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| 22260462 | DATA SHEET |  |
| Valid from: 13.12.2018 | AB-C5-(L*)PUR-M12FS-SH | |

Product description

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



Product variations

| Article number | Article description | Length (L*) [m] |
|----------------|------------------------|-----------------|
| 22260462 | AB-C5-2,0PUR-M12FS-SH | 2 |
| 22262136 | AB-C5-3,0PUR-M12FS-SH | 3 |
| 22260463 | AB-C5-5,0PUR-M12FS-SH | 5 |
| 22260464 | AB-C5-10,0PUR-M12FS-SH | 10 |
| 22260468 | AB-C5-11,0PUR-M12FS-SH | 11 |
| 22261057 | AB-C5-20,0PUR-M12FS-SH | 20 |

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

M12 connector


General properties

| | |
|-----------------------|--------------------------------------|
| Coding | A |
| Protection degree | IP65/IP67 |
| Number of contacts | 5 |
| Ambient temperature | -25 °C to +90 °C (-13 °F to +194 °F) |
| Rated voltage | 60 V |
| Rated current | 4 A |
| Insulation resistance | ≥ 100 MΩ |
| Overvoltage category | II |
| Pollution degree | 3 |
| Tightening torque | 0.4 Nm |
| Mating cycles | 100 |

Materials

| | |
|---|------------------------------|
| Contact carrier | TPU GF |
| Contact carrier, Inflammability class acc. to 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), grey (5) |
| Outer diameter, core insulation | ca. 1.27 mm |
| Core insulation, material | PP |
| Screening | braid of copper wire |
| Coverage | 80 % |
| Outer sheath | PUR |
| Outer sheath, colour | black similar to RAL 9005 |
| Outer diameter, cable | ca. 5.25 mm |
| | |
| Ambient temperature, fixed installation | -40 °C to +80 °C (-40 °F to +176 °F) |
| Ambient temperature, flexing | -25 °C to +80 °C (-13 °F to +176 °F) |
| Minimum bending radius, fixed installation | 26 mm |
| Minimum bending radius, flexing | 52 mm |
| Travel length | 10 m |
| Travel speed | 3 m/s |
| Acceleration | 10 m/s ² |
| Number of bending cycles | 10.000.000 |
| | |
| Flame retardance | flame retardant acc. to UL 758/ 1581 FT2 and DIN EN 60332-2-2 (20s) |
| Halogen free | halogen free acc. to DIN VDE 0472 Part 815 |
| Oil resistance | acc. to DIN EN 60811-2-1 |
| Other resistances | resistant to hydrolysis and microbes limited UV resistance acc. to DIN EN ISO 4892-2-A |

Standards/Approvals

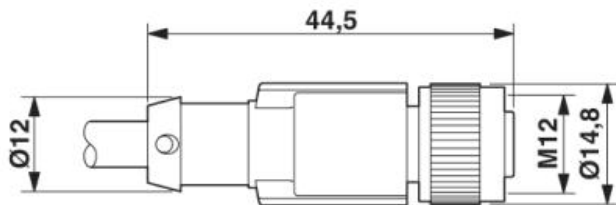
| | |
|---------------------------------|-----------------|
| Product standard, M12 connector | IEC 61076-2-101 |
| UL-listed, E-File | E 249137 |

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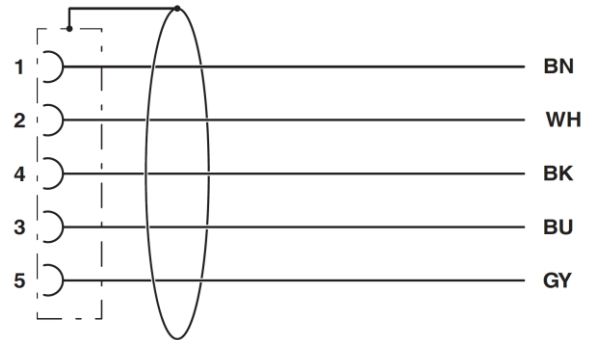
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Drawings

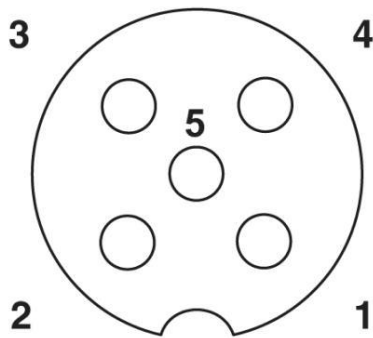
Dimensioned drawing, M12 connector



Wiring diagram



Pin assignment



Cable



Core identification code: brown (1), white (2), blue (3), black (4), grey (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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