

## Introduction

A keystone jack is a female connector used in data communications, the jack is usually mounted in a wall plate or patch panel. A keystone plug is the matching male connector, usually attached to the end of a cable or cord. A principal advantage of keystone connectors is their versatility, several types of keystone jack can be mounted on a single patch panel. They are available in unshielded and shielded forms based on Cat6/6A, or Cat7/7A, and can accommodate cords and cables having various numbers of conductors. Keystone jacks are an important component in expansive local area networks that make use of patch panels and wall plates. It's a female connector for connecting different types to the wider network that are designed to snap in to modular wall plates and patch panels. The name comes from them looking like an architectural keystone, and they improve the versatility of patch panels by giving administrators fine control over the types of connections that are used in modular patch panels for more varied network connections



## Application

Keystone jacks RJ45 ranges of Cat6, Cat6A, Cat7 or Cat7A, with 90 degrees to 180 degrees, krone to 110, and standard keystone jacks to tool-free KSJs. All keystone jacks have a snap-in feature that allows them to be mounted on a variety of structured cabling components such as wall plates, faceplates, surface mounting boxes, and blank panels. We also have Ethernet jacks with colored plates for color-coding and those with shutters for dust prevention. We offer a full range of customized keystone jacks.

- Ethernet Networking
- Computer Networking Project
- Audio & Data Transmission
- Digital Networking
- Broadband Networking Communication
- Data Centers
- Surface mounting boxes
- Network Faceplates
- Network Patch Panels

## Category 6 keystone jack

### Operation Features

The Category 6 ethernet RJ45 keystone jacks are available in several versions such Cat6 U/UTP, F/UTP or SF/UTP, 90 degrees to 180 degrees, although keystone jacks are primarily used to offer RJ45 Ethernet connectivity, there are a wide array of different connection options for compatible patch panels. They include standard patch panel offerings like RJ45 Ethernet with various speed and shielding support.

- Keystone Jack type options Cat6 U/UTP, F/UTP or SF/UTP
- Standards EIA/TIA-568A and EIA/TIA-568B
- Compatible with T568B and optional T568A wiring schemes
- Contact Compatibility accommodates 22 To 24 AWG Solid
- Connector RJ45 8P8C golden type, tested with guaranteed performance to 250 MHz
- Compatible with 24-port applications in 1U
- Easily snap in and out of patch panel, and surface boxes or other application
- Application 10BASE-T Ethernet IEEE802.3, 100BASE-T Ethernet IEEE802.3 and 1000BASE-T Ethernet IEEE802.3
- 100% component test to guarantee the quality
- UL Certified & RoHS Compliant

### Mechanical Performance Test compliance

- Standards Specifications: TIA/EIA-568-C.2, TIA/EIA-568.2-D (T568A & T568B), ISO/IEC 11801 Class E, ANSI/TIA-1096-A, EN50173-1:2011
- Insulation Resistance: 500 M $\Omega$
- Material: ABS UL94V-0 material
- Operation Temperature: -10 to +60°C
- Storage Temperature: -40°C to +70°C



**Cat6 U/UTP  
Keystone Jack**



**Cat6 F/UTP  
Keystone Jack**



**Cat6 SF/UTP  
Keystone Jack**

## Category 6A keystone jack

### Operation Features

The Category 6A ethernet RJ45 keystone jacks are available in several versions such as Cat6A U/UTP, F/UTP or SF/UTP, 90 degrees to 180 degrees, although keystone jacks are primarily used to offer RJ45 Ethernet connectivity, there are a wide array of different connection options for compatible patch panels. They include standard patch panel offerings like RJ45 Ethernet with various speed and shielding support.

