

## 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 8-627 has black cable and overmold —

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 —

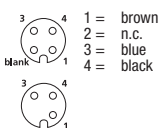
RKWT



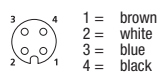
## Pin Assignments

### M12 - Female

#### 3 poles



#### 4 poles



#### 5 poles (794)



#### 5 poles (all others)



#### 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	PUR, yellow RKT/RKWT 8-627: PUR, black
Insert	PUR, Yellow RKT/RKWT 8-627/727: PUR, orange
Contacts	CuSn, gold over nickel-plated
Coupling nut	CuZn, nickel-plated
O-ring	FKM or Viton

#### Electrical

Current rating	4 A
RKT/RKWT 8-XXX:	1.5A

#### Voltage rating

	250 V
RKT/RKWT 8-XXX:	30 V AC /36 V DC

### Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD
<b>602</b>	<b>PUR</b>	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.				
<b>610</b>	<b>PUR</b>	22AWG	Yellow	.190" (4.8 mm)
<b>612</b>	<b>PVC</b>	22AWG	Yellow	.210" (5.3 mm)
<b>627</b>	<b>PVC</b>	24AWG	Black	.232" (5.9 mm)
<b>632</b>	<b>PVC</b>	22AWG	Yellow	.190" (4.8 mm)
<b>633</b>	<b>PVC</b>	22AWG	Yellow	.190" (4.8 mm)
<b>637</b>	<b>TPE/PLTC</b>	18AWG	Yellow	.280" (7.1 mm)
<b>643</b>	<b>TPE/PLTC</b>	22AWG	Yellow	.246" (6.2 mm)
<b>644</b>	<b>PUR</b>	22AWG	Yellow	.210" (5.3 mm)
<b>645</b>	<b>PUR</b>	18AWG	Yellow	.220" (5.6 mm)
<b>679</b>	<b>PUR</b>	22AWG	Yellow	.190" (4.8 mm)
<b>713</b>	<b>TPE/PLTC</b>	22AWG	Yellow	.280" (7.1 mm)
<b>727</b>	<b>TPE/PLTC</b>	22AWG	Yellow	.335" (8.5 mm)
<b>731</b>	<b>TPE/PLTC</b>	18AWG	Yellow	.261" (6.6 mm)
<b>794</b>	<b>TPE/PLTC</b>	18AWG	Yellow	.304" (7.7 mm)

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT 4-3-731/...M	RKWT 4-3-731/...M	3	TPE/PLTC	2M / 5M / 10M	
RKT 4-3-632/...M	RKWT 4-3-632/...M		PVC	2M / 5M / 10M	
RKT 4-3-645/...M	RKWT 4-3-645/...M		PUR	2M / 5M / 10M	
RKT 4-3-610/...M	RKWT 4-3-610/...M		PUR	2M / 5M / 10M	
RKT 4-637/...M	RKWT 4-637/...M	4	TPE/PLTC	2M / 5M / 10M	
RKT 4-633/...M	RKWT 4-633/...M		PVC	2M / 5M / 10M	
RKT 4-643/...M	RKWT 4-643/...M		TPE/PLTC	2M / 5M / 10M	
RKT 4-602/...M	RKWT 4-602/...M		PUR	1M / 2M / 5M / 10M	
RKT 4-679/...M	RKWT 4-679/...M		PUR	2M / 5M / 10M	
RKT 5-612/...M	RKWT 5-612/...M	5	PVC	2M / 5M / 10M	
RKT 5-644/...M	RKWT 5-644/...M		PUR	2M / 5M / 10M	
RKT 5-713/...M	RKWT 5-713/...M		TPE/PLTC	2M / 5M / 10M	
RKT 5-794/...M	RKWT 5-794/...M		TPE/PLTC	2M / 5M / 10M	
RKT 8-627/...M	RKWT 8-627/...M	8	PVC	2M / 5M / 10M	
RKT 8-727/...M	RKWT 8-727/...M		TPE/PLTC	2M / 5M / 10M	