



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

Product Classification

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

General Specifications

| | |
|-----------------------------------|--|
| ANSI/TIA Category | 6 |
| Cable Type | Unshielded |
| Color | Black |
| Conductor Type | Solid Stranded |
| Integrated Dust Cover Type | None |
| Mounting Note | Color matches with SL-style Black Faceplates and Surface Mount Boxes |
| Termination Type | IDC |
| Wiring | T568A T568B |

Dimensions

| | |
|---|-----------------|
| Compatible Conductor Gauge, solid | 22 AWG 24 AWG |
| Compatible Conductor Gauge, stranded | 24 AWG 26 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 |

760237627 | USL600-BK

Remote Powering

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

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 Insertion Life, test plug

IEC 60603-7 compliant plug

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

REACH-SVHC

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS

Compliant

UK-ROHS

Compliant

