

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

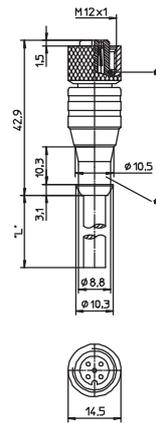
RKT | RKWT



**3-, 4-, 5-, 8-, and 12-Poles**

Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female straight connector with self-locking thread and molded cable.

RKT

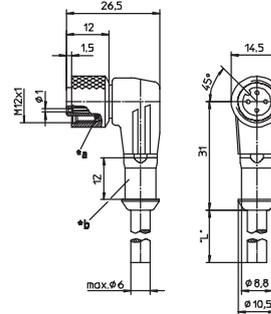


\*a O-ring  
\*b Hose mounting



Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female 90° connector with self-locking thread and molded cable.

RKWT

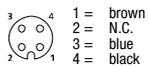


\*a O-ring  
\*b Hose mounting

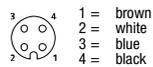
**Pin Assignments**

M12 - Male

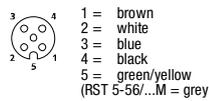
**3 poles**



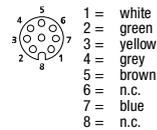
**4 poles**



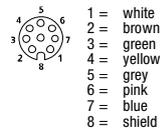
**5 poles**



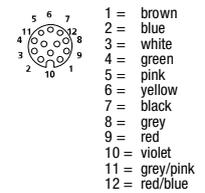
**6 poles**



**8 poles**



**12 poles**



# Be Certain with Belden

## Cordsets Single-Ended



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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 (12 poles: CuZn), pre-nickel and 0.3 microns gold-plated  
Coupling nut CuZn, nickel-plated  
O-ring FKM

##### Electrical

Contact resistance  $\leq 5 \text{ m}\Omega$   
Nominal current at 40°C 3–5 poles 4 A, 6–12 poles 2 A  
Rated voltage 3–4 poles 250 V  
5 poles 63 V, 6–12 poles 36 V

#### 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 0.25 mm <sup>2</sup>	Orange	.197" (5.0 mm)

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
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)
268	PUR, halogen-free welding spark proof	6 x 0.34 mm <sup>2</sup>	Orange	.236" (6.0 mm)
282	PUR, halogen-free	7 x 0.25 mm <sup>2</sup>	Black	.236" (6.0 mm)
337	PUR, halogen-free	6 x 0.34 mm <sup>2</sup>	Black	.236" (6.0 mm)
346	PUR, halogen-free	12 x 0.25 mm <sup>2</sup>	Black	.252" (6.4 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT 4-3-06/...M RKWT 4-3-06/...M	3	PVC	2 M / 5 M / 10 M	
RKT 4-3-224/...M RKWT 4-3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKT 4-3-260/...M RKWT 4-3-260/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 4-07/...M RKWT 4-07/...M	4	PVC	2 M / 5 M / 10 M	
RKT 4-225/...M RKWT 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKT 4-251/...M RKWT 4-251/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 5-56/...M RKWT 5-56/...M	5	PVC	2 M / 5 M / 10 M	
RKT 5-228/...M RKWT 5-228/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKT 5-259/...M RKWT 5-259/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 8-6-268/...M RKWT 8-6-268/...M	6	PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 8-6-337/...M RKWT 8-6-337/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 8-282/...M RKWT 8-282/...M	8	PUR, halogen-free	2 M / 5 M / 10 M	
RKT 12-346/...M RKWT 12-346/...M	12	PUR, halogen-free	2 M / 5 M / 10 M	

Cordsets  
Single-Ended