



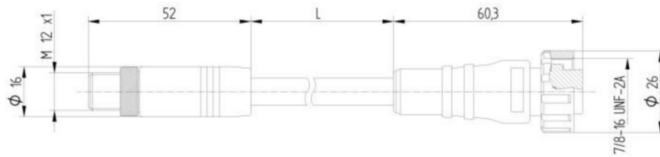
**Product:** [RST 4L- RK 40-996/1M P-12556](#)

M12 to 7/8", Power Double-Ended Cordset: Male straight to female straight, 4-pin, Black body, 50 V AC/60 V DC, 8 A; yellow TPE jacket, 1.50 mm<sup>2</sup> (16 AWG)

## Product Description

M12 to 7/8", Power Double-Ended Cordset: Male straight to female straight, 4-pin, Black body, 50 V AC/60 V DC, 8 A; yellow TPE jacket, 1.50 mm<sup>2</sup> (16 AWG)

## Technical Drawing



| Kontaktbelegung<br>contact assignment |                                |                            |
|---------------------------------------|--------------------------------|----------------------------|
| Typ/<br>type                          | Polzahl/<br>number of<br>poles | Farbkennung/<br>color code |
| RST 4L                                | 1                              | 1 = braun / brown          |
|                                       | 2                              | 2 = weiß / white           |
|                                       | 3                              | 3 = blau / blue            |
|                                       | 4                              | 4 = schwarz / black        |

| Kontaktbelegung<br>contact assignment |                             |              |
|---------------------------------------|-----------------------------|--------------|
| Farbkennung/<br>color code            | Polzahl/<br>number of poles | Typ/<br>type |
| 1 = weiß / white                      | 2                           | RK 40        |
| 2 = blau / blue                       |                             |              |
| 3 = schwarz / black                   |                             |              |
| 4 = braun / brown                     |                             |              |

## Technical Specifications

### Product Description

|                      |                       |
|----------------------|-----------------------|
| Product Family:      | Power Connectors      |
| Brand:               | Lumberg Automation    |
| Connector Type:      | Cordset, double ended |
| Shielding:           | Unshielded            |
| Rated Voltage:       | 63 VDC                |
| Rated Voltage (UL):  | 63 VDC                |
| Operating Voltage:   | 63 VDC                |
| Rated Current*:      | 8 A                   |
| Rated Current (UL)*: | 8 A                   |

### Technical Data Side 1

|                                   |   |
|-----------------------------------|---|
| Product Sub Family:               | M12 Power                               |
| Type of Contact / Gender:         | male                                    |
| Connector Design:                 | straight                                |
| Attachment Type:                  | Coupling Nut                            |
| Number of Pins:                   | 4                                       |
| Coding:                           | L                                       |
| 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                              |
| 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) |
| Contact Base Material:            | CuNi                                    |
| Contact Plating:                  | Cu/Au                                   |

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Contact Bearer Material:             | PBT GF                          |
| Contact Bearer Color:                | black                           |
| Flammability Class (Contact Bearer): | UL 94 V-2                       |
| Molded Body Material:                | TPE                             |
| Molded Body Color:                   | black                           |
| Flammability Class (Molded Body):    | UL 94 HB                        |
| Attachment Material:                 | CuZn                            |
| Attachment Plating:                  | Cu/Ni                           |
| O-Ring Material:                     | FKM                             |
| Fastening Torque (Contact Screw):    | M 12x1: (60-65) Ncm, hand-tight |

Cable Data

|   |  |
|---|--|
| Cable Number:                             | 996  |
| Conductor Size:                           | 1.50 mm²   |
| Number of Wires:                          | 4  |
| Minimal Bending Radius (Fixed Inst):      | > 10 x D   |
| Minimal Bending Radius (Flexible Inst):   | > 10 x D   |
| Cycles (Bending):                         | > 1 Mio  |
| Conductor material:                       | Cu   |
| Cable Jacket Material:                    | TPE  |
| Cable Jacket Color:                       | yellow   |
| Cable Diameter D:                         | Ø 8.7 mm ± 0.2 mm  |
| Wire Insulation Material:                 | PVC / PVC-Polyamid   |
| Insulated Wire Diameter:                  | ø 2.55 mm  |
| Overall Shield (Cable):                   | -  |
| Ambient Temperature (Fixed Installation): | -40 °C to +90 °C   |
| Ambient Temperature (Flex Installation):  | -5 °C to +90 °C  |
| Ambient Temperature (Drag Chain Inst):    | -  |
| UL Cable Type:                            | UL/CSA, NEC (UL) TC_ER, WTTC or AWM Style 20328 (900 V 105 °C) |
| Flammability Class (Cable Jacket):        | UL1685 FT4/IEEE 1202 Vertical Tray Flame Test, FT4             |

Technical Data Side 2

|   |                                    |
|---|------------------------------------|
| Product Sub Family, Side 2:               | 7/8"                               |
| Type of Contact / Gender, Side 2:         | female                             |
| Connector Design, Side 2:                 | straight                           |
| Attachment Type, Side 2:                  | Coupling nut with internal threads |
| Number of Pins, Side 2:                   | 4                                  |
| Ambient Temperature (Operation), Side 2*: | -40°C to +90°C                     |

Approvals

|          |                |
|----------|----------------|
| UL-File: | E315587        |
| UL:      | UL 2238; cULus |

Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

Resistances

|                 |            |
|-----------------|------------|
| Oil Resistance: | Oil Res II |
|-----------------|------------|

Notes

Variants

| Item #    | Item Description            | Cable Length |
|-----------|-----------------------------|--------------|
| 934638033 | RST 4L-RK 40-996/1M P-12556 | 1 m          |

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