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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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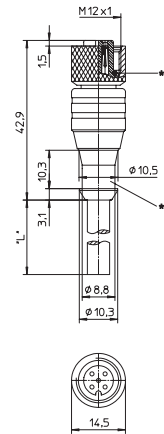


## M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101

**RKT | RKWT**


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

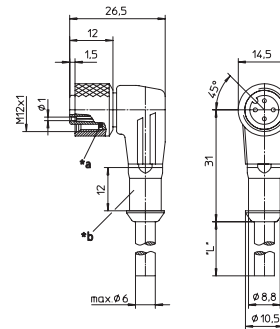
Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female straight connector with self-locking thread and molded cable.

**RKT**


\*a O-ring  
\*b Hose mounting

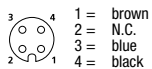
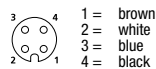
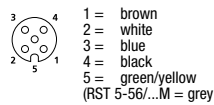
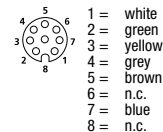
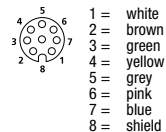
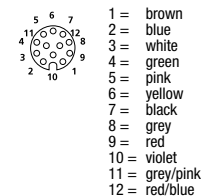


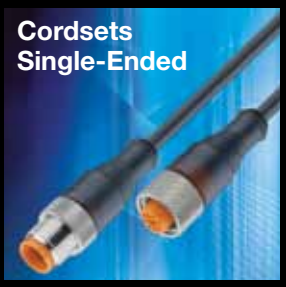
Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female 90° connector with self-locking thread and molded cable.

**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

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

RKT | RKWT

### 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-nickeled and 0.3 microns gold-plated  
 Coupling nut CuZn, nickel-plated  
 O-ring FKM

#### Electrical

Contact resistance ≤ 5 mΩ  
 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
<b>06</b>	<b>PVC</b>	3 x 0.34 mm <sup>2</sup>	Orange	.197" (5.0 mm)
<b>07</b>	<b>PVC</b>	4 x 0.25 mm <sup>2</sup>	Orange	.197" (5.0 mm)

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
<b>56</b>	<b>PVC</b>	5 x 0.34 mm <sup>2</sup>	Orange	.224" (5.7 mm)
<b>224</b>	<b>PUR, halogen-free</b>	3 x 0.34 mm <sup>2</sup>	Black	.169" (4.3 mm)
<b>225</b>	<b>PUR, halogen-free</b>	4 x 0.34 mm <sup>2</sup>	Black	.185" (4.7 mm)
<b>228</b>	<b>PUR, halogen-free</b>	5 x 0.50 mm <sup>2</sup>	Black	.213" (5.4 mm)
<b>251</b>	<b>PUR, halogen-free welding spark proof</b>	4 x 0.34 mm <sup>2</sup>	Orange	.185" (4.7 mm)
<b>259</b>	<b>PUR, halogen-free welding spark proof</b>	5 x 0.50 mm <sup>2</sup>	Orange	.217" (5.5 mm)
<b>260</b>	<b>PUR, halogen-free welding spark proof</b>	3 x 0.34 mm <sup>2</sup>	Orange	.177" (4.5 mm)
<b>268</b>	<b>PUR, halogen-free welding spark proof</b>	6 x 0.34 mm <sup>2</sup>	Orange	.236" (6.0 mm)
<b>282</b>	<b>PUR, halogen-free</b>	7 x 0.25 mm <sup>2</sup>	Black	.236" (6.0 mm)
<b>337</b>	<b>PUR, halogen-free</b>	6 x 0.34 mm <sup>2</sup>	Black	.236" (6.0 mm)
<b>348</b>	<b>PUR, halogen-free</b>	2 x 0.25 mm <sup>2</sup> 10 x 0.14 mm <sup>2</sup>	Black	.236" (6.0 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 12-348/...M	RKWT 12-348/...M	12	PUR, halogen-free	2 M / 5 M / 10 M	

Cordsets  
Single-Ended