



M-Series Modular Jack, RJ45, Cat6 Unshielded, Yellow

## Product Classification

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

## General Specifications

|                                   |  |
|-----------------------------------|--|
| <b>ANSI/TIA Category</b>          | 6  |
| <b>Application</b>                | Universal design and label supports both T568 A and B wiring                                     |
| <b>Cable Type</b>                 | Unshielded   |
| <b>Color</b>                      | Yellow   |
| <b>Conductor Type</b>             | Solid   Stranded   |
| <b>Integrated Dust Cover Type</b> | None   |
| <b>Mounting</b>                   | M Series faceplates, surface mount boxes, consolidation point boxes, or CommScope modular panels |
| <b>Mounting Note</b>              | Can be mounted either at 90° (straight) or at 45° (angled) in any CommScope faceplate            |
| <b>Termination Type</b>           | IDC  |
| <b>Wiring</b>                     | T568A   T568B  |

## Dimensions

|   |                          |
|---|--------------------------|
| <b>Height</b>                               | 20.32 mm   0.8 in        |
| <b>Width</b>                                | 20.32 mm   0.8 in        |
| <b>Depth</b>                                | 30.48 mm   1.2 in        |
| <b>Compatible Conductor Gauge, solid</b>    | 22 AWG   24 AWG          |
| <b>Compatible Conductor Gauge, stranded</b> | 22 AWG   23 AWG   24 AWG |

## Electrical Specifications

# 760258937 | UNJ600T-YL

---

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

## Material Specifications

|                                    |  |
|------------------------------------|--|
| <b>Contact Plating Material</b>    | Precious metals  |
| <b>Material Type</b>               | Copper alloy   High-impact, flame retardant, thermoplastic |
| <b>Termination Contact Plating</b> | Nickel   |

## Mechanical Specifications

|                                      |                                |
|--------------------------------------|--------------------------------|
| <b>Plug Retention Force, minimum</b> | 133 N   29.9 lbf               |
| <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>Relative Humidity</b>     | Up to 95%, non-condensing            |
| <b>Flammability Rating</b>   | UL 94 V-0                            |
| <b>Safety Standard</b>       | UL   cUL                             |

## Packaging and Weights

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