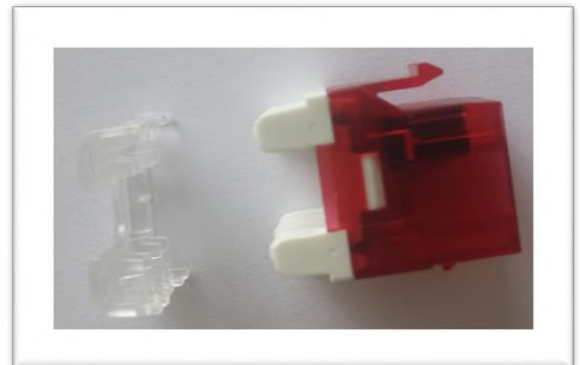


# Product Specification

## 180° Unshielded LED Keystone Jack

### Description

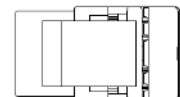
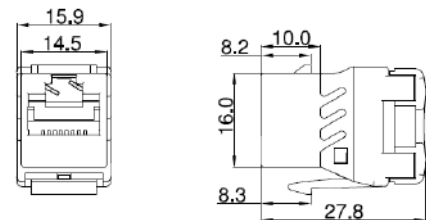
180° Unshielded LED Keystone Jack includes Cat.6A&Cat.6&Cat.5e products, as one part of the cabling system, it conforms to ISO/IEC11801.ANSI/TIA-568-B.2. The electrical performance include NEXT、FEXT、 Attenuation、 Return Loss and so on, it accords with 10Gigabit Ethernet , and provide up to 100/250/550MHz bandwidth.



### Characteristic

- Metal design meets 1U 24 port requirements.
- Standard module jack ; RJ45 connects to patch cord, IDC connects to horizontal cabling
- Support T568 A&B Wiring & Easy Installation
- IDC Connector can Accept 23AWG ( 0.574mm ) -26 AWG ( 0.404mm ) Solid and Stranded Cables
- New color LED indicating function is added in the keystone jack:  
The green indicates that the Patch Panel is connected to the keystone jack well, but for the connection device, Red indicates that the Patch Panel, keystone jack and devices are all connected properly.
- The unique PCB balanced design, reduce the interference and increase the margin.

### Drawing



### Material

- With high impact resistance PC material, and flame retardant is UL 94V-0.
- Jack Contact: Phosphor bronze, 3i"/15i" or 50i" inch gold plating over nickel plating in contact area.
- IDC Contact: 60μ inch nickel plated over phosphor bronze, the welding foot is 100i" nickel plated.
- PCB: FR-4, 1.6mm thickness

### Electrical Specification

- Insulation Resistance :  $\geq 500M\Omega$
  - Contact Resistance :  $\leq 20m\Omega$
  - Rated current : Max.1.5A
  - Dielectric Strength : 1000V RMS 60h 1min.
  - Performance/Frequency :
- |        |                   |            |
|--------|-------------------|------------|
| Cat.5e | NEXT $\geq 5.0dB$ | 0 ~ 100MHz |
| Cat.6  | NEXT $\geq 3.0dB$ | 0 ~ 250MHz |
| Cat.6A | NEXT $\geq 3.0dB$ | 0 ~ 500MHz |

### Physical Specification

- Jack Operating life :  $\geq 1500$
- Insertion Force :  $\leq 20N$
- withdrawal force :  $\geq 20N$
- IDC Operating life :  $\geq 250$
- IDC : 23~24AWG solid or stranded cable
- Contact Retention Force : Min.3kg
- The connection device retention : 50N 60 $\pm$ 5s

### Standard

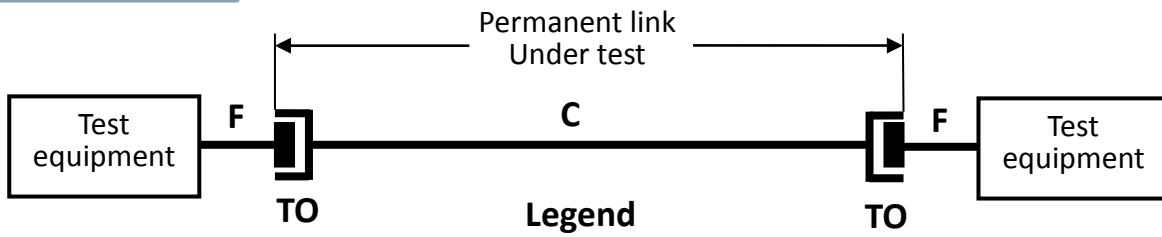
- TIA/EIA 568-C-2.1
- FCC Part 68
- ISO/IEC 11801 Class E Standard
- YD/T 926.3-2009 ;
- ISO/IEC 60603-7 COMPLIANT ;
- RoHS directive 2002/95/EC compliant

### Environment

- 1) Operating temperature : -10~+60°C
- 2) Operating humidity: relative humidity 10%~90%
- 3) Salt spray test : the PH value of salt solutions is 6.5~7.2 (35 $\pm$ 2°C) , the concentration is (5 $\pm$ 0.1) % with 48h continuous atomization, we must prevent oil stain, dust and other impurity when atomizing.

# Product Specification

## Permanent Link test



## Transmission Performance

Performance/Category	Cat.5e link test	Cat.6 link test	Cat.6A link test
NEXT	≥5.0dB	≥3.0dB	≥3.0dB

## Order Information

Part Number	Name	Quantity/Box	Quantity/Carton
CL-KJU-C618	Cat.6 180° Unshielded LED Keystone Jack	50 PCS	500 PCS
CL-KJ-C6A06	Cat.6A 180° Unshielded LED Keystone Jack	50 PCS	500 PCS