



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

## 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>	Gray
<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

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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**

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

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

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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

