

Connection cable, shielded

V31-GM-1M-PUR-V31-GM-UDB/UDC

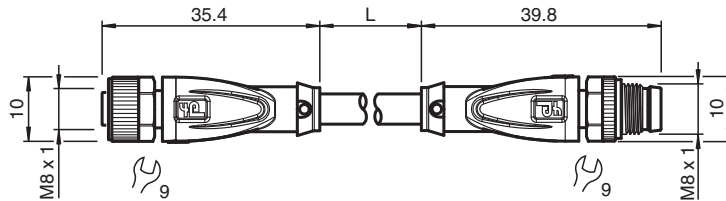


- Cable for extensionn between emitter and receiver for UDB-18GS-..., UDC-18GS-... and UDC(M)-30GS-...
- Degree of protection IP68
- Free of paint wetting interfering substances
- Halogen-free
- Shield connected to pin 4
- Specific design protects against loosening and inaccurate installation

Cordset M8 socket straight to M8 plug straight A-coded, 4-pin, PUR cable 3-core black, shielded



Dimensions



Technical Data

General specifications

| Connector 1 | |
|-------------------|------------------|
| Connection | socket |
| Construction type | M8 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 4 |
| Coding | A-coded |
| Connector 2 | |
| Connection | plug |
| Construction type | M8 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 4 |
| Coding | A-coded |

Electrical specifications

| | | |
|-------------------|-------|-----------------|
| Operating voltage | U_B | max. 30 V AC/DC |
| Operating current | I_B | max. 3 A |

Conformity

| | |
|----------------------|------------------------------------|
| Degree of protection | EN 60529 |
| Plug connection | connector M8 x 1 : IEC 61076-2-104 |
| Flammability | IEC 60332-1-2 |
| Halogen-free | IEC 60754-2 |

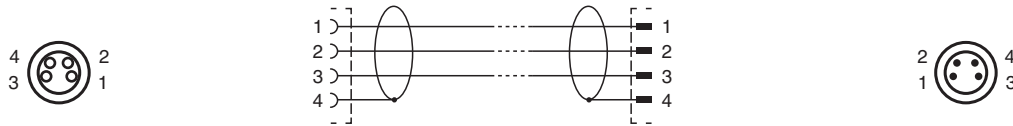
Approvals and certificates

Release date: 2024-04-15 Date of issue: 2024-04-15 Filename: 70148170_eng.pdf

Technical Data

| | | |
|----------------------------------|---|--|
| UL approval | | The UL certificate of the double sheet sensors series UD*GS* includes and therefore allows the use of this extension cable with these devices. |
| Ambient conditions | | |
| Ambient temperature | | |
| Plug connector | | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed | | -40 ... 85 °C (-40 ... 185 °F) |
| Cable, flexing | | -25 ... 80 °C (-13 ... 176 °F) |
| Pollution degree | | 3 |
| Mechanical specifications | | |
| Plug connector | | |
| Tightening torque | | 0.4 Nm |
| Loosening protection | | available |
| Tool installation | | straight knurling and hexagon nut SW = 9 mm |
| Mating cycles | | min. 100 |
| Shielding | | shield connected to pin 4 |
| Degree of protection | | IP68 |
| Cable | | according to IEC/EN 60228 (DIN VDE 0295) class 6 |
| Sheath diameter | | 4.3 mm |
| Bending radius | | > 10 x cable diameter, moving > 5 x cable diameter, fixed |
| Sheath color | | black (similar to RAL 9005) |
| Number of cores | | 3 |
| Core cross section | | 0.14 mm ² |
| Cores color | | Core 1: brown Core 2: black Core 3: blue |
| Core construction | | 18 x 0.1 mm Ø |
| Shield | | tinned copper braiding, 85 % coverage |
| Length | L | 1 m |
| Cable code | | Li 9Y C11Y 3 x 0,14 |
| Mass | | 36 g |
| Material | | |
| PWIS free | | yes |
| Halogen-free | | yes |
| Plug connector | | |
| Screw connection | | Zinc diecast, nickel-plated |
| Body | | TPU, black |
| Seal | | FKM |
| Contact surface | | gold plated (Au) |
| Flammability | | V-2 |
| Cable | | |
| Sheathing | | PUR based on polyether |
| Core insulation | | PP |
| Hydrolysis resistance | | yes |
| Flammability | | FT2 |

Connection



Installation

Note

Only use the cables specified by Pepperl+Fuchs for this purpose to extend the connecting cable between the transmitter and receiver of the ultrasonic double sheet detectors. The use of other cables will result in impairment of the sensor function or even loss of function.