

# Sensor/Actuator cable - SAC-5P-M12MR/ 2,0-920/ M12FR - 1543935

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Sensor/Actuator cable, 5-position, PUR, Violet, RAL 4001, Plug angled M12, on Socket angled M12, Cable length: 2 m

## Key commercial data

package_quantity	1
GTIN	4046356103060

## Technical data

### Dimensions

Length of cable	2 m
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### General

Number of positions	5
Insertion/withdrawal cycles	≥ 100

### Cable

Cable type	CAN Bus/DeviceNet
Conductor cross section	0.2 mm <sup>2</sup> (signal line)
Conductor cross section	0.32 mm <sup>2</sup> (Power supply)
Conductor cross section	0.32 mm <sup>2</sup> (Drain wire)
AWG signal line	24
AWG power supply	22
Conductor structure signal line	19x 0.12 mm
Conductor structure, voltage supply	19x 0.15 mm
Core diameter including insulation	2.05 mm ±0.1 mm (signal line)
Core diameter including insulation	1.4 mm ±0.05 mm (Power supply)
Wire colors	Red-black, blue-white
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 pairs around a drain wire in the center to the core
Shielding	Tinned copper braided shield
Optical shield covering	70 %
External sheath, color	Violet, RAL 4001

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## Technical data

### Cable

External cable diameter	6.70 mm
Smallest bending radius, fixed installation	67 mm
Smallest bending radius, movable installation	67 mm
Number of bending cycles	5000000
Bending radius	67 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	7 m/s <sup>2</sup>
Outer sheath, material	PUR
Material conductor insulation	PE (Power supply)
Material conductor insulation	Foamed PE (signal line)
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 5 GΩ*km (signal line)
Insulation resistance	≥ 100 MΩ*km (Power supply)
Conductor resistance	≤ 78.4 Ω/km (signal line)
Conductor resistance	≥ 51.6 Ω/km (Power supply)
Working capacitance	39.3 pF (Signal line, Core-Core)
Working capacitance	78.7 pF (Signal line, Core-Shield)
Nominal voltage, cable	300 V (Power supply)
Nominal voltage, cable	30 V (signal line)
Test voltage, cable	1500 V (signal line)
Test voltage, cable	2000 V (Power supply)

## classifications

### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

### ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

### UNSPSC

UNSPSC 6.01	31251501
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## classifications

### UNSPSC

UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Drawings

### Circuit diagram

