

1509584

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Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 15 m

Your advantages

· Easy and safe: 100 % electrically tested plug-in components

Commercial data

| Item number | 1509584 |
|--------------------------------------|---------------------|
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF03 |
| Product key | BF1CCA |
| Catalog page | Page 440 (C-2-2019) |
| GTIN | 4017918899226 |
| Weight per piece (including packing) | 857.8 g |
| Weight per piece (excluding packing) | 855.5 g |
| Customs tariff number | 85444290 |
| Country of origin | PL |



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Technical data

Product properties

| Product type | Sensor/actuator cable |
|----------------------------|-----------------------|
| Application | Standard |
| Number of positions | 4 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |
| Insulation characteristics | |
| Overvoltage category | 11 |
| Degree of pollution | 3 |

Material specifications

| Flammability rating according to UL 94 | HB |
|--|---|
| Seal material | NBR |
| Material of grip body | TPU, hardly inflammable, self-extinguishing |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material for screw connection | Zinc die-cast, nickel-plated |

Electrical properties

| Insulation resistance | ≥ 100 MΩ |
|--------------------------------|----------|
| Nominal voltage U _N | 250 V AC |
| | 250 V DC |
| Nominal current I _N | 4 A |

Mechanical properties

Connection 1

| Mechanical data | |
|-----------------------------|--------|
| Insertion/withdrawal cycles | ≥ 100 |
| | |
| Signaling | |
| Status display | No |
| Status display present | No |
| Connection data | |
| Conductor connection | |
| Tightening torque | 0.4 Nm |
| Connector | |



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| Туре | Plug straight M12 |
|--------------------------|---------------------|
| Number of positions | 4 |
| | A |
| Coding type | A |
| Coding type Connection 2 | A |
| | Socket straight M12 |

Cable/line

Coding type

| Cable length | 15 m |
|--------------|------|
| | |

А

PUR POWER 0.75 mm² black [186]

Dimensional drawing



| Cable weight | 57 kg/km |
|---|--|
| UL AWM Style | 20549 / 1061 (80°C/300 V) |
| Number of positions | 4 |
| Shielded | no |
| Cable type | PUR POWER 0.75 mm ² black [186] |
| Conductor structure signal line | 42x 0.15 mm |
| AWG signal line | 18 |
| Conductor cross section | 4x 0.75 mm ² (power line) |
| Wire diameter incl. insulation | 1.75 mm ±0.05 mm |
| External cable diameter | 5.90 mm ±0.15 mm |
| Outer sheath, material | PUR |
| External sheath, color | black-gray RAL 7021 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | brown, white, blue, black |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) |
| | ≥ 0.76 mm (Outer cable sheath) |
| Overall twist | 4 wires, twisted |
| Max. conductor resistance | max. 26 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 1 MΩ*km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V |
| Test voltage | ≥ 3000 V |
| Minimum bending radius, fixed installation | 5 x D |
| Minimum bending radius, flexible installation | 10 x D |



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| Smallest bending radius, fixed installation | 30 mm |
|---|---|
| Smallest bending radius, movable installation | 59 mm |
| Max. bending cycles | 2000000 |
| Flame resistance | according to UL 758/1581 (horizontal) |
| | in accordance with UL 758/1581 FT2 |
| Resistance to oil | According to DIN EN 60811-2-1, 168 h at 100°C |
| Other resistance | hydrolysis and microbe resistant |
| | Low adhesion |
| | abrasion-resistant |
| | Resistant to salt water |
| Ambient temperature (operation) | -25 °C 80 °C (cable, fixed installation) |
| | -5 °C 80 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

| Degree of protection | IP65 |
|---------------------------------|--|
| | IP67 |
| | IP68 |
| Ambient temperature (operation) | -25 °C 90 °C (Plug / socket) |
| | -25 °C 80 °C (cable, fixed installation) |
| | -5 °C 80 °C (Cable, flexible installation) |

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