


| | | |
|---------------------------|---------------------------|---|
| 22260202 | DATA SHEET |  |
| Valid from: 12.09.2019 | AB-C3-(L*)PUR-M8FS | |

Product description

Sensor/actuator cable, 3-pos., PUR black, straight socket M8 on free conductor end.



Product variations

| Article number | Article description | Length (L*) [m] |
|----------------|---------------------|-----------------|
| 22260202 | AB-C3-2,0PUR-M8FS | 2 |
| 22260200 | AB-C3-5,0PUR-M8FS | 5 |
| 22260219 | AB-C3-10,0PUR-M8FS | 10 |
| 22260366 | AB-C3-15,0PUR-M8FS | 15 |
| 22260934 | AB-C3-20,0PUR-M8FS | 20 |

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

M8 connector


General properties

| | |
|-----------------------|-------------------------------------|
| Coding | A |
| Protection degree | IP65/IP67/IP68 |
| Number of contacts | 3 |
| Ambient temperature | -25 °C to +90 °C (-13 °F to 194 °F) |
| Rated voltage | 60 V |
| Rated current | 4 A |
| Insulation resistance | ≥ 100 MΩ |
| Contact resistance | ≤ 5 mΩ |
| Overvoltage category | II |
| Pollution degree | 3 |
| Tightening torque | 0.2 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 |

| | | |
|---|---------------------------------------|-------------|
| Creator: MANA2/PDP Released: IVSE1/PDP | Document: DB22260202EN Version: 06 | Page 1 of 3 |
|---|---------------------------------------|-------------|

| | | |
|---------------------------|---------------------------|---|
| 22260202 | DATA SHEET |  |
| Valid from: 12.09.2019 | AB-C3-(L*)PUR-M8FS | |


Cable

| | |
|--|---|
| Signal line, construction | 32 x 0.10 mm |
| Signal line, AWG | 24 |
| Conductor, material | stranded of bare copper wire |
| Conductor, cross-section | 0.25 mm ² |
| Number of cores | 3 |
| Core identification code | brown (1), blue (3), black (4) |
| Outer diameter, core insulation | 1.17 mm |
| Core insulation, material | PP |
| Outer sheath | PUR |
| Outer sheath, color | black similar to RAL 9005 |
| Outer diameter, cable | 4.4 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 | 5 x cable diameter |
| Minimum bending radius, flexing | 10 x cable diameter |
| Travel length | 10 m |
| Travel speed | 3 m/s |
| Acceleration | 10 m/s ² |
| Number of bending cycles | 4.000.000 |
| Nominal voltage | ≤ 300 V |
| Test voltage | ≥ 3000 V |
| | |
| Flame retardance | flame retardant acc. to UL-Style 20549 |
| Halogen free | halogen free acc. to DIN VDE 0472 Part 815 |
| Oil resistance | oil resistant acc. to DIN EN 60811-2-1 resistant to hydrolysis and microbes |
| Other resistances | good resistant to acids, lyes and solvents resistant to sea water limited UV resistance acc. to DIN EN ISO 4892-2-A |

Standards/Approvals

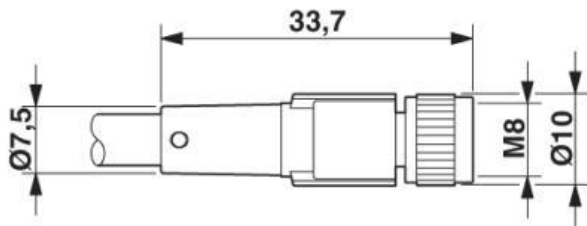
| | |
|--------------------------------|-----------------|
| Product standard, M8 connector | IEC 61076-2-104 |
| UL-listed, E-File | E249137 |

| | | |
|---|---------------------------------------|-------------|
| Creator: MANA2/PDP Released: IVSE1/PDP | Document: DB22260202EN Version: 06 | Page 2 of 3 |
|---|---------------------------------------|-------------|

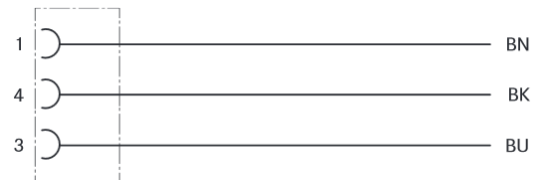
| | | |
|---------------------------|---------------------------|---|
| 22260202 | DATA SHEET |  |
| Valid from: 12.09.2019 | AB-C3-(L*)PUR-M8FS | |

Drawings

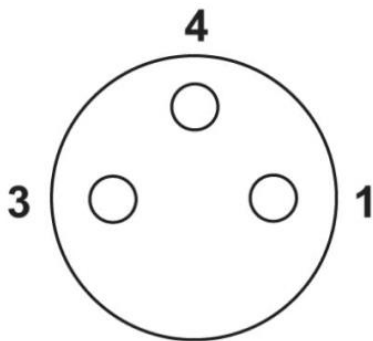
Dimensioned drawing, M8 connector



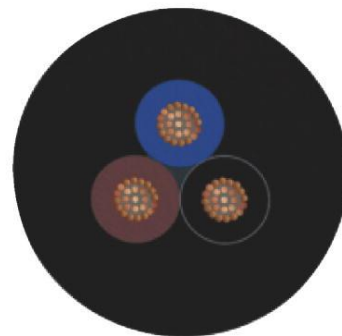
Wiring diagram



Pin assignment



Cable



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

Application range

For increased mechanical stress and harsh operating conditions

Note

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

| | | |
|---|---------------------------------------|-------------|
| Creator: MANA2/PDP Released: IVSE1/PDP | Document: DB22260202EN Version: 06 | Page 3 of 3 |
|---|---------------------------------------|-------------|