

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

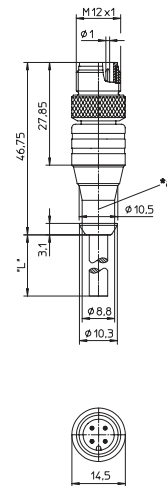
RST



### 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

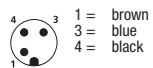


\*a hose mounting

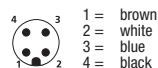
## Pin Assignments

### M12 - Male

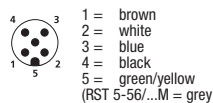
#### 3 poles



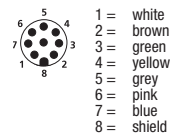
#### 4 poles



#### 5 poles



#### 8 poles



# Be Certain with Belden

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### Technical Data

#### Environmental

|                             |                                |
|-----------------------------|--------------------------------|
| Degree of protection        | IP 67 / NEMA 6P                |
| Operating temperature range | -25°C (-13°F) / +80°C (+176°F) |

#### Mechanical

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| Housing / Molded body | TPU                                                    |
| Insert                | TPU                                                    |
| Contact               | CuSn, pre-nickel-coated and<br>0.3 microns gold-plated |
| Coupling nut          | CuZn, nickel-plated                                    |

#### Electrical

|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Contact resistance      | ≤ 5 mΩ                                                       |
| Nominal current at 40°C | 3–5 poles 4 A<br>8 poles 2 A                                 |
| Nominal voltage         | 3–4 poles 240 V<br>5 poles 60 V<br>8 poles 30 V              |
| Rated voltage           | 3–4 poles 250 V<br>5 poles 63 V<br>8 poles 36 V              |
| Test voltage            | 3–4 poles 2.0 kV eff. / 60 s<br>5–8 poles 1.5 kV eff. / 60 s |
| Insulation resistance   | > 10 <sup>9</sup> Ω                                          |
| Pollution degree        | 3                                                            |

### Cable Specifications

| Cable No. | Outer Jacket                             | Conductor Size           | Jacket Color | OD             |
|-----------|------------------------------------------|--------------------------|--------------|----------------|
| 06        | PVC                                      | 3 x 0.34 mm <sup>2</sup> | Orange       | .197" (5.0 mm) |
| 07        | PVC                                      | 4 x 0.75 mm <sup>2</sup> | Orange       | .197" (5.0 mm) |
| 56        | PVC                                      | 5 x 0.34 mm <sup>2</sup> | Orange       | .224" (5.7 mm) |
| 224       | PUR, halogen-free                        | 3 x 0.34 mm <sup>2</sup> | Black        | .169" (4.3 mm) |
| 225       | PUR, halogen-free                        | 4 x 0.34 mm <sup>2</sup> | Black        | .185" (4.7 mm) |
| 228       | PUR, halogen-free                        | 5 x 0.50 mm <sup>2</sup> | Black        | .213" (5.4 mm) |
| 251       | PUR, halogen-free<br>welding spark proof | 4 x 0.34 mm <sup>2</sup> | Orange       | .185" (4.7 mm) |
| 259       | PUR, halogen-free<br>welding spark proof | 5 x 0.50 mm <sup>2</sup> | Orange       | .217" (5.5 mm) |
| 260       | PUR, halogen-free<br>welding spark proof | 3 x 0.34 mm <sup>2</sup> | Orange       | .177" (4.5 mm) |
| 282       | PUR, halogen-free                        | 7 x 0.25 mm <sup>2</sup> | Black        | .236" (6.0 mm) |
| 344       | PUR, halogen-free                        | 7 x 0.25 mm <sup>2</sup> | Black        | .236" (6.0 mm) |

| Part Number    | Pins | Outer Jacket                               | Standard Cable Lengths | Characteristics |
|----------------|------|--------------------------------------------|------------------------|-----------------|
| RST 3-06/...M  | 3    | PVC                                        | 2 M / 5 M / 10 M       |                 |
| RST 3-224/...M |      | PUR, halogen-free                          | 2 M / 5 M / 10 M       |                 |
| RST 3-260/...M |      | PUR, halogen-free / welding<br>spark proof | 2 M / 5 M / 10 M       |                 |
| RST 4-07/...M  | 4    | PVC                                        | 2 M / 5 M / 10 M       |                 |
| RST 4-225/...M |      | PUR, halogen-free                          | 2 M / 5 M / 10 M       |                 |
| RST 4-251/...M |      | PUR, halogen-free / welding<br>spark proof | 2 M / 5 M / 10 M       |                 |
| RST 5-56/...M  | 5    | PVC                                        | 2 M / 5 M / 10 M       |                 |
| RST 5-228/...M |      | PUR, halogen-free                          | 2 M / 5 M / 10 M       |                 |
| RST 5-259/...M |      | PUR, halogen-free / welding<br>spark proof | 2 M / 5 M / 10 M       |                 |
| RST 8-282/...M | 8    | PUR, halogen-free                          | 2 M / 5 M / 10 M       |                 |
| RST 8-344/...M |      | PUR, halogen-free                          | 10 M                   |                 |