



KJ-Series Modular Jack, RJ45, Cat6A Unshielded, Orange

- Color is more prominently visible across the body of the jack
- Allows for all jack variants to be terminated with the SL termination tool
- Lacing fixture of the SL termination tool is used to establish the cable termination

Product Classification

|                       |               |
|-----------------------|---------------|
| Regional Availability | North America |
| Portfolio             | Uniprise®     |
| Product Type          | Modular jack  |
| Product Series        | UKJ Series    |

General Specifications

|                            |   |
|----------------------------|---|
| ANSI/TIA Category          | 6A  |
| Cable Type                 | Unshielded                                |
| Color                      | Orange                                    |
| Conductor Type             | Solid   Stranded                          |
| Integrated Dust Cover Type | None                                      |
| Mounting                   | Keystone faceplates and panels            |
| Outlet Type                | Standard                                  |
| Termination Tool           | SL Termination tool                       |
| Termination Type           | IDC                                       |
| Transmission Standards     | ANSI/TIA-568.2-D   ISO/IEC 11801 Class EA |
| Wiring                     | T568A   T568B                             |

Dimensions

|  |                                   |
|--|-----------------------------------|
| Panel Cutout, recommended                        | 14.78 x 19.30 mm (0.58 x 0.76 in) |
| Panel Thickness, recommended                     | 1.6 mm   0.063 in                 |
| Height   | 16.13 mm   0.635 in               |
| Width  | 16.48 mm   0.649 in               |
| Depth  | 30.48 mm   1.2 in                 |
| Compatible Cable Diameter, maximum               | 7.24 mm   0.285 in                |
| Compatible Insulated Conductor Diameter, maximum | 1.45 mm   0.057 in                |

|                                      |                 |
|--------------------------------------|-----------------|
| Contact Plating Thickness            | 1.27 µm         |
| Compatible Conductor Gauge, solid    | 22 AWG   24 AWG |
| Compatible Conductor Gauge, stranded | 24 AWG   26 AWG |

## Electrical Specifications

|                 |  |
|-----------------|--|
| Remote Powering | 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 Base Material    | Beryllium copper   |
| Contact Plating Material | Gold   |
| Material Type            | High-impact, flame retardant, thermoplastic   PC+ABS   Polycarbonate |

## Mechanical Specifications

|                            |                                |
|----------------------------|--------------------------------|
| 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) |
| Flammability Rating   | UL 94 V-0                            |

## Packaging and Weights

|                    |     |
|--------------------|-----|
| Packaging quantity | 1   |
| Packaging Type     | Bag |

## 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |

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