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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, Double-Ended Cordsets, According to IEC 61076-2-101**

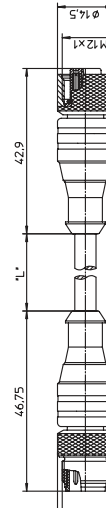
RST -RKT | RST-RKWT



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

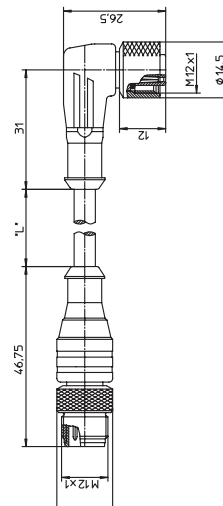
Actuator/sensor cordset, double-ended, M12, 3-, 4-, 5-, and 8-poles, male straight to female straight connector with self-locking thread and molded cable, IEC color code.

RST-RKT



Actuator/sensor cordset, double-ended, M12, 3-, 4-, 5-, and 8-poles, male straight to female 90° connector with self-locking thread and molded cable, IEC color code.

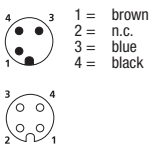
RST-RKWT



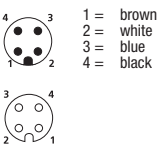
**Pin Assignments**

M12

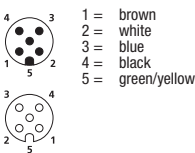
**3 poles**



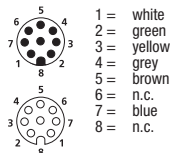
**4 poles**



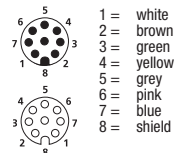
**5 poles**



**6 poles**



**8 poles**



# Be Certain with Belden

## M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101 RST-RKT | RST-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 RST: CuSn, pre-nickel and 0.8 microns gold-plated  
RKT / RKWT: CuSn, pre-nickel and 0.3 microns gold-plated  
Coupling nut CuZn, nickel-plated  
O-ring FKM (only RKT / RKWT)

#### Electrical

Contact resistance ≤ 5 mΩ  
Nominal current at 40°C 3–5 poles 4 A  
6–8 poles 2 A  
Nominal voltage 3–4 poles 240 V  
5 poles 60 V, 6–8 poles 30 V  
Rated voltage 3–4 poles 250 V  
5 poles 63 V, 6–8 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 > 10<sup>9</sup> Ω  
Pollution degree 3

### Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
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)
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)

Flex rating for 224/225/228 cable  
C-Track flexing: Greater than 5 million bending cycles  
Torsion flexing: > 5 million cycles guaranteed – +/- 360° per 1 m length

Cordsets  
Double-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3-RKT 4-3-224/...M RST 3-RKWT 4-3-224/...M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 4-RKT 4-225/...M RST 4-RKWT 4-225/...M	4	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 4-RKT 4-251/...M		PUR, halogen-free, weld spark proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 5-RKT 5-228/...M	5	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 5-RKT 5-259/...M		PUR, halogen-free, weld spark proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 8-RKT 8-6-268/...M RST 8-RKWT 8-6-268/...M	6	PUR, halogen-free, weld spark proof	2 M / 5 M / 10 M	
RST 8-RKT 8-6-337/...M RST 8-RKWT 8-6-337/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RST 8-RKT 8-282/...M RST 8-RKWT 8-282/...M	8	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	