



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

Product Classification

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

General Specifications

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

Dimensions

| | |
|--|-------------------|
| Height | 20.32 mm 0.8 in |
| Width | 20.32 mm 0.8 in |
| Depth | 30.48 mm 1.2 in |
| Compatible Conductor Gauge, solid | 22 AWG 24 AWG |

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Compatible Conductor Gauge, stranded

22 AWG | 23 AWG | 24 AWG

Electrical Specifications

Contact Resistance Variation, maximum

20 mOhm

Contact Resistance, maximum

100 mOhm

Current Rating at Temperature

1.5 A @ 20 °C | 1.5 A @ 68 °F

Dielectric Withstand Voltage, RMS, conductive surface

1,500 Vac @ 60 Hz

Dielectric Withstand Voltage, RMS, contact-to-contact

1,000 Vac @ 60 Hz

Insulation Resistance, minimum

500 MOhm

PoE Durability

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

Material Specifications

Contact Plating Material

Precious metals

Material Type

Copper alloy | High-impact, flame retardant, thermoplastic

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

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

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ROHS Compliant

UK-ROHS Compliant

