



## Y connection cable

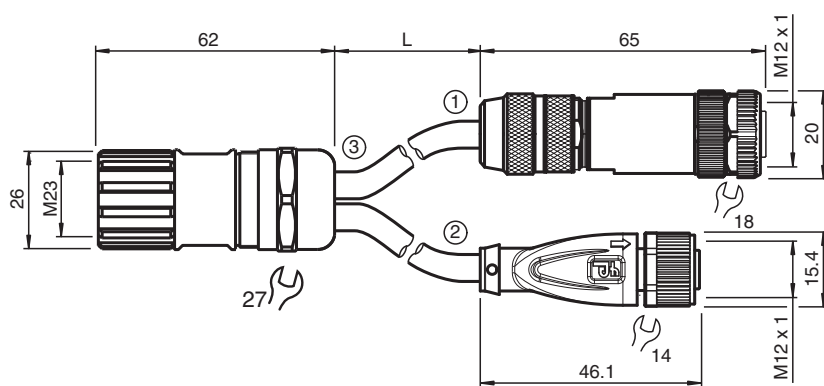
V1/15B-G-0,3M-LIHCH-TP-T-V23-G

- Halogen-free
- Degree of protection IP67

Y connection cable M23 plug straight A-coded 12-pin to M12 socket straight 5-pin B-coded / M12 socket 4-pin straight A-coded, 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            |  | B-coded          |
| Connector 2       |  |                  |
| Connection        |  | socket           |
| Construction type |  | M12              |
| Style             |  | straight         |
| Locking           |  | screw connection |
| Number of pins    |  | 4                |
| Coding            |  | A-coded          |
| Connector 3       |  |                  |
| Connection        |  | plug             |
| Construction type |  | M23              |
| Style             |  | straight         |

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

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## Technical Data

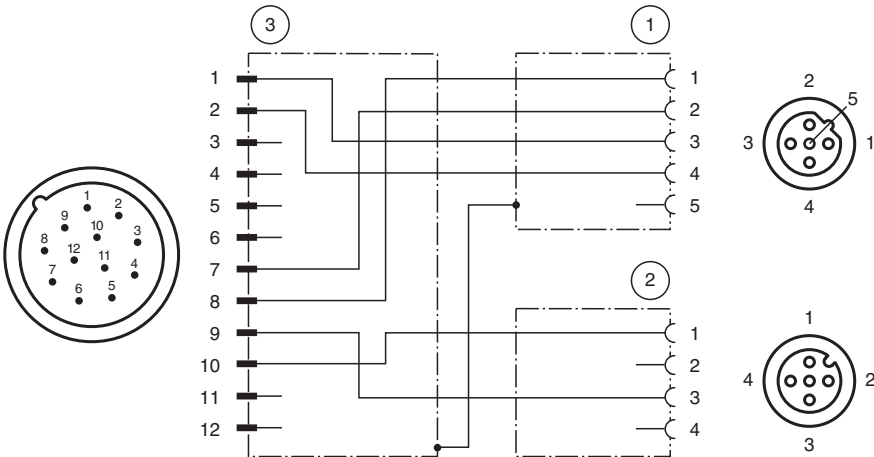
|                           |                |                                                                                         |
|---------------------------|----------------|-----------------------------------------------------------------------------------------|
| Locking                   |                | screw connection                                                                        |
| Number of pins            |                | 12                                                                                      |
| Coding                    |                | A-coded                                                                                 |
| 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                                                     |
| Halogen-free              |                | DIN VDE 0472-815<br>DIN EN 50267-2-1                                                    |
| Ambient conditions        |                |                                                                                         |
| Ambient temperature       |                |                                                                                         |
| Connector 1               |                | -40 ... 85 °C (-40 ... 185 °F)                                                          |
| Connector 2               |                | -40 ... 90 °C (-40 ... 194 °F)                                                          |
| Connector 3               |                | -40 ... 125 °C (-40 ... 257 °F)                                                         |
| Cable, fixed installation |                | -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                                                                                  |
| Tool installation         |                | straight knurling , hexagon nut SW = 18 mm                                              |
| Mating cycles             |                | min. 50                                                                                 |
| Shielding                 |                | shield connected to screw connection                                                    |
| Degree of protection      |                | IP67                                                                                    |
| Connector 2               |                |                                                                                         |
| Tightening torque         |                | 0.6 Nm                                                                                  |
| Loosening protection      |                | available                                                                               |
| Tool installation         |                | straight knurling , hexagon nut SW = 14 mm                                              |
| Mating cycles             |                | min. 100                                                                                |
| Shielding                 |                | none                                                                                    |
| Degree of protection      |                | IP68 / IP69                                                                             |
| Connector 3               |                |                                                                                         |
| Tool installation         |                | straight knurling , hexagon nut SW = 27 mm                                              |
| Mating cycles             |                | min. 1000                                                                               |
| 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           |                | 4.8 mm                                                                                  |
| Bending radius            |                | > 10 x cable diameter, movable installation<br>> 5 x cable diameter, fixed installation |
| Sheath stripping force    |                | max. 100 N / 300 mm                                                                     |
| Sheath color              |                | grey (similar to RAL 7001)                                                              |
| Number of cores           |                | 4                                                                                       |
| Core cross section        |                | 0.34 mm <sup>2</sup>                                                                    |
| Cores color               |                | Core 1: brown<br>Core 2: white<br>Core 3: blue<br>Core 4: black                         |
| Core construction         |                | 19 x 0.15 mm Ø                                                                          |
| Shield                    |                | tinned copper braiding, 85 % coverage                                                   |
| Length                    | L              | 0.3 m                                                                                   |
| Cable code                |                | Li 9Y 11YM 4 x 0.34                                                                     |
| Mass                      |                | 168.1 g                                                                                 |

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Technical Data

|                     |  |                             |
|---------------------|--|-----------------------------|
| 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                  |
| Seal                |  | FKM                         |
| Contact surface     |  | Au                          |
| Flammability        |  | V-2                         |
| Connector 3         |  |                             |
| Screw connection    |  | Diecast zinc                |
| Body                |  | Diecast zinc                |
| Contact surface     |  | Au                          |
| Cable               |  |                             |
| Sheathing           |  | PUR based on polyether      |
| Core insulation     |  | PP                          |
| Chemical resistance |  | good                        |

Connection



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