



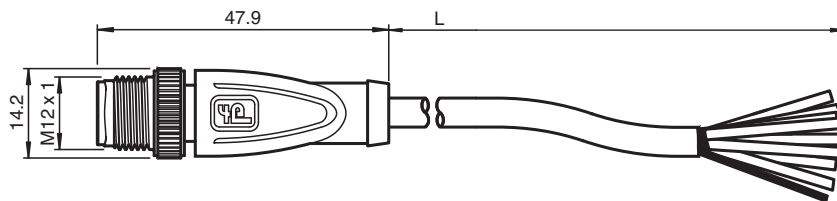
## Cable connector, shielded V19S-G-BK7M-PUR-U/ABG

- Degree of protection IP67 / IP68 / IP69
- Resistant to microbes and hydrolysis
- UV resistant
- cURus approval
- Halogen-free
- Shield connected to screw connection
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Male cordset single-ended M12 straight A-coded, 8-pin, PUR cable black, shielded, UL-approved



### Dimensions



### Technical Data

| General specifications    |                |                                     |  |
|---------------------------|----------------|-------------------------------------|--|
| Connector 1               |                |                                     |  |
| Connection                |                | Male connector                      |  |
| Construction type         |                | M12                                 |  |
| Style                     |                | straight                            |  |
| Locking                   |                | screw connection                    |  |
| Number of pins            |                | 8                                   |  |
| Coding                    |                | A-coded                             |  |
| Connector 2               |                |                                     |  |
| Connection                |                | cable end                           |  |
| UL File Number            |                | E231213                             |  |
| Electrical specifications |                |                                     |  |
| Operating voltage         | U <sub>B</sub> | max. 30 V AC/DC                     |  |
| Operating current         | I <sub>B</sub> | max. 2 A                            |  |
| Conformity                |                |                                     |  |
| Degree of protection      |                | EN 60529                            |  |
| Plug connection           |                | connector M12 x 1 : IEC 61076-2-101 |  |

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

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## Technical Data

|                                   |   |  |
|-----------------------------------|---|--|
| Flammability                      |   | UL 1581; DIN EN 60332-2-2  |
| Halogen-free                      |   | IEC 60754-1  |
| <b>Approvals and certificates</b> |   |  |
| UL approval                       |   | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)   |
| <b>Ambient conditions</b>         |   |  |
| Ambient temperature               |   |  |
| Plug connector                    |   | -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  |
| <b>Mechanical specifications</b>  |   |  |
| Plug connector                    |   |  |
| 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   |
| Cable                             |   | according to IEC/EN 60228 (DIN VDE 0295) class 5   |
| Sheath diameter                   |   | 6 mm   |
| Bending radius                    |   | > 10 x cable diameter, moving<br>> 8 x cable diameter, fixed   |
| Sheath stripping force            |   | max. 80 N / 300 mm   |
| Sheath color                      |   | black (similar to RAL 9005)  |
| Number of cores                   |   | 8  |
| Core cross-section                |   | 0.25 mm <sup>2</sup>   |
| Cores color                       |   | Core 1: white<br>Core 2: brown<br>Core 3: green<br>Core 4: yellow<br>Core 5: grey<br>Core 6: pink<br>Core 7: blue<br>Core 8: red |
| Core construction                 |   | 14 x 0.15 mm Ø   |
| Shield                            |   | tinned copper braiding, 85 % coverage  |
| Length                            | L | 7 m  |
| Cable code                        |   | Li 9Y C 11Y 8 x 0,25   |
| <b>Material</b>                   |   |  |
| Halogen-free                      |   | yes  |
| Plug connector                    |   |  |
| Knurled screw connection          |   | Zinc die-casting, nickel-plated  |
| Body                              |   | TPU, black   |
| Contact surface                   |   | Au   |
| Flammability                      |   | V-2  |
| Cable                             |   |  |
| Sheathing                         |   | PUR based on polyether   |
| Core insulation                   |   | PP   |
| UV resistance                     |   | yes  |
| Chemical resistance               |   | good   |
| Oil resistance                    |   | yes  |
| Cooling lubricant resistance      |   | yes  |
| Microbial resistance              |   | yes  |
| Hydrolysis resistance             |   | yes  |
| Flammability                      |   | FT2  |

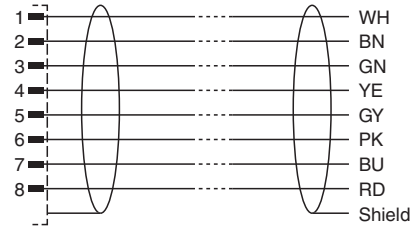
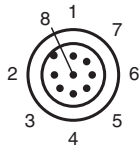
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# Connection Assignment



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