Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

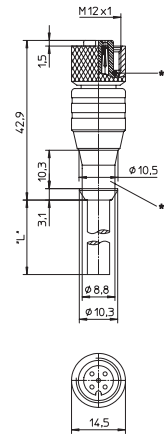## M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101

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.
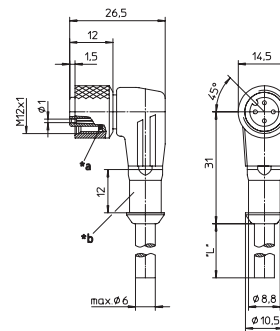
RKT

M12 x1

*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.
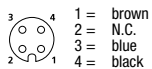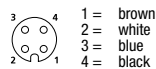
RKWT

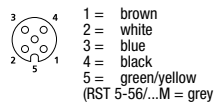*a O-ring
* b Hose mounting

Pin Assignments

M12 - Male

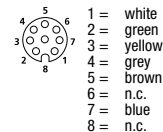| 3 poles	4 poles	5 poles	6 poles	8 poles	12 poles
1 = brown	1 = brown	1 = brown	1 = white	1 = white	1 = brown
2 = N.C.	2 = white	2 = white	2 = green	2 = brown	2 = blue
3 = blue	3 = blue	3 = blue	3 = yellow	3 = green	3 = white
4 = black	4 = black	4 = black	4 = grey	4 = yellow	4 = green
		5 = green/yellow	5 = brown	5 = grey	5 = pink
		(RST 5-56/...M = grey	6 = n.c.	6 = pink	6 = yellow
			7 = blue	7 = blue	7 = black
			8 = n.c.	8 = shield	8 = grey
					9 = red
					10 = violet
					11 = grey/pink
					12 = red/blue
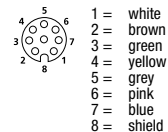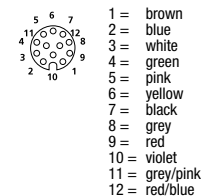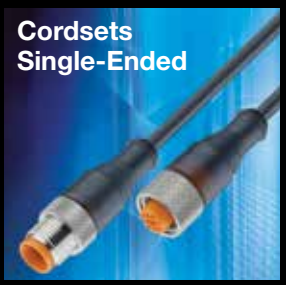
Be Certain with Belden

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
06	PVC	**3** x 0.34 mm^2	Orange	.197" (5.0 mm)
07	PVC	**4** x 0.25 mm^2	Orange	.197" (5.0 mm)

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