

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

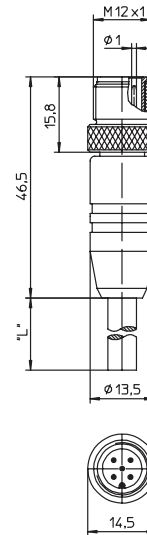
RSTS



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.

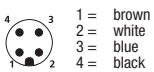
RSTS



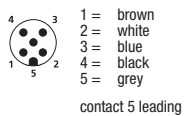
Pin Assignments

M12 - Male

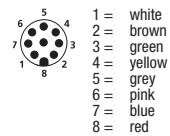
4 poles

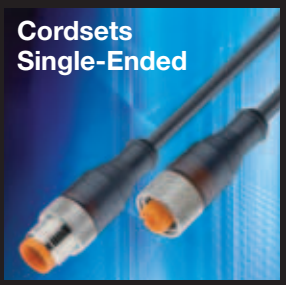


5 poles



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-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 > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
182	PVC, shielded	4 x 0.34 mm ²	Orange	.217" (5.5 mm)
183	PVC, shielded	5 x 0.34 mm ²	Orange	.236" (6.0 mm)
184	PVC, shielded	8 x 0.25 mm ²	Orange	.260" (6.6 mm)
288	PUR, halogen-free, shielded	4 x 0.34 mm ²	Black	.217" (5.5 mm)
298	PUR, halogen-free, shielded	5 x 0.34 mm ²	Black	.236" (6.0 mm)
299	PUR, halogen-free, shielded	8 x 0.25 mm ²	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	   