

## Sensor/actuator cable - SAC-4P-M8MS/2-PUR/3PFSSH CH-SD - 1419506

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Sensor/actuator cable

RoHS

### Key Commercial Data

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| Packing unit           | 1 pc                                                                                                  |
| Minimum order quantity | 50 pc                                                                                                 |
| GTIN                   | <br>4 055626 168753 |
| GTIN                   | 4055626168753                                                                                         |

### Technical data

#### General

|               |         |
|---------------|---------|
| Rated voltage | 48 V AC |
|               | 60 V DC |

#### Cable

|                                             |                                       |
|---------------------------------------------|---------------------------------------|
| Cable type                                  | PUR halogen-free black                |
| Cable type (abbreviation)                   | PUR                                   |
| Cable abbreviation                          | LiF9YC11Y                             |
| UL AWM style                                | 20549                                 |
| Conductor cross section                     | 4x 0.25 mm <sup>2</sup> (Signal line) |
| AWG signal line                             | 24                                    |
| Conductor structure signal line             | 32x 0.10 mm                           |
| Core diameter including insulation          | 1.17 mm ±0.02 mm (Signal line)        |
| Thickness, insulation                       | ≥ 0.21 mm (Core insulation)           |
|                                             | approx. 0.5 mm (Outer cable sheath)   |
| Wire colors                                 | brown, white, blue, black             |
| Overall twist                               | 4 wires, twisted                      |
| Shielding                                   | Braided copper wires                  |
| Optical shield covering                     | 80 %                                  |
| External sheath, color                      | black-gray RAL 7021                   |
| External cable diameter D                   | 4.7 mm ±0.15 mm                       |
| Smallest bending radius, fixed installation | 24 mm                                 |

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## Technical data

### Cable

|                                               |                                                                     |
|-----------------------------------------------|---------------------------------------------------------------------|
| Smallest bending radius, movable installation | 48 mm                                                               |
| Number of bending cycles                      | 10000000                                                            |
| Bending radius                                | 48 mm                                                               |
| Traversing path                               | 10 m                                                                |
| Traversing rate                               | 3 m/s                                                               |
| Acceleration                                  | 10 m/s <sup>2</sup>                                                 |
| Cable weight                                  | 31 kg/km                                                            |
| Outer sheath, material                        | PUR                                                                 |
| Material conductor insulation                 | PP                                                                  |
| Conductor material                            | Bare Cu litz wires                                                  |
| Insulation resistance                         | ≥ 100 GΩ*km (at 20 °C)                                              |
| Conductor resistance                          | max. 78 Ω/km (at 20 °C)                                             |
| Nominal voltage, cable                        | ≤ 300 V                                                             |
| Test voltage, cable                           | ≥ 3000 V                                                            |
| Special properties                            | Flexible cable conduit capable                                      |
|                                               | Silicone-free                                                       |
|                                               | Free of substances which would hinder coating with paint or varnish |
| Flame resistance                              | in accordance with UL 758/1581 FT2                                  |
|                                               | DIN EN 60332-2-2 (20 s)                                             |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815                            |
| Resistance to oil                             | in accordance with DIN EN 60811-2-1                                 |
| Other resistance                              | Highly resistant to acids, alkaline solutions and solvents          |
|                                               | hydrolysis and microbe resistant                                    |
|                                               | partly UV-resistant in accordance with DIN EN ISO 4892-2-A          |
| Ambient temperature (operation)               | -40 °C ... 80 °C (cable, fixed installation)                        |
|                                               | -25 °C ... 80 °C (cable, flexible installation)                     |

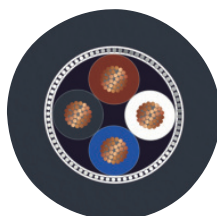
### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

# Sensor/actuator cable - SAC-4P-M8MS/2-PUR/3PFSSH CH-SD - 1419506

Cable cross section



PUR halogen-free black [PUR]

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

### Approval details

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Listed          |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
|                    |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                     | 125 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                     | 4 A                                                                                                                                                   |               |

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Listed         |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
|                    |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                     | 125 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                     | 4 A                                                                                                                                                   |               |

|              |                                                                                     |  |  |
|--------------|-------------------------------------------------------------------------------------|--|--|
| cULus Listed |  |  |  |
|--------------|-------------------------------------------------------------------------------------|--|--|

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