



## SL-Series Modular Jack, RJ45, Cat6 Unshielded, Black (24 ea/pkg)

### Product Classification

**Regional Availability**

Asia | Australia/New Zealand | EMEA | Latin America

**Portfolio**

NETCONNECT®

**Product Type**

Modular jack

**Product Series**

SL Series

### General Specifications

**ANSI/TIA Category**

6

**Cable Type**

Unshielded

**Color**

Black

**Conductor Type**

Solid | Stranded

**Integrated Dust Cover Type**

None

**Mounting**

SL Series faceplates and panels

**Mounting Note**

Color matches with SL-style Black Faceplates and Surface Mount Boxes

**Outlet Feature**

Inverted jack face

**Outlet Type**

Standard

**Termination Punchdowns, minimum**

200 times

**Termination Tool**

SL Termination tool

**Termination Type**

IDC

**Transmission Standards**

ANSI/TIA-568.2-D | ISO/IEC 11801 Class E

**Wiring**

T568A | T568B

### Dimensions

**Panel Cutout, recommended**

14.78 x 20.07 mm (0.58 x 0.79 in)

**Panel Thickness, recommended**

1.6 mm | 0.063 in

**Height**

16.13 mm | 0.635 in

# 4-1375055-2 | ECO SL110-6-BK-24

|   |                    |
|---|--------------------|
| <b>Width</b>  | 14.48 mm   0.57 in |
| <b>Depth</b>  | 30.48 mm   1.2 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 |
| <b>Contact Plating Thickness</b>                        | 1.27 $\mu$ m       |
| <b>Compatible Conductor Gauge, solid</b>                | 24–22 AWG          |
| <b>Compatible Conductor Gauge, stranded</b>             | 26–24 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, conductive surface</b> | 1,500 Vac @ 60 Hz  |
| <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 after 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>Material Type</b>               | Polycarbonate    |
| <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) |
|------------------------------|--------------------------------------|

# 4-1375055-2 | ECO SL110-6-BK-24

---

|                            |                                      |
|----------------------------|--------------------------------------|
| <b>Storage Temperature</b> | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Flammability Rating</b> | UL 94 V-0                            |
| <b>Safety Standard</b>     | UL   cUL                             |

## Packaging and Weights

|                           |  |
|---------------------------|--|
| <b>Included</b>           | Strain relief cap                      |
| <b>Packaging Material</b> | Eco-friendly, single-use plastics-free |
| <b>Packaging quantity</b> | 24                                     |
| <b>Packaging Type</b>     | Box   Carton                           |

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| 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  |