- Keystone Jack type options Cat6A U/UTP, F/UTP or SF/UTP
- Standards EIA/TIA-568A and EIA/TIA-568B
- Compatible with T568B and optional T568A wiring schemes
- Contact Compatibility accommodates 22 To 24 AWG Solid
- Connector RJ45 8P8C golden type, tested with guaranteed performance to 500 MHz
- Compatible with 24-port applications in 1U
- Easily snap in and out of patch panel, and surface boxes or other application
- Application 10BASE-T Ethernet IEEE802.3, 100BASE-T Ethernet IEEE802.3, 1000BASE-T Ethernet IEEE802.3 and 10GBASE-T Ethernet IEEE802.3
- 100% component test to guarantee the quality
- UL Certified & RoHS Compliant

### Mechanical Performance Test compliance

- Standards Specifications: TIA/EIA-568-C.2, TIA/EIA-568.2-D (T568A & T568B), ISO/IEC 11801 Class E, ANSI/TIA-1096-A, EN50173-1:2011
- Insulation Resistance: 500 MΩ
- Material: ABS UL94V-0 material
- Operation Temperature: -10 to +60°C
- Storage Temperature: -40°C to +70°C



**Cat6A U/UTP  
Keystone Jack**



**Cat6A F/UTP  
Keystone Jack**



**Cat6A SF/UTP  
Keystone Jack**

## Category 7/7A/8 keystone jack

### Operation Features

The Category 7/7A/8 ethernet RJ45 keystone jacks are available in several versions such Cat7 SF/UTP, Cat7A SF/UTP or Cat8 SF/UTP, 90 degrees to 180 degrees, although keystone jacks are primarily used to offer RJ45 Ethernet connectivity, there are a wide array of different connection options for compatible patch panels. They include standard patch panel offerings like RJ45 Ethernet with various speed and shielding support.

- Keystone Jack type options Cat7 SF/UTP, Cat7A SF/UTP or Cat8 SF/UTP
- Standards EIA/TIA-568A and EIA/TIA-568B
- Compatible with T568B and oT568A wiring schemes
- Contact Compatibility accommodates 22 To 24 AWG Solid
- Connector RJ45 8P8C golden type, tested with guaranteed performance to 600 MHz, 1000 MHz or 2000 MHz
- Compatible with 24-port applications in 1U
- Easily snap in and out of patch panel, and surface boxes or other application
- Application 100BASE-T Ethernet IEEE802.3, 1000BASE-T Ethernet IEEE802.3, 10GBASE-T Ethernet IEEE802.3 and 25GBASE-T Ethernet IEEE802.3
- 100% component test to guarantee the quality
- UL Certified & RoHS Compliant

### Mechanical Performance Test compliance

- Standards Specifications: TIA/EIA-568-C.2, TIA/EIA-568.2-D (T568A & T568B), ISO/IEC 11801 Class F/FA, ANSI/TIA-1096-A, EN50173-1:2011
- Insulation Resistance: 500 MΩ
- Material: ABS UL94V-0 material
- Operation Temperature: -10 to +60°C
- Storage Temperature: -40°C to +70°C



**Cat7 SF/UTP  
Keystone Jack**



**Cat7A SF/UTP  
Keystone Jack**



**Cat8 SF/UTP  
Keystone Jack**

## Ordering Information

Product Code	Description
LN-KJ-UC6-xxx-xx	Category 6 U/UTP RJ45 Keystone Jack
LN-KJ-FC6-xxx-xx	Category 6 F/UTP RJ45 Foiled Keystone Jack
LN-KJ-SFC6-xxx-xx	Category 6 SF/UTP RJ45 Shielded Foiled Keystone Jack
LN-KJ-UC6A-xxx-xx	Category 6A U/UTP RJ45 Keystone Jack
LN-KJ-FC6A-xxx-xx	Category 6A F/UTP RJ45 Foiled Keystone Jack
LN-KJ-SFC6A-xxx-xx	Category 6A SF/UTP RJ45 Shielded Foiled Keystone Jack
LN-KJ-SFC7-xxx-xx	Category 7 SF/UTP RJ45 Shielded Foiled Keystone Jack
LN-KJ-SFC7A-xxx-xx	Category 7A SF/UTP RJ45 Shielded Foiled Keystone Jack
LN-KJ-SFC8-xxx-xx	Category 8 SF/UTP RJ45 Shielded Foiled Keystone Jack

**\* Note:**

xx= For the Keystone Jack Color such as "BL for Blue, GY for Gray, WH for White"

xxx= For the Keystone Jack version such as "090 for 90 degrees and 180 for 180 degrees"

**Notice:** The data in this document are only reference and will be changed without any notice.  
This specification is intended as a guide only.