## Product description

- Sensor/actuator cable, 3-pol, PUR halogen-free, black
- Straight M12-jack on free conductor end
- 2 LEDs



## General characteristics

| | |
|---|---|
| Number of pins | 3 |
| Ambient temperature | -25 °C to +90 °C (-13°F to 194°F) (plug / jack)<br>-40 °C to +80 °C (-40°F to 176°F) (cable, fixed installation)<br>-25 °C to +80 °C (-13°F to 176°F) (cable, movable installation) |
| Degree of protection | IP65 / IP67 / IP68 |
| Coding | A-standard |
| Tightening torque | 0,4 Nm (M12-connector) |
| Plugging cycles | ≥ 100 |

## Variation

| Article number | Description | Length [m] | Configuration |
|---|---|---|---|
| 22260252 | AB-C3-2,0PUR-M12FS-2L | 2 | straight |
| 22260265 | AB-C3-5,0PUR-M12FS-2L | 5 | straight |
| 22260266 | AB-C3-10,0PUR-M12FS-2L | 10 | straight |
| 22260912 | AB-C3-15,0PUR-M12FS-2L | 15 | straight |

**Additional note**

Data sheet also valid for variant lengths. Other lengths on request.

## Electrical properties

| | |
|---|---|
| Rated voltage | 24 V DC |
| Rated current | 4 A |
| Overvoltage category | II |
| Pollution degree | 3 |

## Mechanical properties

**Jack**

| | |
|---|---|
| Inflammability class in accordance with UL 94 | HB |
| Contact, material | CuSn |
| Contact carrier, material | TPU GF |
| Contact surface, material | Ni/Au |
| Knurl, material | Zinc diecasting, nickel-plated |
| Handle, material | TPU, flame retardant, self-extinguishing |
| Sealing, material | NBR |



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**Line**

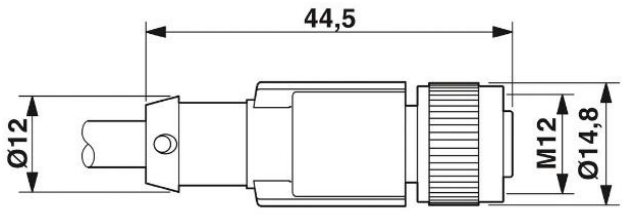
| | |
|---|---|
| Cable construction | 3 x AWG22/42 |
| Signal line, construction | 42 x 0,1 mm |
| Conductor cross-section | 0,34 mm² |
| Conductor diameter including isolation | 1,27 mm ± 0,02 mm |
| Cable outer diameter D | 4,4 mm ± 0,15mm |
| Insulation color | brown, blue, black |
| Sheath color | grey-black, RAL 7021 |
| Number of bending cycles | 10.000.000 |
| Bending radius | 44 mm |
| Traveling distance | 10 m |
| Traveling speed | 3 m/s |
| Acceleration | 10 m/s² |
| Cable weight | 23 kg/km |
| Outer coating, material | PUR |
| Wire insulation, material | PP |
| Insulation resistance | ≥ 100 GΩ*km (bei 20 °C) |
| Conductor resistance | ≤ 58 Ω/km (bei 20 °C) |
| Flame resistance | acc. to UL 758/1581 FT2<br>DIN EN 60332-2-2 (20 s) |
| Halogen-free | acc. to DIN VDE 0472 Part 815 |
| Oil resistance | acc. to DIN EN 60811-2-1 |

## Standards/Approvals

| | |
|---|---|
| Product standard, M12 connector | IEC 61076-2-101 |
| UL-Listed, E-File | E249137 |

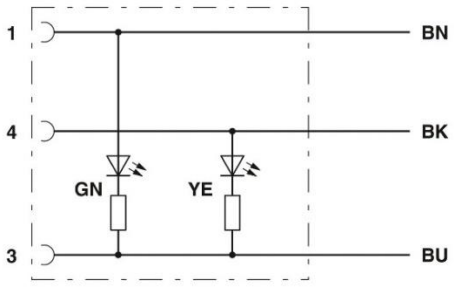
## Technical drawing

Dimensional drawing



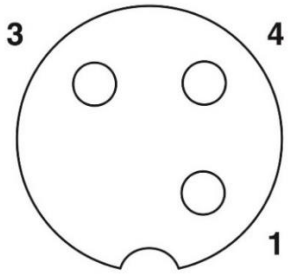

Jack M12 x 1, straight, with LED

Circuit diagram



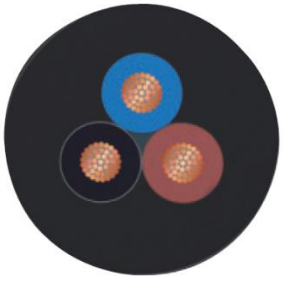

Pin assignment M12-jack

Drawing




Pin assignment M12-jack, 3-pol, A-coding

Wire cross section





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## Application range

For increased mechanical load and rough operating conditions

## Note

Photographs are not true to scale and do not represent detailed images of the respective products



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