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| 22260837 | DATA SHEET |  |
| Valid from: 25.01.2024 | AB-C4-M12MS-(L*)PVC-M12FA | |

Product description

- Sensor/actuator cable, 4-pol, PVC black
- Straight M12-plug on angled M12-jack



General characteristics

| | |
|----------------------|--|
| Number of pins | 4 |
| Ambient temperature | -25 °C to +90 °C (-13°F to 194°F) (plug / jack) -25 °C to +80 °C (-13°F to 176°F) (cable, fixed installation) -10 °C to +80 °C (14°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 |
|----------------|---------------------------|------------|-------------------|
| 22260837 | AB-C4-M12MS-1,0PVC-M12FA | 1 | straight - angled |
| 22260832 | AB-C4-M12MS-2,0PVC-M12FA | 2 | straight - angled |
| 22260830 | AB-C4-M12MS-3,0PVC-M12FA | 3 | straight - angled |
| 22260831 | AB-C4-M12MS-4,0PVC-M12FA | 4 | straight - angled |
| 22260705 | AB-C4-M12MS-5,0PVC-M12FA | 5 | straight - angled |
| 22260835 | AB-C4-M12MS-6,0PVC-M12FA | 6 | straight - angled |
| 22260707 | AB-C4-M12MS-7,0PVC-M12FA | 7 | straight - angled |
| 22260834 | AB-C4-M12MS-8,0PVC-M12FA | 8 | straight - angled |
| 22260708 | AB-C4-M12MS-9,0PVC-M12FA | 9 | straight - angled |
| 22260833 | AB-C4-M12MS-10,0PVC-M12FA | 10 | straight - angled |
| 22262204 | AB-C4-M12MS-15,0PVC-M12FA | 15 | straight - angled |
| 22262205 | AB-C4-M12MS-20,0PVC-M12FA | 20 | straight - angled |


Additional note

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

Electrical properties

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|----------------------|-------|
| Rated voltage | 250 V |
| Rated current | 4 A |
| Overvoltage category | II |
| Pollution degree | 3 |

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| Creator: THLE3/PDP Released: IVSE1/PDP | Document: DB22260837EN Version: 06 | Page 1 of 3 |
|---|---------------------------------------|-------------|

| | | |
|---------------------------|----------------------------------|---|
| 22260837 | DATA SHEET |  |
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Mechanical properties

Plug, 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 |
| Seal, material | NBR |


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 | 1,26 mm ± 0,05 mm |
| Cable outer diameter D | 5,2 mm ± 0,15mm |
| Insulation color | brown, white, blue, black |
| Sheath color | black, RAL 9005 |
| Minimum bending radius, fixed | 5 x D |
| Minimum bending radius, movable installation | 10 x D |
| Cable weight | 40 kg/km |
| Outer coating, material | PVC |
| Wire insulation, material | PVC |
| Insulation resistance | ≥ 200 GΩ*km (at 20 °C) |
| Conductor resistance | Max. 57 Ω/km (at 20 °C) |
| Flame resistance | acc. to UL-Style 2464 |
| Oil resistance | acc. to DIN EN 60811-2-1, 168 h bei 90 °C |

Standards

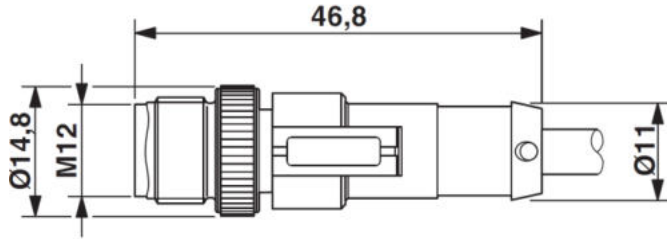
| | |
|---------------------------------|-----------------|
| Product standard, M12 connector | IEC 61076-2-101 |
| UL-Listed, E-File | E249137 |

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|---|---------------------------------------|-------------|
| Creator: THLE3/PDP Released: IVSE1/PDP | Document: DB22260837EN Version: 06 | Page 2 of 3 |
|---|---------------------------------------|-------------|

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|---------------------------|----------------------------------|---|
| 22260837 | DATA SHEET |  |
| Valid from: 25.01.2024 | AB-C4-M12MS-(L*)PVC-M12FA | |

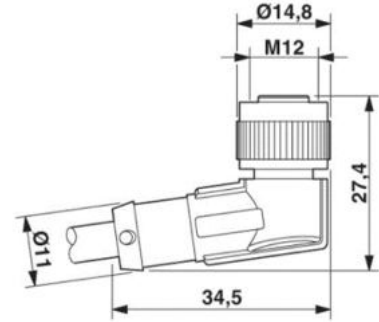
Technical drawing

Dimensional drawing



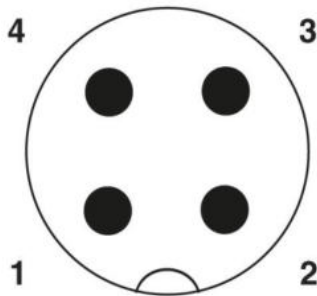
Plug M12 x 1, straight

Dimensional drawing



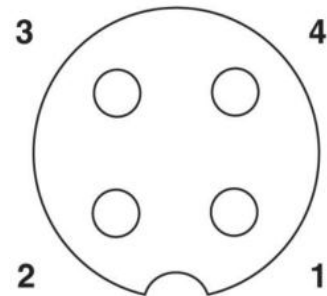
Jack M12 x 1, angled

Drawing



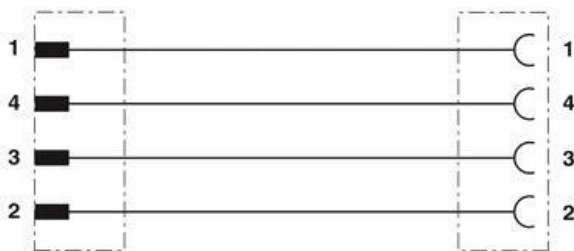
Pin assignment M12-plug, 4-pol, A-coding

Drawing



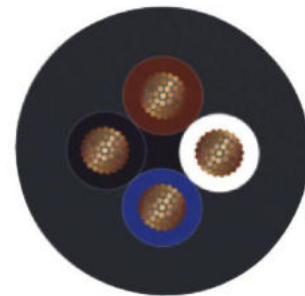
Pin assignment M12-jack, 4-pol, A-coding

Circuit diagram



Pin assignment between M12-plug and M12-jack

Wire cross section



Application range

For medium mechanical load in the dry area

Note

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

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| Creator: THLE3/PDP Released: IVSE1/PDP | Document: DB22260837EN Version: 06 | Page 3 of 3 |
|---|---------------------------------------|-------------|