



**Product:** [RST 8-627](#) 

M12 Micro actuator/sensor cordset, single-ended, 8-poles, male straight connector with self-locking thread and black 24 gauge PVC molded cable."

## Product Description

M12 Micro actuator/sensor cordset, single-ended, 8-poles, male straight connector with self-locking thread and black 24 gauge PVC molded cable."

## Technical Specifications

### Technical Data

Side 1 Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Side 1 Type of Contact/Gender:	Male
Connector Design:	Straight
Number of Pins:	8
Coding, Side 1:	A
Attachment Type:	Coupling Screw
Voltage Rating:	33 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	33 V AC/DC
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP67
Side 1 Design Standard:	IEC 61076-2-101
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

### Materials

Contact Base Material:	CuZn
Side 1 Contact Plating:	Cu/Au
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated

### Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
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### Cable Data

Cable Number:	627
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Conductor Size:	24 AWG
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1 M
Conductor Material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	Gray
Cable Diameter D:	0.237"
Wire Insulation Material:	PVC
Insulated Wire Diameter:	.043"
UL Cable Type:	AWM 2661
Flammability Class (Cable Jacket):	FT-1
Cable Characteristics:	Good chemical and oil resistance

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-4
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## Notes

Note Derating:	Notice derating
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## History

Update and Revision:	Revision Number: 0.32 Revision Date: 05-26-2026
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## Variants

Item #	Item Description
600001982	RST 8-627/2M
600001983	RST 8-627/5M
600001984	RST 8-627/10M
600004608	RST 8-627/1M
600005526	RST 8-627/15M
600006518	RST 8-627/30M

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