



## KJ-Series Modular Jack, RJ45, Cat6 Unshielded, Orange

## Product Classification

<b>Regional Availability</b>	North America
<b>Portfolio</b>	Uniprise®
<b>Product Type</b>	Modular jack
<b>Product Series</b>	UKJ Series

## General Specifications

<b>ANSI/TIA Category</b>	6
<b>Cable Type</b>	Unshielded
<b>Color</b>	Orange
<b>Conductor Type</b>	Solid   Stranded
<b>Integrated Dust Cover Type</b>	None
<b>Termination Type</b>	IDC
<b>Wiring</b>	T568A   T568B

## Dimensions

<b>Compatible Conductor Gauge, solid</b>	22 AWG   24 AWG
<b>Compatible Conductor Gauge, stranded</b>	24 AWG   26 AWG

## Electrical Specifications

<b>Contact Resistance Variation, maximum</b>	20 mOhm
<b>Contact Resistance, maximum</b>	100 mOhm
<b>Current Rating at Temperature</b>	1.5 A @ 20 °C   1.5 A @ 68 °F
<b>Dielectric Withstand Voltage, RMS, conductive surface</b>	1,500 Vac @ 60 Hz
<b>Dielectric Withstand Voltage, RMS, contact-to-contact</b>	1,000 Vac @ 60 Hz
<b>Insulation Resistance, minimum</b>	500 MOhm
<b>Remote Powering</b>	Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3bt (Type 4) and complies with the

unmating under electrical load requirements prescribed by IEC 60512-99-002

## PoE Durability

Supports IEEE 802.3bt Type 4 (90 W) applications greater than 3000 plug to jack mating cycles

## Material Specifications

### Contact Plating Material

Precious metals

### Material Type

High-impact, flame retardant, thermoplastic | PC+ABS

### Termination Contact Plating

Nickel

## Mechanical Specifications

### Plug Retention Force, minimum

133 N | 29.9 lbf

### Plug to Jack Mating Cycles

Complies to IEC 60603-7 series

## Environmental Specifications

### Operating Temperature

-10 °C to +60 °C (+14 °F to +140 °F)

### Storage Temperature

-40 °C to +70 °C (-40 °F to +158 °F)

### Relative Humidity

Up to 95%, non-condensing

### Flammability Rating

UL 94 V-0

### Safety Standard

UL | cUL

## Packaging and Weights

### Packaging quantity

1

## Regulatory Compliance/Certifications

### Agency

### Classification

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant

