

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

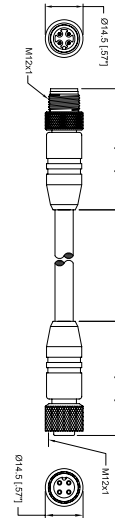
### RST -RKT | RST-RKWT



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

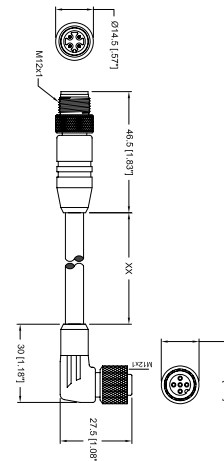
Actuator/sensor cordset, double-ended, M12, 3-, 4-, 5- and 8-poles, male straight to female straight connector with self-locking thread and molded TPE, PUR, or PVC cable, IEC color code.

### RST-RKT



Actuator/sensor cordset, double-ended, M12, 3-, 4-, 5- and 8-poles, male straight to female 90° connector with self-locking thread and molded TPE, PUR, or PVC cable, IEC color code.

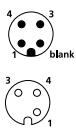
### RST-RKWT



## Pin Assignments

### M12 - Male/Female

#### 3 poles



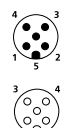
1 = brown  
3 = blue  
4 = black

#### 4 poles



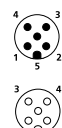
1 = brown  
2 = white  
3 = blue  
4 = black

#### 5 poles (794)



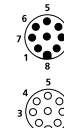
1 = brown  
2 = white  
3 = blue  
4 = black  
5 = green/yellow

#### 5 poles (all others)



1 = brown  
2 = white  
3 = blue  
4 = black  
5 = grey

#### 8 poles



1 = white  
2 = brown  
3 = green  
4 = yellow  
5 = grey  
6 = pink  
7 = blue  
8 = red



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

RST-RKT | RST-RKWT

#### 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-RKT 8-627: PUR, black<br>RST 8-RKWT 8-627: PUR, black   |
| Insert                | PUR, Yellow<br>RST 8-RKT 8-627: PUR, orange<br>RST 8-RKWT 8-627: PUR, orange |
| Contacts              | CuSn, gold over nickel-plated                                                |
| Coupling nut          | CuZn, nickel-plated                                                          |
| O-ring (female only)  | FKM or Viton                                                                 |

##### Electrical

|                  |                                                  |
|------------------|--------------------------------------------------|
| Current rating   | 4 A                                              |
| RST 8-RKT 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-RKT 4-3-731/...M RST 3-RKWT 4-3-731/...M | <b>3</b> | TPE/PLTC     | 2 M / 5 M / 10 M                         |                 |
| RST 3-RKT 4-3-632/...M RST 3-RKWT 4-3-632/...M |          | PVC          | 2 M / 5 M / 10 M                         |                 |
| RST 3-RKT 4-3-645/...M RST 3-RKWT 4-3-645/...M |          | PUR          | 2 M / 5 M / 10 M                         |                 |
| RST 3-RKT 4-3-610/...M RST 3-RKWT 4-3-610/...M |          | PUR          | 2 M / 5 M / 10 M                         |                 |
| RST 4-RKT 4-637/...M RST 4-RKWT 4-637/...M     | <b>4</b> | TPE/PLTC     | 1 M / 2 M / 3 M / 5 M / 6 M / 10 M       |                 |
| RST 4-RKT 4-633/...M RST 4-RKWT 4-633/...M     |          | PVC          | 2 M / 5 M / 10 M                         |                 |
| RST 4-RKT 4-643/...M RST 4-RKWT 4-643/...M     |          | TPE/PLTC     | 1 M / 2 M / 5 M / 10 M                   |                 |
| RST 4-RKT 4-602/...M RST 4-RKWT 4-602/...M     |          | PUR          | 1 M / 2 M / 3 M / 4 M / 5 M / 6 M / 10 M |                 |
| RST 4-RKT 4-679/...M RST 4-RKWT 4-679/...M     |          | PUR          | 2 M / 5 M / 10 M                         |                 |
| RST 5-RKT 5-612/...M RST 5-RKWT 5-612/...M     | <b>5</b> | PVC          | 2 M / 5 M / 10 M                         |                 |
| RST 5-RKT 5-644/...M RST 5-RKWT 5-644/...M     |          | PUR          | 2 M / 5 M / 10 M                         |                 |
| RST 5-RKT 5-713/...M RST 5-RKWT 5-713/...M     |          | TPE/PLTC     | 2 M / 5 M / 10 M                         |                 |
| RST 5-RKT 5-794/...M RST 5-RKWT 5-794/...M     |          | TPE/PLTC     | 2 M / 5 M / 10 M                         |                 |
| RST 8-RKT 8-627/...M RST 8-RKWT 8-627/...M     | <b>8</b> | PVC          | 2 M / 5 M / 10 M                         |                 |
| RST 8-RKT 8-727/...M RST 8-RKWT 8-727/...M     |          | TPE/PLTC     | 2 M / 5 M / 10 M                         |                 |