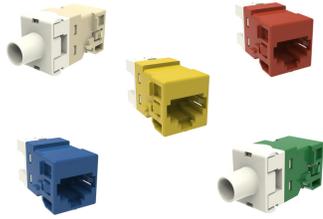


# UNJ500

## Base Product



## M-Series Modular Jack, RJ45, Cat5e Unshielded

### Product Classification

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

### General Specifications

<b>ANSI/TIA Category</b>	5e
<b>Cable Type</b>	Unshielded
<b>Conductor Type</b>	Solid   Stranded
<b>Integrated Dust Cover Type</b>	None
<b>Mounting</b>	M Series faceplates and panels
<b>Outlet Feature</b>	Inverted jack face
<b>Outlet Type</b>	Standard
<b>Termination Tool</b>	110 Punchdown tool   JTT Termination tool
<b>Termination Type</b>	IDC
<b>Transmission Standards</b>	ANSI/TIA-568.2-D   ISO/IEC 11801 Class D
<b>Wiring</b>	T568A   T568B

### Dimensions

<b>Panel Thickness, recommended</b>	1.6 mm   0.063 in
<b>Height</b>	18.8 mm   0.74 in
<b>Width</b>	18.5 mm   0.728 in
<b>Depth</b>	30.5 mm   1.201 in
<b>Compatible Cable Diameter, maximum</b>	5.8 mm   0.228 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 $\mu\text{m}$
<b>Compatible Conductor Gauge, solid</b>	22–24 AWG
<b>Compatible Conductor Gauge, stranded</b>	24–26 AWG

## Electrical Specifications

<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, contact-to-contact</b>	1,000 Vac @ 60 Hz
<b>Insulation Resistance, minimum</b>	500 MOhm
<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 greater than 3000 plug to jack mating cycles
<b>Safety Voltage Rating</b>	150 Vac

## Material Specifications

<b>Contact Base Material</b>	Beryllium copper
<b>Contact Plating Material</b>	Gold
<b>IDC Termination Material</b>	Phosphor Bronze
<b>Material Type</b>	PC+ABS
<b>Termination Contact Plating</b>	Tin

## Mechanical Specifications

<b>Plug Retention Force, minimum</b>	50 N   11.24 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>	cULus