

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

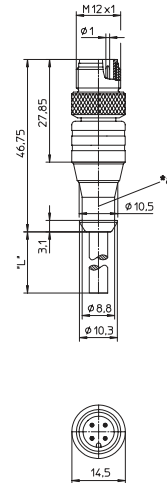
RST



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

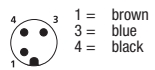


*a hose mounting

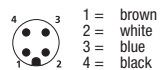
Pin Assignments

M12 - Male

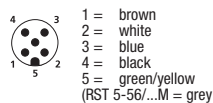
3 poles



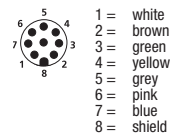
4 poles



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 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 > 10⁹ Ω
Pollution degree 3

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

Cable Specifications

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	
RST 8-344/...M		PUR, halogen-free	10 M	