



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

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	Black
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

