



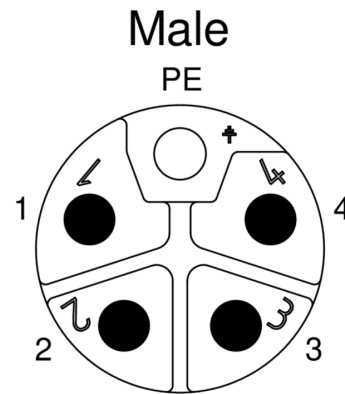
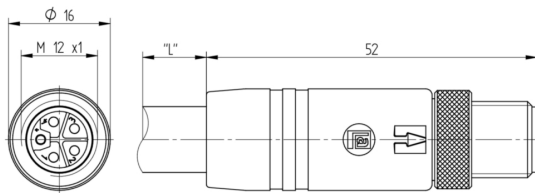
**Product:** [RST 5L-949](#)

M12 Power Single-Ended Cordset: Male, straight, 5-pin(4+FE), L-coded, blue body, 50 V AC/60 V DC, 16 A; PUR grey cable, 1.50 mm<sup>2</sup>

**Product Description**

M12 Power Single-Ended Cordset: Male, straight, 5-pin(4+FE), L-coded, blue body, 50 V AC/60 V DC, 16 A; PUR grey cable, 1.50 mm<sup>2</sup>

**Technical Drawing**



**Technical Specifications**

**Face View**

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | FE   |
|-------|-------|-------|-------|------|
| brown | white | blue  | black | pink |

**Technical Data**

|                           |                       |
|---------------------------|-----------------------|
| Product Family:           | Power Connector       |
| Product Sub Family:       | M12 Power             |
| Brand:                    | Lumberg Automation    |
| Connector Type:           | Cordset, single ended |
| Type of Contact / Gender: | male                  |
| Connector Design:         | straight              |
| Number of Pins:           | 5(4+FE)               |
| Coding:                   | L                     |
| Shielding:                | Unshielded            |
| Attachment Type:          | Coupling Screw        |
| Rated Voltage:            | 63 V                  |
| Rated Voltage (UL):       | 63 V                  |
| Rated Impulse Voltage:    | 1.5 kV                |
| Operating Voltage:        | 50 V AC / 60 V DC     |
| Rated Current*:           | 16 A                  |
| Rated Current (UL)*:      | 16 A                  |

|                                   |   |
|-----------------------------------|---|
| Contact Resistance:               | ≤ 10 mOhm                               |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm                   |
| Mating Cycles:                    | ≤ 100                                   |
| Ambient Temperature (Operation)*: | -40 °C to +125 °C, notice derating      |
| Protection Degree / IP Rating**:  | IP65, IP67, IP69K                       |
| Design Standard:                  | IEC 61076-2-111                         |
| Pollution Degree:                 | 3 acc. to DIN EN 60664-1 (VDE 0110-1)   |
| Clearance / Creepage Distance:    | DIN EN 60664-1 (2008/01); VDE 0110-1    |
| Overvoltage Category:             | III acc. to DIN EN 60664-1 (VDE 0110-1) |

## Materials

|                                      |           |
|--------------------------------------|-----------|
| Contact Base Material:               | CuNi      |
| Contact Plating:                     | Cu/Au     |
| Contact Bearer Material:             | PBT GF    |
| Contact Bearer Color:                | grey      |
| Flammability Class (Contact Bearer): | UL 94 V-2 |
| Molded Body Material:                | TPE       |
| Molded Body Color:                   | blue      |
| Flammability Class (Molded Body):    | UL 94 HB  |
| Attachment Material:                 | CuZn      |
| Attachment Plating:                  | Cu/Ni     |
| O-Ring Material:                     | FKM       |

## Additional Technical Data

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Fastening Torque (Contact Screw): | M 12x1: (50-60) Ncm, hand-tight |
|-----------------------------------|---------------------------------|

## Cable Data

|   |   |
|---|---|
| Cable Number:   | 949   |
| Conductor Size:   | 1.50 mm <sup>2</sup>  |
| Number of Wires:  | 5   |
| Minimal Bending Radius (Fixed Inst):                      | > 4 x D   |
| Minimal Bending Radius (Flexible Inst):                   | > 7.5 x D   |
| Cycles (Bending):   | > 10 M  |
| Conductor material:                                       | Cu  |
| Cable Jacket Material:                                    | PUR   |
| Cable Jacket Color:                                       | grey (RAL 7032)   |
| Cable Diameter D:   | ø 8.0 ±0.20 mm  |
| Wire Insulation Material:                                 | PP  |
| Insulated Wire Diameter:                                  | ø 2.35 mm   |
| Ambient Temperature (Fixed Installation):                 | -40 °C to +90 °C (UL AWM 80°C)                                      |
| Ambient Temperature (Flex Installation):                  | -30 °C to +90 °C (UL AWM 80°C)                                      |
| Ambient Temperature (Fixed Installation short-term 100h): | -40 °C to +125 °C   |
| Ambient Temperature (Drag Chain Inst):                    | -20 °C to +60 °C  |
| UL Cable Type:  | AWM: 20939  |
| Flammability Class (Cable Jacket):                        | VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1 |

## Approvals

|          |                |
|----------|----------------|
| UL-File: | E497237        |
| UL:      | UL 2237; cULus |
| VDE:     | VDE 61984      |

## Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

## Resistances

|                 |                                       |
|-----------------|---------------------------------------|
| Halogenfree:    | DIN VDE 0472 T.815                    |
| Oil Resistance: | HD 22.10 Appendix A, DIN EN 60811-404 |

## Notes

|                                     |  |
|-------------------------------------|--|
| Note Derating:                      | * Notice derating  |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |

## Variants

| Item #    | Item Description | Cable Length |
|-----------|------------------|--------------|
| 934851075 | RST 5L-949/2 M   | 2 m          |
| 934851076 | RST 5L-949/5 M   | 5 m          |
| 934851077 | RST 5L-949/10 M  | 10 m         |
| 934851078 | RST 5L-949/15 M  | 15 m         |

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