

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

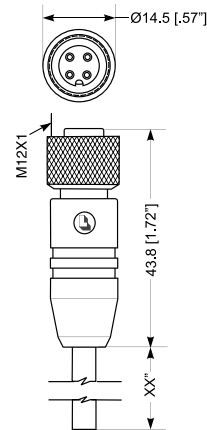
RKT | RKWT



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.

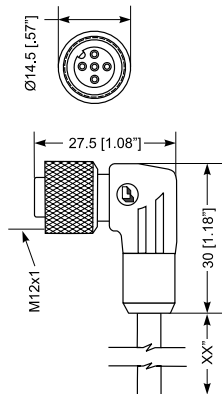
RKT



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



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

4 poles



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

5 poles



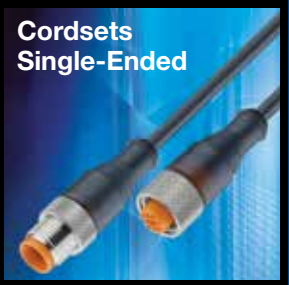
1 = brown
2 = white
3 = blue
4 = black
5 = grey

8 poles



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

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
Operating temperature rangeIP 67 / NEMA 6P
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)

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		PVC	2 M / 5 M / 10 M	
RKT 5-644/...M	RKWT 5-644/...M	5	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		PVC	2 M / 5 M / 10 M	