

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

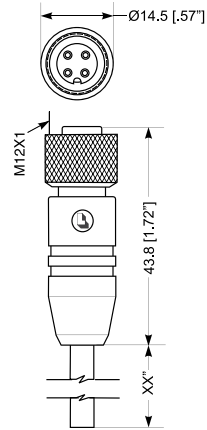
RKT | RKWT



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.

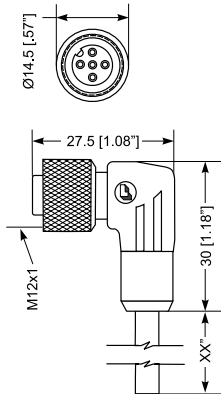
RKT



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 overmold –

RKWT



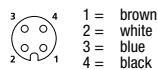
Pin Assignments

M12 - Male

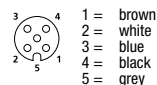
3 poles



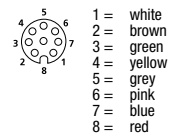
4 poles



5 poles



8 poles





Be Certain with Belden

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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 Viton

Electrical

Current rating 4 A
 Voltage rating 250 V
 RKT 8-627: 60 V AC / 75 V DC
 RKT 5-713 / RKWT 5-713: 63V

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD
602	PUR	18AWG	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	22AWG	Yellow	.190" (4.8 mm)
612	PVC	22AWG	Yellow	.210" (5.3 mm)
627	PVC	24AWG	Black	.232" (5.9 mm)
632	PVC	22AWG	Yellow	.190" (4.8 mm)
633	PVC	22AWG	Yellow	.190" (4.8 mm)
637	TPE	18AWG	Yellow	.280" (7.1 mm)
643	TPE	22AWG	Yellow	.246" (6.2 mm)
644	PUR	22AWG	Yellow	.210" (5.3 mm)
645	PUR	18AWG	Yellow	.220" (5.6 mm)
679	PUR	22AWG	Yellow	.190" (4.8 mm)
713	TPE	22AWG	Yellow	.280" (7.1 mm)
731	TPE	18AWG	Yellow	.261" (6.6 mm)

Cordsets
Single-Ended

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 5-713/...M RKWT 5-713/...M		TPE	2 M / 5 M / 10 M	
RKT 8-627/...M RKWT 8-627/...M	8	PVC	2 M / 5 M / 10 M	