

Cable socket, shielded

V15-G-BK10M-PUR-O2/CAN

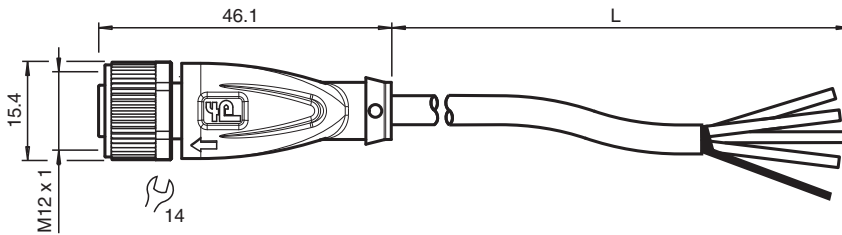


- Suitable for DeviceNet and CANopen
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- UV resistant
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Shield connected to pin 1
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

DeviceNet/CANOpen bus cable female cordset single-ended M12 straight A-coded 5-pin, PUR cable 4-core twisted pairs black, shielded, UL approved, drag chain suitable, outdoor



Dimensions



Technical Data

General specifications

| | | |
|--------------------|--|------------------|
| Connector 1 | | |
| Connection | | socket |
| Construction type | | M12 |
| Style | | straight |
| Locking | | screw connection |
| Number of pins | | 5 |
| Coding | | A-coded |
| Connector 2 | | |
| Connection | | cable end |

Electrical specifications

| | | |
|-------------------|-------|------------------------|
| Operating voltage | U_B | max. 48 V AC / 60 V DC |
| Operating current | I_B | max. 4 A |

Conformity

| | | |
|-----------------------|--|-------------------------------------|
| Degree of protection | | EN 60529 |
| Plug connection | | connector M12 x 1 : IEC 61076-2-101 |
| Flammability | | UL 1581 , IEC 60332-1-2 |
| Halogen-free | | IEC 60754-1 |
| Chemical resistance | | DIN EN 60811-2-1 |
| Microbial resistance | | DIN EN 50525-2-21 / DIN VDE 0282-10 |
| Hydrolysis resistance | | DIN EN 50525-2-21 |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Technical Data

| | | |
|-----------------------------------|---|--|
| Oil resistance | | DIN EN 60811-2-1 |
| Approvals and certificates | | |
| UL approval | | AWM STYLE 21924/11558 105°C 300V AWM I A/B 105°C 300V FT2 (cable) |
| UL File Number | | E231213 |
| Ambient conditions | | |
| Ambient temperature | | |
| Plug connector | | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed | | -50 ... 105 °C (-58 ... 221 °F) |
| Cable, flexing | | -30 ... 105 °C (-22 ... 221 °F) |
| Pollution degree | | 3 |
| Mechanical specifications | | |
| Plug connector | | |
| Tightening torque | | 0.6 Nm |
| Loosening protection | | available |
| Tool installation | | straight knurling and hexagon nut SW = 14 mm |
| Mating cycles | | min. 100 |
| Shielding | | shield connected to pin 1 and screw connection |
| Degree of protection | | IP68 / IP69 |
| Cable | | according to IEC/EN 60228 (DIN VDE 0295) class 5 |
| Sheath diameter | | 6 mm |
| Bending radius | | > 10 x cable diameter, moving > 5 x cable diameter, single bend |
| Sheath stripping force | | max. 80 N / 500 mm |
| Sheath color | | black (similar to RAL 9005) |
| Number of cores | | 4 |
| Core cross section | | 0.34 mm ² |
| Cores color | | Core 2: red Core 3: black Core 4: white Core 5: blue |
| Core construction | | 19 x 0.15 mm Ø twisted pairs |
| Shield | | tinned copper braiding, 85 % coverage |
| Length | L | 10 m |
| Cable code | | Li 9Y C11Y 2 x 2 x 0,34 |
| Drag chain suitability | | |
| Drag chain cycles | | min. 3000000 |
| Motion velocity | | max. 2.5 m/s |
| Traverse distance | | 0.51 m |
| Acceleration | | max. 12 m/s ² |
| 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 |
| Salt water resistance | | yes |
| Oil resistance | | yes |
| Microbial resistance | | yes |

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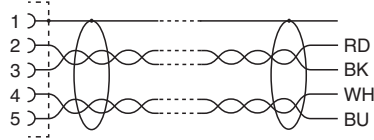
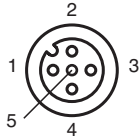
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 **PEPPERL+FUCHS**








Technical Data

| | |
|-----------------------|-----|
| Hydrolysis resistance | yes |
| Flammability | FT2 |

Connection



Accessories

| | | |
|---|------------------------------|--|
|  | MH V1-SCREWDRIVER | Torque screwdriver (0.6 Nm) |
|  | MH V1-BIT M12 | plug-in cap M12 |
|  | V1/V3-LABELHOLDER | Label holder |
|  | V1/V3-LABEL | Label plate |
|  | MH V1-Holder | Modular universal holder for M12 connectors |
|  | V1-CLIP | Unlocking protector for M12 connector |
|  | V1-MARKING-RING-COLOR | Marking rings for M12 connectors, various colors |

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