

# 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 – -20°C to +75°C
- Voltage Rating – 30V

## Conductor (Qty. 4 twisted pair)

- Conductor Type –(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)

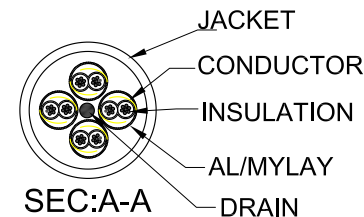
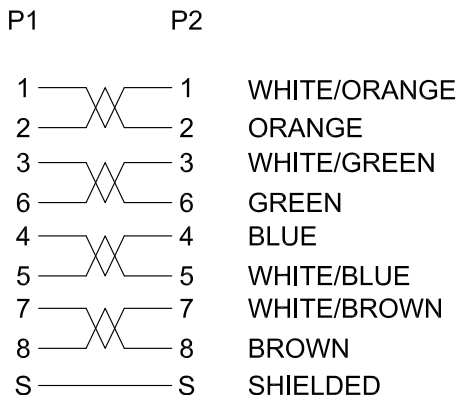
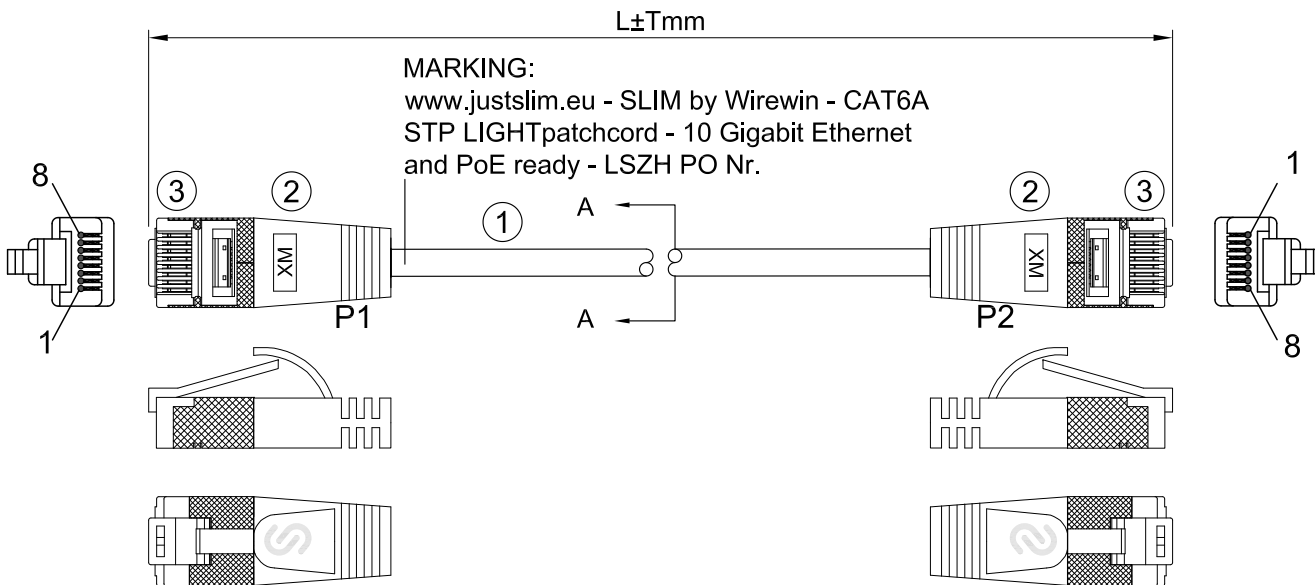
- Connector Type – 8P8C (RJ45) Long Latch
- Gender – Male
- Connector Material – NYLON ( TOUGH PLUG)
- Contact Material – Copper Alloy, 3U" Gold Plating
- Hood Material – Molded PVC

## Overall Cable

- Jacket – LSZH
- Minimum Average Thickness – 0.65mm
- 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



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

ITEM NO:	PKW-LIGHT-STP-K6A	DRAWER DATE	20181121
TITLE		CHECKED DATE	20181121
CUSTOMER		APPROVED DATE	
MATERIAL		SCALE	
REV.	A	UNIT	MM
DRAWING NO:			
ACAD FILE			

