

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

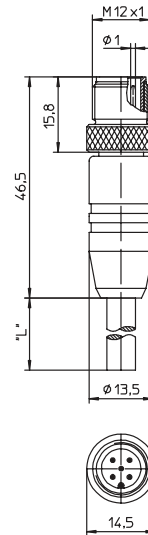
RSTS



**4-, 5-, and 8-Poles (Shielded)**

Actuator/sensor cordset, single-ended, M12, 4-, 5-, and 8-poles, male straight connector with threaded joint and molded cable, shielding connecting to knurled screw.

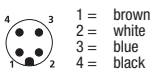
RSTS



**Pin Assignments**

M12 - Male

**4 poles**



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

**5 poles**



- 1 = brown
  - 2 = white
  - 3 = blue
  - 4 = black
  - 5 = grey
- contact 5 leading

**8 poles**



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



# Be Certain with Belden

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

### 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-nickeled and 0.8 microns gold-plated  
 Coupling nut CuZn, nickel-plated  
 Shield sleeve CuZn, nickel-plated  
 O-ring FKM

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4–5 poles 4 A  
 8 poles 2 A  
 Nominal voltage 4 poles 240 V  
 5 poles 60 V  
 8 poles 30 V  
 Rated voltage 4 poles 250 V  
 5 poles 63 V  
 8 poles 36 V  
 Test voltage 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
182	PVC, shielded	4 x 0.34 mm <sup>2</sup>	Orange	.217" (5.5 mm)
183	PVC, shielded	5 x 0.34 mm <sup>2</sup>	Orange	.236" (6.0 mm)
184	PVC, shielded	8 x 0.25 mm <sup>2</sup>	Orange	.260" (6.6 mm)
288	PUR, halogen-free, shielded	4 x 0.34 mm <sup>2</sup>	Black	.217" (5.5 mm)
298	PUR, halogen-free, shielded	5 x 0.34 mm <sup>2</sup>	Black	.236" (6.0 mm)
299	PUR, halogen-free, shielded	8 x 0.25 mm <sup>2</sup>	Black	.260" (6.6 mm)

Cordsets  
Single-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSTS 4-182/...M	4	PVC	2 M / 5 M / 10 M	
RSTS 4-288/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RSTS 5-183/...M	5	PVC	2 M / 5 M / 10 M	
RSTS 5-298/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RSTS 8-184/...M	8	PVC	2 M / 5 M / 10 M	
RSTS 8-299/...M		PUR, halogen-free	2 M / 5 M / 10 M	

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