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| 22260406 | DATA SHEET |  |
| Valid from: 12.09.2019 | AB-C5-(L*)PUR-M12FA | |

Product description

Sensor/actuator cable, 5-pos., PUR black, angled socket M12 on free conductor end.



Product variations

| Article number | Article description | Length (L*) [m] |
|----------------|---------------------|-----------------|
| 22260406 | AB-C5-2,0PUR-M12FA | 2 |
| 22260407 | AB-C5-5,0PUR-M12FA | 5 |
| 22260418 | AB-C5-10,0PUR-M12FA | 10 |

This datasheet is also valid for other length configurations. Other lengths upon request.

M12 connector


General properties

| | |
|-----------------------|------------------|
| Coding | A |
| Protection degree | IP65/IP67/IP68 |
| Number of contacts | 5 |
| Ambient temperature | -25 °C to +90 °C |
| Rated voltage | 60 V |
| Rated current | 4 A |
| Insulation resistance | ≥ 100 MΩ |
| Contact resistance | ≤ 5 mΩ |
| Overvoltage category | II |
| Pollution degree | 3 |
| Tightening torque | 0.4 Nm |
| Mating cycles | 100 |

Materials

| | |
|--|------------------------------|
| Contact carrier | TPU GF |
| Contact carrier, inflammability class in accordance with UL 94 | HB |
| Material, contacts | CuSn |
| Contact surface | Ni/Au |
| Material, grip body | TPU |
| Material, knurl | zinc die-cast, nickel-plated |
| Material, sealing | NBR |

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Cable

| | |
|--|--|
| Signal line, construction | 42 x 0.10 mm |
| Signal line, AWG | 22 |
| Conductor, material | stranded of bare copper wire |
| Conductor, cross-section | 0.34 mm ² |
| Number of cores | 5 |
| Core identification code | brown (1), white (2), blue (3), black (4), green-yellow (5) |
| Outer diameter, core insulation | 1.27 mm |
| Core insulation, material | PP |
| Outer sheath | PUR |
| Outer sheath, color | grey-black similar to RAL 7021 |
| Outer diameter, cable | 5.0 mm |
| | |
| Ambient temperature, fixed installation | -40 °C to +80 °C |
| Ambient temperature, flexing | -25 °C to +80 °C |
| Minimum bending radius, fixed installation | 5 x cable diameter |
| Minimum bending radius, flexing | 10 x cable diameter |
| Travel length | 10 m |
| Travel speed | 3 m/s |
| Number of bending cycles | 4.000.000 |
| Nominal voltage | ≤ 300 V |
| Test voltage | ≥ 3000 V |
| | |
| Flame retardance | flame retardant acc. to UL 758/1581 (horizontal) UL 758/1581 FT2 |
| Halogen free | halogen free acc. to DIN VDE 0472 Part 815 DIN EN 50267-2-1 |
| Oil resistance | oil resistant acc. to DIN EN 60811-2-1 resistant to hydrolysis and microbes good resistant to acids, lyes and solvents |
| Other resistances | resistant to sea water limited UV resistance acc. to DIN EN ISO 4892-2-A low-adhesion abrasion-resistant |

Standards/Approvals

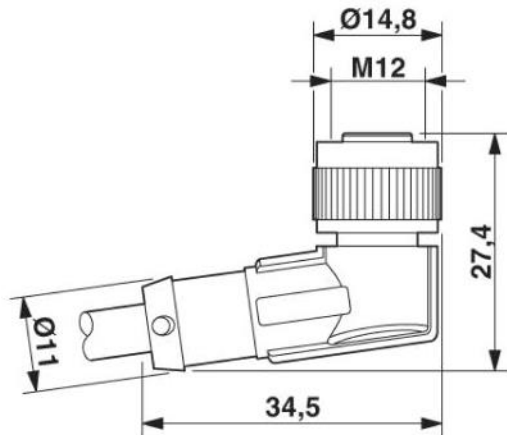
| | |
|---------------------------------|-----------------|
| Product standard, M12 connector | IEC 61076-2-101 |
| UL-listed, E-File | E249137 |

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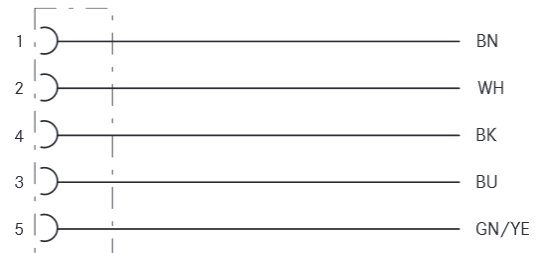
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Drawings

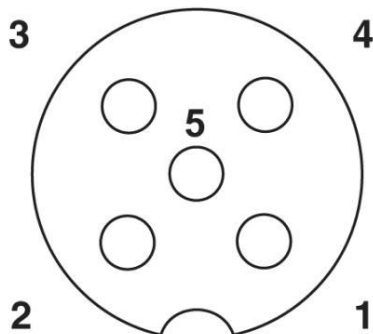
Dimensioned drawing, M12 connector



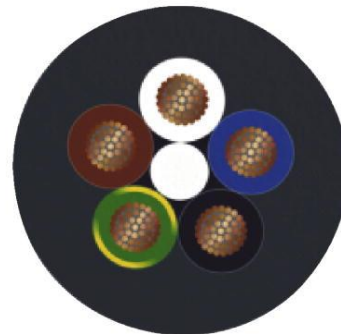
Wiring diagram



Pin assignment



Cable



Core identification code: brown (1), white (2), blue (3), black (4), green-yellow (5)

Application range

Automation, industrial machinery and plant engineering

Note

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

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