

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

RKT | RKWT

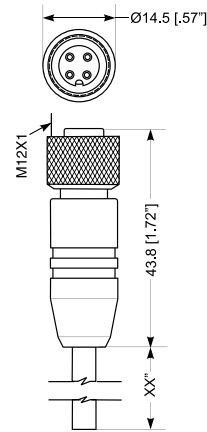


### 3-, 4-, 5-, and 8-Poles

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

– RST 8-627 has black cable and overmold –

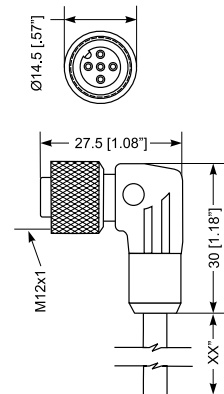
RKT



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 –

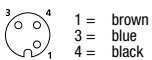
RKWT



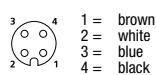
### Pin Assignments

#### M12 - Male

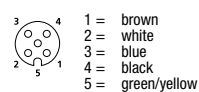
##### 3 poles



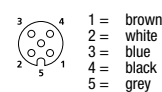
##### 4 poles



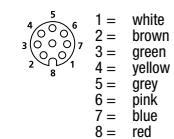
##### 5 poles (794)



##### 5 poles (all others)



##### 8 poles





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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	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 5-Pole: 60V 8-Pole: 30 V AC /36 V DC

### Cable Specifications

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

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT 4-3-731/...M    RKWT 4-3-731/...M	<b>3</b>	TPE/PLTC	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	<b>4</b>	TPE/PLTC	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/PLTC	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	<b>5</b>	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/PLTC	2 M / 5 M / 10 M	
RKT 5-794/...M    RKWT 5-794/...M		TPE/PLTC	2 M / 5 M / 10 M	
RKT 8-627/...M    RKWT 8-627/...M	<b>8</b>	PVC	2 M / 5 M / 10 M	
RKT 8-727/...M    RKWT 8-727/...M		TPE/PLTC	2 M / 5 M / 10 M	