

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

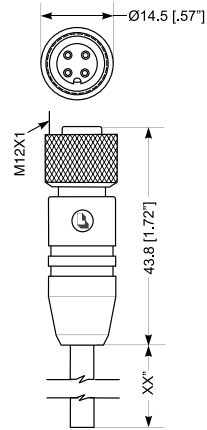
RKT | RKWT



**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.

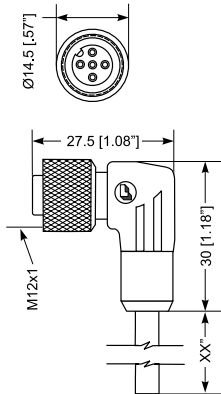
RKT



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



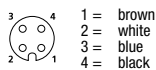
**Pin Assignments**

M12 - Male

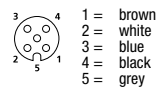
**3 poles**



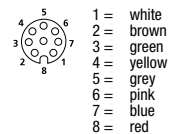
**4 poles**



**5 poles**



**8 poles**





# 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  
 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	18AWG	Yellow	.230" (5.8 mm)
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)
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 8-627/...M RKWT 8-627/...M	8	PVC	2 M / 5 M / 10 M	