

## M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104

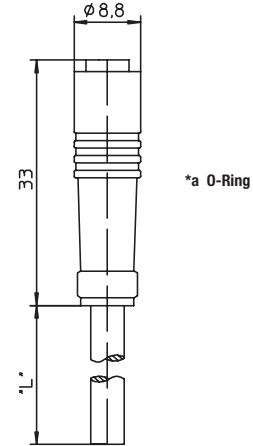
### RKM | RKMW



### 3- and 4-Poles

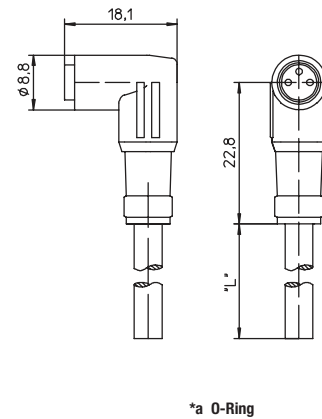
Actuator/sensor cordset, single-ended, M8  
3- and 4-poles, female straight connector with  
snap-in joint and molded cable.

### RKM



Actuator/sensor cordset, single-ended, M8 3-  
and 4-poles, female 90° connector with snap-in  
joint and molded cable.

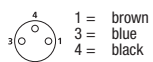
### RKMW



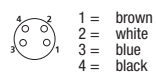
### Pin Assignments

#### M8

#### 3 poles



#### 4 poles





## Be Certain with Belden

**M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104**

RKM 3 | RKM 4 | RKMW 3 | RKMW 4

**Technical Data****Environmental**

|                             |                                |
|-----------------------------|--------------------------------|
| Degree of protection        | IP 65                          |
| Operating temperature range | -40°C (-40°F) / +90°C (+194°F) |

**Mechanical**

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Housing / Molded body | TPU                                             |
| Insert                | PA / TPU                                        |
| Contact               | CuZn, pre-nickel and<br>0.8 microns gold-plated |
| Coupling nut          | CuZn, nickel-plated                             |

**Electrical data**

|                         |                                                          |
|-------------------------|----------------------------------------------------------|
| Contact resistance      | ≤ 5 mΩ                                                   |
| Nominal current at 40°C | 4 A                                                      |
| Nominal voltage         | 3 poles 60 V<br>4 poles 30 V                             |
| Rated voltage           | 3 poles 63 V<br>4 poles 36 V                             |
| Test voltage            | 3 poles 1.5 kV eff. / 60 s<br>4 poles 0.8 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) |
| 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) |

| Part Number    |                 | Pins | Outer Jacket      | Standard Cable Lengths | Characteristics |
|----------------|-----------------|------|-------------------|------------------------|-----------------|
| RKM 3-06/...M  | RKMW 3-06/...M  | 3    | PVC               | 2 M / 5 M / 10 M       |                 |
| RKM 3-224/...M | RKMW 3-224/...M |      | PUR, halogen-free | 2 M / 5 M / 10 M       |                 |
| RKM 4-07/...M  | RKMW 4-07/...M  | 4    | PVC               | 2 M / 5 M / 10 M       |                 |
| RKM 4-225/...M | RKMW 4-225/...M |      | PUR, halogen-free | 2 M / 5 M / 10 M       |                 |