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

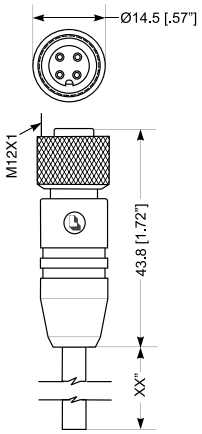
RKT | RKWT



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

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

RKT

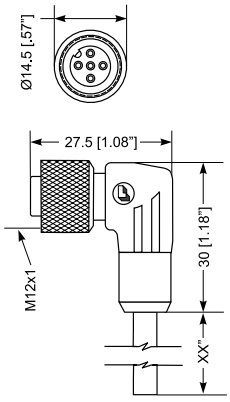




Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, and 8-poles, female 90° connector with self-locking thread and molded cable.

— RKWT 8-627 has black cable and overmolde —

RKWT



Pin Assignments

M12 - Male

3 poles





1 = brown
2 = n.c.
3 = blue
4 = black

4 poles



1 = brown
2 = white
3 = blue
4 = black

5 poles

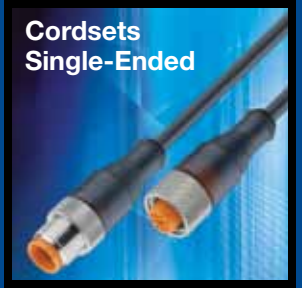


1 = brown
2 = white
3 = blue
4 = black
5 = grey

8 poles



1 = white
2 = brown
3 = green
4 = yellow
5 = grey
6 = pink
7 = blue
8 = red



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	PUR: -40°C (-40°F) / +80°C (176°F) PVC: -40°C (-40°F) / +90°C (194°F) TPE: -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body	TPU, yellow RST 8-627: PUR, black
Insert	TPU, Yellow RST 8-627: PUR, orange
Contact	CuSn, gold over nickel-plated
Coupling nut	CuZn, nickel-plated
O-ring	FKM

Electrical

Current rating	4 A
Voltage rating	250 V RST 8-627: 60 V AC /75 V DC

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD
602	**PUR**	**18**AWG	Yellow	.230" (5.8 mm)
Continuous flex rating and suitable for general C-track usage. 1 million cycles at minimum bend radius 10X cable diameter.				
610	**PUR**	**22**AWG	Yellow	.190" (4.8 mm)
612	**PVC**	**22**AWG	Yellow	.210" (5.3 mm)
627	**PVC**	**24**AWG	Black	.232" (5.9 mm)
632	**PVC**	**22**AWG	Yellow	.190" (4.8 mm)
633	**PVC**	**22**AWG	Yellow	.190" (4.8 mm)
637	**TPE**	**18**AWG	Yellow	.280" (7.1 mm)
643	**TPE**	**22**AWG	Yellow	.246" (6.2 mm)
644	**PUR**	**22**AWG	Yellow	.210" (5.3 mm)
645	**PUR**	**18**AWG	Yellow	.220" (5.6 mm)
679	**PUR**	**22**AWG	Yellow	.190" (4.8 mm)
731	**TPE**	**18**AWG	Yellow	.261" (6.6 mm)

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT 4-3-731/...M	RKWT 4-3-731/...M	**3**	TPE	2 M / 5 M / 10 M	
RKT 4-3-632/...M	RKWT 4-3-632/...M		PVC	2 M / 5 M / 10 M	
RKT 4-3-645/...M	RKWT 4-3-645/...M		PUR	2 M / 5 M / 10 M	
RKT 4-3-610/...M	RKWT 4-3-610/...M		PUR	2 M / 5 M / 10 M	
RKT 4-637/...M	RKWT 4-637/...M	**4**	TPE	2 M / 5 M / 10 M	
RKT 4-633/...M	RKWT 4-633/...M		PVC	2 M / 5 M / 10 M	
RKT 4-643/...M	RKWT 4-643/...M		TPE	2 M / 5 M / 10 M	
RKT 4-602/...M	RKWT 4-602/...M		PUR	1 M / 2 M / 5 M / 10 M	
RKT 4-679/...M	RKWT 4-679/...M		PUR	2 M / 5 M / 10 M	
RKT 5-612/...M	RKWT 5-612/...M	**5**	PVC	2 M / 5 M / 10 M	
RKT 5-644/...M	RKWT 5-644/...M		PUR	2 M / 5 M / 10 M	
RKT 8-627/...M	RKWT 8-627/...M	**8**	PVC	2 M / 5 M / 10 M	