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| 22260322 | DATA SHEET |  |
| Valid from: 21.12.2023 | AB-C4-(L*)PUR-M12FS | |

Product description

- Sensor/actuator cable, 4-pol, PUR halogen-free, black
- Straight M12-jack on free conductor end



General characteristics

| | |
|----------------------|---|
| Number of pins | 4 |
| Ambient temperature | -25 °C to +90 °C (-13°F to 194°F) (plug / jack) -40 °C to +80 °C (-40°F to 176°F) (cable, fixed installation) -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 |
|----------------|---------------------|------------|---------------|
| 22260322 | AB-C4-2,0PUR-M12FS | 2 | straight |
| 22260323 | AB-C4-5,0PUR-M12FS | 5 | straight |
| 22260343 | AB-C4-10,0PUR-M12FS | 10 | straight |
| 22262131 | AB-C4-15,0PUR-M12FS | 15 | straight |
| 22260933 | AB-C4-20,0PUR-M12FS | 20 | straight |
| 22260377 | AB-C4-25,0PUR-M12FS | 25 | straight |

Additional note

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

Electrical properties

| | |
|----------------------|-------|
| Rated voltage | 250 V |
| 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 | 4 x AWG22/42 |
| Signal line, construction | 42 x 0,1 mm |
| Conductor cross-section | 0,34 mm ² |
| Conductor diameter including isolation | 1,27 mm ± 0,02 mm |
| Cable outer diameter D | 4,7 mm ± 0,15mm |
| Insulation color | brown, white, blue, black |
| Sheath color | grey-black, RAL 7021 |
| Number of bending cycles | 10.000.000 |
| Traveling distance | 10 m |
| Traveling speed | 3 m/s |
| Acceleration | 10 m/s ² |
| Cable weight | 30 kg/km |
| Outer coating, material | PUR |
| Wire insulation, material | PP |
| Insulation resistance | ≥ 1 GΩ*km |
| Conductor resistance | ≤ 58 Ω/km |
| Flame resistance | acc. to UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) |
| Halogen-free | acc. to DIN VDE 0472 Part 815 DIN EN 50267-2-1 |
| Oil resistance | acc. to DIN EN 60811-2-1 |
| Other resistances | resistant to hydrolysis and microbes good resistant to acids, lyes and solvents limited UV resistance acc. to DIN EN ISO 4892-2-A low adhesion abrasion resistant |

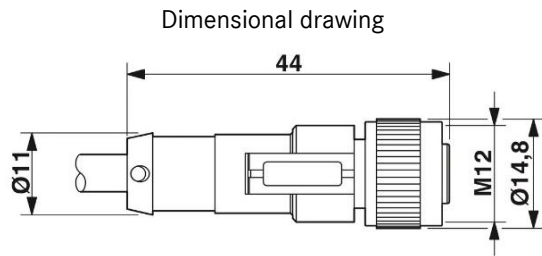
Standards/Approvals

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

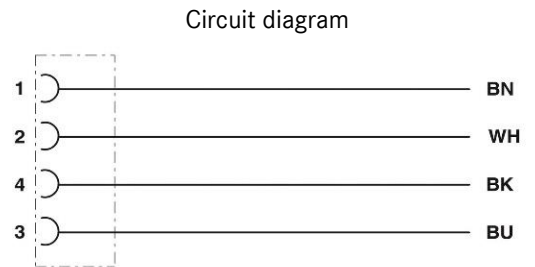
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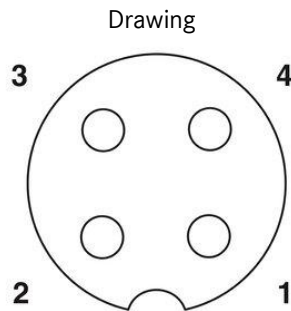
Technical drawing



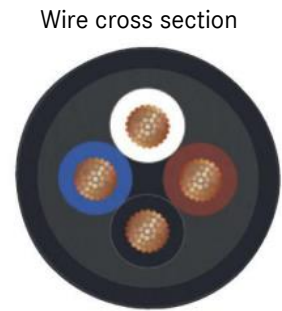
Jack M12 x 1, straight



Pin assignment M12-jack



Pin assignment M12-jack, 4-pol, A-coding



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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