

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

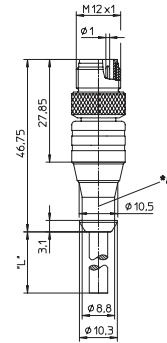
RST



**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



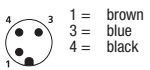
\*a hose mounting



**Pin Assignments**

M12 - Male

**3 poles**



- 1 = brown
- 3 = blue
- 4 = black

**4 poles**



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

**5 poles**



- 1 = brown
- 2 = white
- 3 = blue
- 4 = black
- 5 = green/yellow  
(RST 5-56/...M = grey)

**8 poles**



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



# Be Certain with Belden

## 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 -25°C (-13°F) / +80°C (+176°F)

#### Mechanical

Housing / Molded body TPU  
Insert TPU  
Contact CuSn, pre-nickelated and 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  
8 poles 2 A  
Nominal voltage 3–4 poles 240 V  
5 poles 60 V  
8 poles 30 V  
Rated voltage 3–4 poles 250 V  
5 poles 63 V  
8 poles 36 V  
Test voltage 3–4 poles 2.0 kV eff. / 60 s  
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 welding spark proof	4 x 0.34 mm <sup>2</sup>	Orange	.185" (4.7 mm)
259	PUR, halogen-free welding spark proof	5 x 0.50 mm <sup>2</sup>	Orange	.217" (5.5 mm)
260	PUR, halogen-free 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)

Cordsets  
Single-Ended

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 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 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 spark proof	2 M / 5 M / 10 M	
RST 8-282/...M	8	PUR, halogen-free	2 M / 5 M / 10 M	