

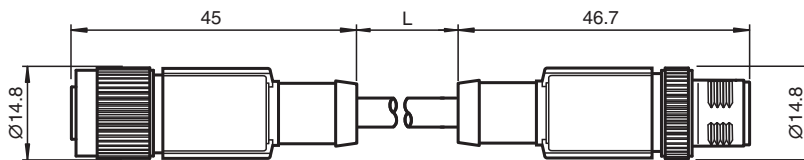
Connection cable V112-G-BK5M-PUR-V112-G

- Suitable for drag chains and abrasion resistant
- Resistant to microbes and hydrolysis
- Halogen-free
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

Cordset M12 socket to M12 plug A-coded, 12-pin, PUR cable black



Dimensions



Technical Data

General specifications

| | | |
|-------------------|--|------------------|
| Connector 1 | | |
| Connection | | socket |
| Construction type | | M12 |
| Style | | straight |
| Locking | | screw connection |
| Number of pins | | 12 |
| Coding | | A-coded |
| Connector 2 | | |
| Connection | | plug |
| Construction type | | M12 |
| Style | | straight |
| Locking | | screw connection |
| Number of pins | | 12 |
| Coding | | A-coded |

Electrical specifications

| | | |
|-------------------|----------------|------|
| Operating voltage | U _B | 30 V |
|-------------------|----------------|------|

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

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Technical Data

| | | |
|----------------------------------|-------|---|
| Operating current | I_B | 1.5 A |
| Surge protection | | category II |
| Conformity | | |
| Degree of protection | | EN 60529 |
| Plug connection | | connector M12 x 1 : IEC 61076-2-101 |
| Microbial resistance | | DIN VDE 0282-10 / EN 50396 |
| Hydrolysis resistance | | EN 50396 / DIN VDE 0282-10 |
| Oil resistance | | DIN EN 60811-2-1 / DIN VDE 0472 T.803, test type B |
| Ambient conditions | | |
| Ambient temperature | | |
| Plug connector | | -25 ... 85 °C (-13 ... 185 °F) |
| Cable, fixed | | -40 ... 80 °C (-40 ... 176 °F) |
| Cable, flexing | | -5 ... 80 °C (23 ... 176 °F) |
| Pollution degree | | 3 |
| Mechanical specifications | | |
| Plug connector | | |
| Tightening torque | | 0.4 Nm |
| Tool installation | | straight knurling |
| Mating cycles | | min. 100 |
| Degree of protection | | IP65/IP67/IP68 |
| Cable | | according to IEC/EN 60228 (DIN VDE 0295) class 5 |
| Sheath diameter | | 7.2 mm |
| Bending radius | | 54 mm |
| Sheath color | | black (similar to RAL 9005) |
| Number of cores | | 12 |
| Core cross-section | | 0.14 mm ² |
| Cores color | | Core 1: brown Core 2: blue Core 3: white Core 4: green Core 5: pink Core 6: yellow Core 7: black Core 8: grey Core 9: red Core 10: violet Core 11: grey/pink Core 12: red/blue |
| Core construction | | 18 x 0.1 mm |
| Length | L | 5 m |
| Drag chain suitability | | |
| Drag chain cycles | | min. 4000000 |
| Motion velocity | | max. 3 m/s |
| Traverse distance | | 10 m |
| Acceleration | | max. 10 m/s ² |
| Material | | |
| Halogen-free | | yes |
| Plug connector | | |
| Screw connection | | Zinc diecast, nickel-plated |
| Body | | TPU, black |
| Seal | | NBR |
| Contact surface | | Ni/Au |
| Flammability | | V-0 |
| Cable | | |
| Sheathing | | PUR |
| Core insulation | | PP |

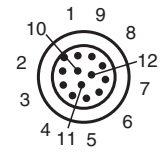
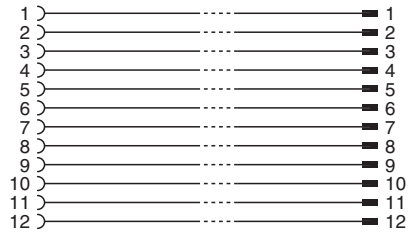
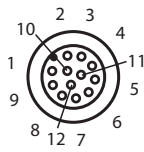
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Connection Assignment



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