

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

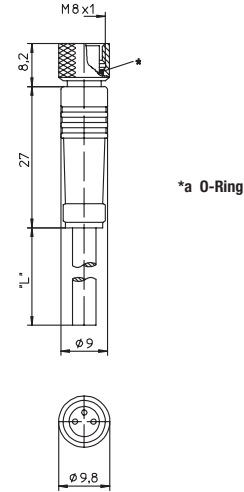
RKMV | RKMVV



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

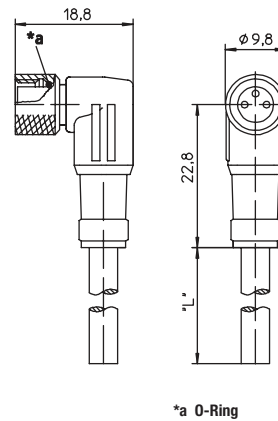
Actuator/sensor cordset, single-ended, M8, 3-, 4-, and 8-poles, female straight connector with self-locking threaded joint and molded cable.

RKMV



Actuator/sensor cordset, single-ended, M8, 3-, 4-, and 8-poles, female 90° connector with self-locking threaded joint and molded cable.

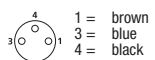
RKMVV



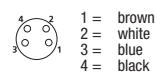
**Pin Assignments**

M8

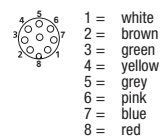
**3 poles**



**4 poles**



**8 poles**





# Be Certain with Belden

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

RKMV 3 | RKMV 4 | RKMV 8 | RKMWV 3 | RKMWV 4

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body TPU  
Insert PA / TPU  
Contact CuZn, pre-nickel and 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  
4 poles 30 V  
Rated voltage 3 poles 63 V  
4 poles 36 V  
Test voltage 3 poles 1.5 kV eff. / 60 s  
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) |
| 354       | PUR, halogen-free | 8 x 0.14 mm <sup>2</sup> | Black        | .197" (5.0 mm) |

| Part Number     | Pins | Outer Jacket      | Standard Cable Lengths | Characteristics |
|-----------------|------|-------------------|------------------------|-----------------|
| RKMV 3-06/...M  | 3    | PVC               | 2 M / 5 M / 10 M       |                 |
| RKMV 3-224/...M |      | PUR, halogen-free | 2 M / 5 M / 10 M       |                 |
| RKMV 4-07/...M  | 4    | PVC               | 2 M / 5 M / 10 M       |                 |
| RKMV 4-225/...M |      | PUR, halogen-free | 2 M / 5 M / 10 M       |                 |
| RKMV 8-354/...M | 8    | PUR, halogen-free | 2 M / 5 M / 10 M       |                 |