

Cable socket, shielded

V318-GM-BK3M-PUR-U2S

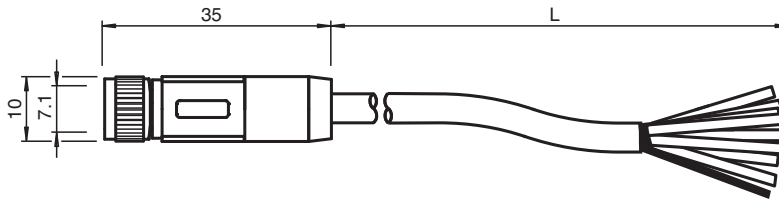


- Degree of protection IP65 / IP67
- Resistant to microbes and hydrolysis
- UV resistant
- Halogen-free
- Shield connected to screw connection
- Image and drawing are generic for this device type and may deviate from the specific variant

Female cordset single-ended M8 straight A-coded, 8-pin, PUR cable black, shielded



Dimensions



Technical Data

General specifications

| | | |
|-------------------|--|------------------|
| Connector 1 | | |
| Connection | | socket |
| Construction type | | M8 |
| Style | | straight |
| Locking | | screw connection |
| Number of pins | | 8 |
| Coding | | A-coded |
| Connector 2 | | |
| Connection | | cable end |

Electrical specifications

| | | |
|-------------------|-------|-----------------|
| Operating voltage | U_B | max. 30 V AC/DC |
| Operating current | I_B | max. 1.5 A |

Conformity

| | | |
|-----------------------|--|--------------------------------------|
| Degree of protection | | EN 60529 |
| Plug connection | | connector M8 x 1 : IEC 61076-2-104 |
| Flammability | | UL 758 / 1581 |
| Halogen-free | | DIN VDE 0472-815 DIN EN 50267-2-1 |
| UV resistance | | DIN EN ISO 4892-2-A |
| Microbial resistance | | EN 50363 |
| Hydrolysis resistance | | EN 50363 |
| Oil resistance | | DIN EN 60811-2-1 |

Ambient conditions

Release date: 2024-09-10 Date of issue: 2024-09-10 Filename: 70162244_eng.pdf

Technical Data

| | | |
|----------------------------------|---|--|
| Ambient temperature | | |
| Plug connector | | -25 ... 85 °C (-13 ... 185 °F) |
| Cable, fixed | | -40 ... 80 °C (-40 ... 176 °F) |
| Cable, flexing | | -25 ... 80 °C (-13 ... 176 °F) |
| Pollution degree | | 3 |
| Mechanical specifications | | |
| Plug connector | | |
| Tightening torque | | 0.2 Nm |
| Tool installation | | straight knurling |
| Mating cycles | | min. 100 |
| Shielding | | shield connected to screw connection |
| Degree of protection | | IP65 / IP67 |
| Cable | | |
| Sheath diameter | | 5.9 mm |
| Bending radius | | 59 mm , moving 29.5 mm , fixed |
| Sheath color | | black (similar to RAL 7021) |
| Number of cores | | 8 |
| Core cross section | | 0.14 mm ² |
| Cores color | | Core 1: white Core 2: brown Core 3: green Core 4: yellow Core 5: grey Core 6: pink Core 7: blue Core 8: red |
| Core construction | | 18 x 0.1 mm Ø |
| Shield | | tinned copper braiding, 85 % coverage |
| Length | L | 3 m |
| Cable code | | Li 9Y C 11Y 8 x 0,14 |
| Mass | | 148 g |
| Material | | |
| Halogen-free | | yes |
| Plug connector | | |
| Screw connection | | Zinc diecast, nickel-plated |
| Body | | TPU, black |
| Seal | | NBR |
| Contact surface | | gold plated (Au) |
| Flammability | | HB |
| Cable | | |
| Sheathing | | PUR |
| Core insulation | | PP |
| UV resistance | | yes |
| Oil resistance | | yes |
| Microbial resistance | | yes |
| Hydrolysis resistance | | yes |
| Flammability | | FT2 |

Connection Assignment

