



## KJ-Series Modular Jack, RJ45, Cat6A Unshielded, Violet

- 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

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

### Dimensions

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

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

## Electrical Specifications

|                        |  |
|------------------------|--|
| <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 |
|------------------------|--|

|                       |  |
|-----------------------|--|
| <b>PoE Durability</b> | Supports IEEE 802.3bt Type 4 (90 W) applications after 3000 plug to jack mating cycles |
|-----------------------|--|

## Material Specifications

|                                 |  |
|---------------------------------|--|
| <b>Contact Base Material</b>    | Beryllium copper   |
| <b>Contact Plating Material</b> | Gold   |
| <b>Material Type</b>            | Copper alloy   High-impact, flame retardant, thermoplastic   Polycarbonate |

## Mechanical Specifications

|                                   |                                |
|-----------------------------------|--------------------------------|
| <b>Plug to Jack Mating Cycles</b> | Complies to IEC 60603-7 series |
|-----------------------------------|--------------------------------|

## Environmental Specifications

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Operating Temperature</b> | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Storage Temperature</b>   | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Flammability Rating</b>   | UL 94 V-0                            |

## Packaging and Weights

|                           |     |
|---------------------------|-----|
| <b>Packaging quantity</b> | 1   |
| <b>Packaging Type</b>     | Bag |

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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  |

