

Adapter cable

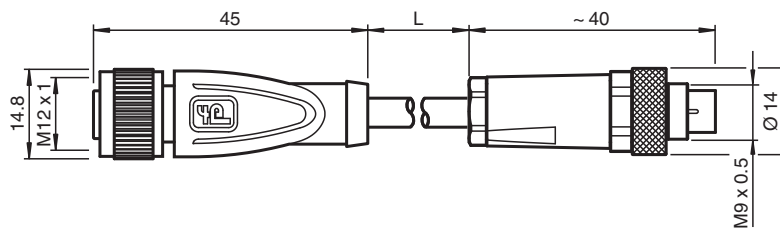
V15-G-0,1M-PUR-ABG-V35-G

- Degree of protection IP67
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Metal housing
- EMC shielded

Adapter cable M12 socket straight A-coded 5-pin to M9 plug straight metal housing 5-pin, PUR cable grey, shielded



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 | plug |
| Construction type | M9 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 5 |
| Customization | Metal housing |

Electrical specifications

| | | |
|-------------------|-------|------------------------|
| Operating voltage | U_B | max. 48 V AC / 60 V DC |
| Operating current | I_B | max. 3 A |
| Volume resistance | | < 5 m Ω |

Conformity

| | | |
|----------------------|--|--------------------------------------|
| Degree of protection | | EN 60529 |
| Plug connection | | connector M12 x 1 : IEC 61076-2-101 |
| Halogen-free | | DIN VDE 0472-815 DIN EN 50267-2-1 |

Release date: 2023-07-12 Date of issue: 2023-07-13 Filename: 222481_eng.pdf

Technical Data

Ambient conditions

| | | |
|---------------------|--|--------------------------------|
| Ambient temperature | | |
| Connector 1 | | -40 ... 90 °C (-40 ... 194 °F) |
| Connector 2 | | -40 ... 85 °C (-40 ... 185 °F) |
| Cable, fixed | | -40 ... 80 °C (-40 ... 176 °F) |
| Cable, flexing | | -25 ... 80 °C (-13 ... 176 °F) |
| Pollution degree | | 3 |

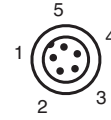
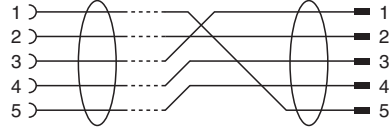
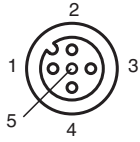
Mechanical specifications

| | | |
|------------------------|---|---|
| Connector 1 | | |
| Tightening torque | | 0.6 Nm |
| Loosening protection | | available |
| Tool installation | | straight knurling |
| Mating cycles | | min. 100 |
| Shielding | | shield connected to screw connection |
| Degree of protection | | IP67 / IP68 / IP69 |
| Connector 2 | | |
| Mating cycles | | min. 500 |
| Shielding | | shield connected to connector |
| Degree of protection | | IP67 |
| Cable | | |
| Sheath diameter | | 4.8 mm |
| Bending radius | | > 10 x cable diameter, moving > 5 x cable diameter, fixed |
| Sheath stripping force | | max. 100 N / 300 mm |
| Sheath color | | grey (similar to RAL 7001) |
| Number of cores | | 5 |
| Core cross section | | 0.34 mm ² |
| Cores color | | Core 1-5: brown Core 2-2: white Core 3-1: blue Core 4-3: black Core 5-4: grey |
| Core construction | | 42 x 0.1 mm Ø |
| Shield | | tinned copper braiding, 85 % coverage |
| Length | L | 0.1 m |
| Cable code | | Li 9Y 11YM 5 x 0.34 |








Material

| | | |
|---------------------|--|-----------------------------|
| Halogen-free | | yes |
| Connector 1 | | |
| Screw connection | | Zinc diecast, nickel-plated |
| Body | | TPU, black |
| Contact surface | | Au |
| Flammability | | V-2 |
| Connector 2 | | |
| Screw connection | | brass, nickel-plated |
| Body | | brass nickel-plated |
| Contact surface | | Au |
| Cable | | |
| Sheathing | | PUR based on polyether |
| Core insulation | | PP |
| Chemical resistance | | good |

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 |