mm	5M
PKW-LIGHT-STP-K6 7.5	7500	-20/+30mm	7.5M
PKW-LIGHT-STP-K6 10.0	10000	-50/+50mm	10M
PKW-LIGHT-STP-K6 15.0	15000	-50/+50mm	15M
PKW-LIGHT-STP-K6 20.0	20000	-50/+50mm	20M

ITEM NO:	PKW-LIGHT-STP-K6 XX	DRAWER DATE	FW 20230425
TITLE		CHECKED DATE	ACE 20230425
CUSTOMER		APPROVED DATE	
MATERIAL	SCALE		
REV. A	UNIT MM		
DRAWING NO:	60S0P380708HB 2307--10222086		
ACAD FILE	E:\	The original Slimpatchcord www.justslim.eu	

NO.	SPECIFICATION	Q'TY
3	RJ45 PLUG: 8P8C 3U" GOLD PLATED TWO-PIECE SHORT BODY LONG LATCH PLUG; NICKEL-PLATED SHELL.	
2	MOLDED: PVC MOLDED BOOT.	
1	CABLE: CAT6 STP [32AWG(7/0.08BC)+AL/MYLAY]*4+DRALN(7*0.12TC) OD=Ø3.8±0.15MM PVC JACKET.	
BOM LIST		