

**M12-Round-Plug Connector, Single-Ended Cordsets,  
According to IEC 61076-2-101**

RST

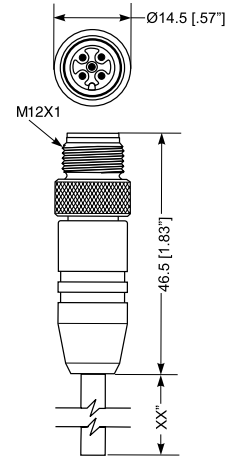


RST 8-627

**3-, 4-, 5-, and 8-Poles**

Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, and 8-poles, male straight connector with self-locking thread and molded cable.

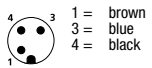
RST



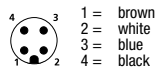
**Pin Assignments**

**M12 - Male**

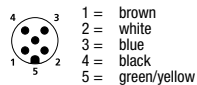
**3 poles**



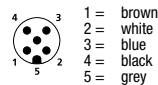
**4 poles**



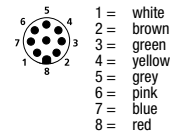
**5 poles (794)**



**5 poles (all others)**



**8 poles**





## M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101 RST

### Technical Data

#### Environmental

|                             |  |
|-----------------------------|--|
| Degree of protection        | IP 67 / NEMA 6P  |
| Operating temperature range | PUR: -40°C (-40°F) / +80°C (176°F)<br>PVC: -40°C (-40°F) / +90°C (194°F)<br>TPE: -40°C (-40°F) / +90°C (194°F) |

#### Mechanical

|                       |   |
|-----------------------|---|
| Housing / Molded body | PUR, yellow<br>RST 8-627: PUR, black      |
| Insert                | PUR, Yellow<br>RST 8-627/727: PUR, orange |
| Contacts              | CuSn, gold over nickel-plated             |
| Coupling nut          | CuZn, nickel-plated                       |

#### Electrical

|                |   |
|----------------|---|
| Current rating | 4 A   |
| RST 8-XXX:     | 1.5A  |
| Voltage rating | 250 V<br>5-Pole: 60V<br>8-Pole: 30 V AC / 36 V DC |

### Cable Specifications

| Cable No.  | Outer Jacket    | Gauge        | Jacket Color | OD             |
|--|-----------------|--------------|--------------|----------------|
| <b>602</b>   | <b>PUR</b>      | <b>18AWG</b> | Yellow       | .230" (5.8 mm) |
| Continuous flex rating and suitable for general C-track usage. 1 million cycles at minimum bend radius 10X cable diameter. |                 |              |              |                |
| <b>610</b>   | <b>PUR</b>      | <b>22AWG</b> | Yellow       | .190" (4.8 mm) |
| <b>612</b>   | <b>PVC</b>      | <b>22AWG</b> | Yellow       | .210" (5.3 mm) |
| <b>627</b>   | <b>PVC</b>      | <b>24AWG</b> | Black        | .232" (5.9 mm) |
| <b>632</b>   | <b>PVC</b>      | <b>22AWG</b> | Yellow       | .190" (4.8 mm) |
| <b>633</b>   | <b>PVC</b>      | <b>22AWG</b> | Yellow       | .190" (4.8 mm) |
| <b>637</b>   | <b>TPE/PLTC</b> | <b>18AWG</b> | Yellow       | .280" (7.1 mm) |
| <b>643</b>   | <b>TPE/PLTC</b> | <b>22AWG</b> | Yellow       | .246" (6.2 mm) |
| <b>644</b>   | <b>PUR</b>      | <b>22AWG</b> | Yellow       | .210" (5.3 mm) |
| <b>645</b>   | <b>PUR</b>      | <b>18AWG</b> | Yellow       | .220" (5.6 mm) |
| <b>679</b>   | <b>PUR</b>      | <b>22AWG</b> | Yellow       | .190" (4.8 mm) |
| <b>713</b>   | <b>TPE/PLTC</b> | <b>22AWG</b> | Yellow       | .280" (7.1 mm) |
| <b>727</b>   | <b>TPE/PLTC</b> | <b>22AWG</b> | Yellow       | .335" (8.5 mm) |
| <b>731</b>   | <b>TPE/PLTC</b> | <b>18AWG</b> | Yellow       | .261" (6.6 mm) |
| <b>794</b>   | <b>TPE/PLTC</b> | <b>18AWG</b> | Yellow       | .304" (7.7 mm) |

| Part Number    | Pins | Outer Jacket | Standard Cable Lengths | Characteristics |
|----------------|------|--------------|------------------------|-----------------|
| RST 3-731/...M | 3    | TPE/PLTC     | 2 M / 5 M / 10 M       |                 |
| RST 3-632/...M |      | PVC          | 2 M / 5 M / 10 M       |                 |
| RST 3-645/...M |      | PUR          | 2 M / 5 M / 10 M       |                 |
| RST 3-610/...M |      | PUR          | 2 M / 5 M / 10 M       |                 |
| RST 4-637/...M | 4    | TPE/PLTC     | 2 M / 5 M / 10 M       |                 |
| RST 4-633/...M |      | PVC          | 2 M / 5 M / 10 M       |                 |
| RST 4-643/...M |      | TPE/PLTC     | 2 M / 5 M / 10 M       |                 |
| RST 4-602/...M |      | PUR          | 2 M / 5 M / 10 M       |                 |
| RST 4-679/...M |      | PUR          | 2 M / 5 M / 10 M       |                 |
| RST 5-612/...M | 5    | PVC          | 2 M / 5 M / 10 M       |                 |
| RST 5-644/...M |      | PUR          | 2 M / 5 M / 10 M       |                 |
| RST 5-713/...M |      | TPE/PLTC     | 2 M / 5 M / 10 M       |                 |
| RST 5-794/...M |      | TPE/PLTC     | 2 M / 5 M / 10 M       |                 |
| RST 8-627/...M | 8    | PVC          | 2 M / 5 M / 10 M       |                 |
| RST 8-727/...M |      | TPE/PLTC     | 2 M / 5 M / 10 M       |                 |