

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

RST

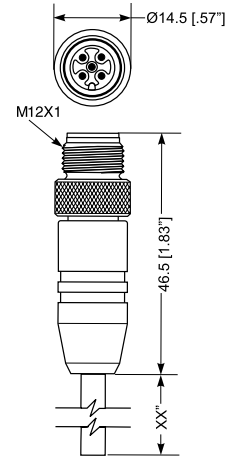


RST 8-627

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

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

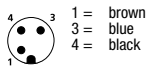
RST



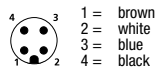
**Pin Assignments**

**M12 - Male**

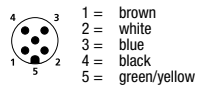
**3 poles**



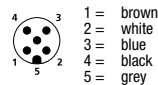
**4 poles**



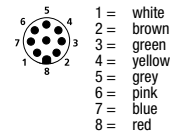
**5 poles (794)**



**5 poles (all others)**



**8 poles**





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

### 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 RST 8-627: PUR, black
Insert	PUR, Yellow RST 8-627/727: PUR, orange
Contacts	CuSn, gold over nickel-plated
Coupling nut	CuZn, nickel-plated

#### Electrical

Current rating	4 A
RST 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
RST 3-731/...M	3	TPE/PLTC	2 M / 5 M / 10 M	
RST 3-632/...M		PVC	2 M / 5 M / 10 M	
RST 3-645/...M		PUR	2 M / 5 M / 10 M	
RST 3-610/...M		PUR	2 M / 5 M / 10 M	
RST 4-637/...M	4	TPE/PLTC	2 M / 5 M / 10 M	
RST 4-633/...M		PVC	2 M / 5 M / 10 M	
RST 4-643/...M		TPE/PLTC	2 M / 5 M / 10 M	
RST 4-602/...M		PUR	2 M / 5 M / 10 M	
RST 4-679/...M		PUR	2 M / 5 M / 10 M	
RST 5-612/...M	5	PVC	2 M / 5 M / 10 M	
RST 5-644/...M		PUR	2 M / 5 M / 10 M	
RST 5-713/...M		TPE/PLTC	2 M / 5 M / 10 M	
RST 5-794/...M		TPE/PLTC	2 M / 5 M / 10 M	
RST 8-627/...M	8	PVC	2 M / 5 M / 10 M	
RST 8-727/...M		TPE/PLTC	2 M / 5 M / 10 M	