



Adapter cable

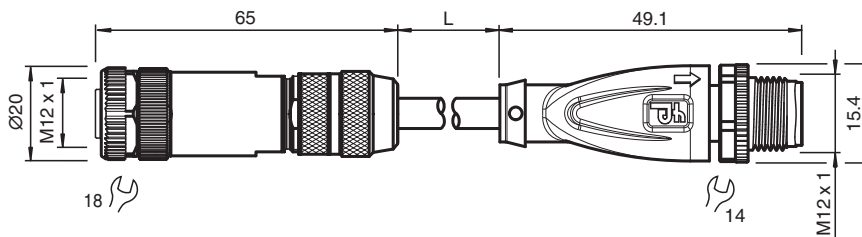
V1B-G-BK5M-PUR-U/0,75-V1-G-Y01

- Suitable for drag chains and abrasion resistant
- Degree of protection IP67
- Resistant to microbes and hydrolysis
- UL listed for USA and Canada
- UV resistant
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Adapter cable M12 socket straight B-coded 5-pin to M12 plug straight A-coded 4-pin, PUR cable black, UL approved, drag chain suitable



Dimensions



Technical Data

General specifications

| Connector 1 | |
|-------------------|------------------|
| Connection | socket |
| Construction type | M12 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 5 |
| Coding | B-coded |
| Connector 2 | |
| Connection | plug |
| Construction type | M12 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 4 |
| Coding | A-coded |

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 |
| Halogen-free | IEC 60754-1 |

Approvals and certificates

Release date: 2023-10-25 Date of issue: 2023-10-25 Filename: 70170344_eng.pdf

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

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Technical Data

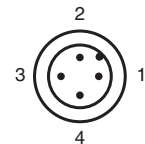
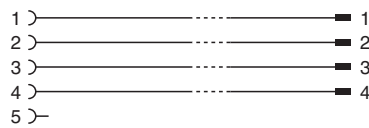
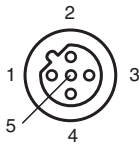
| | | |
|----------------------------------|-------------------------------------------------------------------------------------|-----|
| UL approval | AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable) | |
| UL File Number | E231213 | |
| Ambient conditions | | |
| Ambient temperature | | |
| Connector 1 | -40 ... 85 °C (-40 ... 185 °F) | |
| Connector 2 | -40 ... 90 °C (-40 ... 194 °F) | |
| Cable, fixed | -40 ... 80 °C (-40 ... 176 °F) | |
| Cable, flexing | -20 ... 80 °C (-4 ... 176 °F) | |
| Pollution degree | 3 | |
| Mechanical specifications | | |
| Connector 1 | | |
| Tightening torque | 0.6 Nm | |
| Tool installation | straight knurling , hexagon nut SW = 18 mm | |
| Mating cycles | min. 50 | |
| Degree of protection | IP67 | |
| Connector 2 | | |
| Tightening torque | 0.6 Nm | |
| Tool installation | straight knurling and hexagon nut SW = 14 mm | |
| Mating cycles | min. 100 | |
| Degree of protection | IP68 / IP69 | |
| Cable | | |
| Sheath diameter | 6 mm | |
| Bending radius | > 10 x cable diameter, moving > 5 x cable diameter, fixed | |
| Sheath stripping force | max. 50 N / 300 mm | |
| Sheath color | black (similar to RAL 9005) | |
| Number of cores | 5 | |
| Core cross section | 0.75 mm ² | |
| Cores color | Core 1: brown Core 2: white Core 3: blue Core 4: black Core 5: not used | |
| Core construction | 42 x 0.15 mm Ø | |
| Length | L | 5 m |
| Cable code | Li F 9Y 11Y 5 x 0,75 | |
| Drag chain suitability | | |
| Drag chain cycles | min. 2000000 | |
| Motion velocity | max. 3.3 m/s | |
| Traverse distance | max. 5 m | |
| Acceleration | max. 5 m/s ² | |
| Torsional stress | ± 180 °/m | |
| Material | | |
| Halogen-free | yes | |
| Connector 1 | | |
| Screw connection | Zinc diecast, nickel-plated | |
| Body | Zinc diecast, nickel-plated | |
| Contact surface | Au | |
| Connector 2 | | |
| Screw connection | Zinc diecast, nickel-plated | |
| Body | TPU, black | |
| Contact surface | Au | |
| Flammability | V-2 | |
| Cable | | |
| Sheathing | PUR based on polyether | |

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Technical Data

| | |
|-----------------------|-----|
| Core insulation | PP |
| UV resistance | yes |
| Oil resistance | yes |
| Microbial resistance | yes |
| Hydrolysis resistance | yes |
| Flammability | FT2 |

Connection Assignment



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