


## Sensor/actuator cable - SAC-3P-10,0-PVC/M 8FR BK VA - 1401476

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Sensor/actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Socket angled M8, A-coded, cable length: 10 m

### Key Commercial Data

|                        |   |
|------------------------|---|
| Packing unit           | 1 pc  |
| Minimum order quantity | 50 pc   |
| GTIN                   | <br>4 046356 557368 |
| GTIN                   | 4046356557368   |

### Technical data

#### Dimensions

|  |       |
|--|-------|
| Length of cable                            | 10 m  |
| Stripping length of the free conductor end | 50 mm |

#### Ambient conditions

|                      |       |
|----------------------|-------|
| Degree of protection | IP65  |
|                      | IP67  |
|                      | IP68  |
|                      | IP69K |

#### General

|                       |              |
|-----------------------|--------------|
| Rated current at 40°C | 4 A          |
| Rated voltage         | 48 V AC      |
|                       | 60 V DC      |
| Number of positions   | 3            |
| Insulation resistance | ≥ 100 MΩ     |
| Coding                | A - standard |
| Status display        | No           |
| Overvoltage category  | II           |
| Degree of pollution   | 3            |

#### Material

|  |      |
|--|------|
| Flammability rating according to UL 94 | HB   |
| Contact material                       | CuSn |

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## Technical data

### Material

|                          |   |
|--------------------------|---|
| Contact surface material | Ni/Au                                       |
| Contact carrier material | TPU GF                                      |
| Material of grip body    | TPU, hardly inflammable, self-extinguishing |
| Material, knurts         | Stainless steel                             |
| Sealing material         | NBR   |

### Standards and Regulations

|  |    |
|--|----|
| Flammability rating according to UL 94 | HB |
|--|----|

### Cable

|                                    |  |
|------------------------------------|--|
| Cable type                         | PVC black                                      |
| Cable type (abbreviation)          | PVC  |
| Cable abbreviation                 | LiYY   |
| Conductor cross section            | 3x 0.25 mm <sup>2</sup> (Signal line)          |
| AWG signal line                    | 24   |
| Conductor structure signal line    | 32x 0.10 mm                                    |
| Core diameter including insulation | 1.25 mm ±0.02 mm                               |
| Thickness, insulation              | ≥ 0.23 mm (Core insulation)                    |
| Wire colors                        | brown, blue, black                             |
| Overall twist                      | 3 wires, twisted                               |
| External sheath, color             | black RAL 9005                                 |
| Outer sheath thickness             | ≥ 0.76 mm                                      |
| External cable diameter D          | 4.4 mm ±0.15 mm                                |
| Cable weight                       | 29 kg/km                                       |
| Outer sheath, material             | PVC  |
| Material conductor insulation      | PVC  |
| Conductor material                 | Bare Cu litz wires                             |
| Insulation resistance              | ≥ 100 MΩ*km (at 20 °C)                         |
| Conductor resistance               | max. 78 Ω/km (at 20 °C)                        |
| Nominal voltage, cable             | ≥ 300 V  |
| Test voltage, cable                | ≤ 3000 V                                       |
| Flame resistance                   | As per UL-Style 2464                           |
| Ambient temperature (operation)    | -25 °C ... 80 °C (cable, fixed installation)   |
|                                    | -5 °C ... 80 °C (cable, flexible installation) |

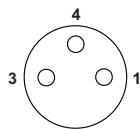
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

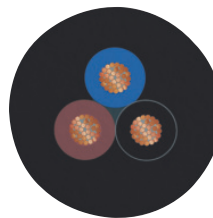
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Schematic diagram



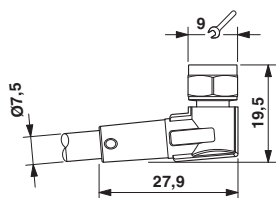
Pin assignment M8 socket, 3-pos., view female side

Cable cross section



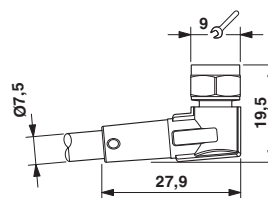
PVC black [PVC]

Dimensional drawing

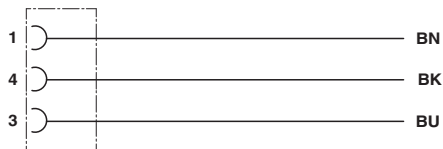


Socket M8 x 1, angled

Dimensional drawing



Circuit diagram



Contact assignment of M8 socket

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