

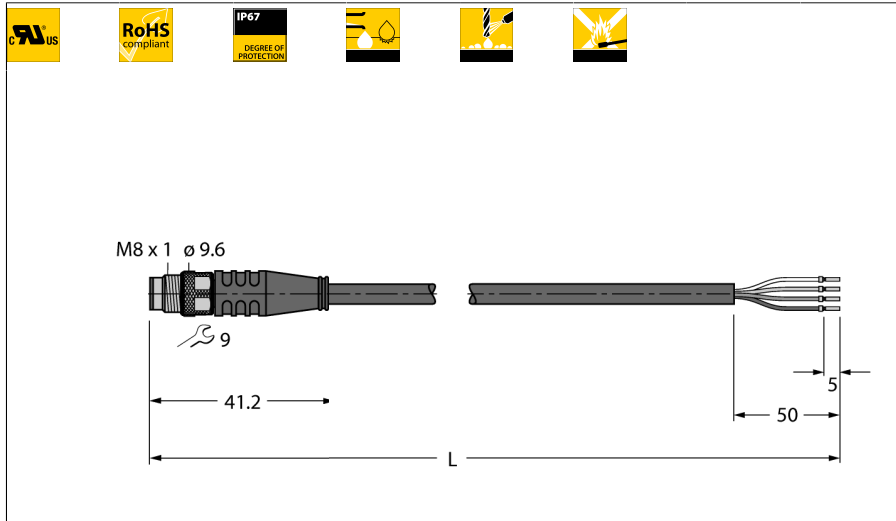
# Actuator And Sensor Cable / PVC

## Connection cable

### PSG4M-2/TEY

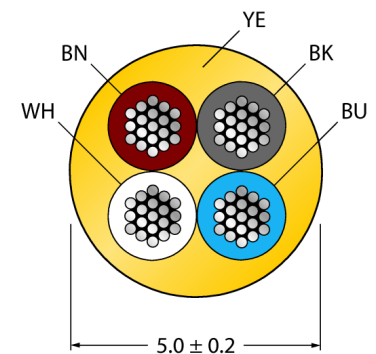
**TURCK**

Industrial  
Automation



- Male M8, straight, 4-pin
- Sheath material: PVC
- Sheath color: yellow
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 2.0 m

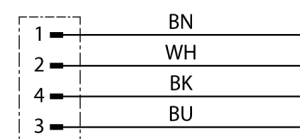
#### Cable Cross-section



#### General information

Drawing shows design status including hexagon coupling nut (Start of production CW21/2016).

#### Circuit Diagram




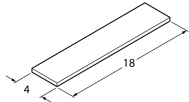
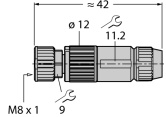
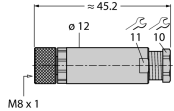
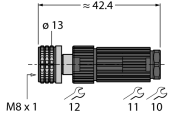
|   |   |
|---|---|
| <b>Type designation</b>                   | PSG4M-2/TEY   |
| Ident no.                                 | 6630124   |
| <b>Connector A side</b>                   | Connector, M8 ⚡ 1, Straight                               |
| Number of pins                            | 4   |
| Contacts                                  | Brass, CuZn, Gold-plated                                  |
| Contact carriers                          | Plastic, TPU, Black                                       |
| Grip                                      | Plastic, TPU, Black                                       |
| Coupling nut/screw                        | Brass, CuZn, Nickel-plated                                |
| Protection class                          | IP67, A + B side screwed together                         |
| Mechanical lifespan                       | > 100 Mating cycles                                       |
| Pollution degree                          | 3   |
| Tightening torque                         | 0.5 ... 0.6 Nm<br>(observe max. torque of counter piece!) |
| <b>General data</b>                       |   |
| Cable diameter                            | 5 ± 0.20mm  |
| Cable length                              | 2 m   |
| Cable quality                             | PVC   |
| Cable color                               | Yellow  |
| Core insulation                           | PVC   |
| Core colors                               | BN, WH, BU, BK  |
| Core cross-section                        | 4x0.34mm <sup>2</sup>                                     |
| Arrangement of strands                    | 42x0.1 mm   |
| <b>Electrical features at +20 °C</b>      |   |
| Current                                   | 4 A   |
| Rated voltage                             | 30 V  |
| Insulation resistance                     | > 30.5 MΩ/km  |
| Test voltage                              | 2000 V  |
| Forward resistance                        | max. 57 Ω/km  |
| <b>Mechanical and chemical properties</b> |   |
| Bending radius (stationary laying)        | > 5 x Ø   |
| Bending radius (flexible use)             | > 10 x Ø  |
| Ambient temperature                       |   |
| Stationary                                | -40...+105°C  |
| In motion                                 | 0...+80°C   |

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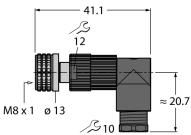
Industrial  
Automation

**Accessories**

| Type code                        | Ident no. | Description  |   |
|----------------------------------|-----------|--|---|
| Torque-Wrench-Set-AS             | 6936170   | Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)  |    |
| BLANK-LABEL-FOR-CORDSETS-TEL-TXL | 6936206   | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant  |    |
| HA5141-0                         | 6905405   | Field-wireable female connector, M8 (1, straight, 4-pin, insulation piercing connection, cable feedthrough 2.5 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm <sup>2</sup> , plastic housing, metal nut |  |
| B5143-0                          | 6901031   | Field-wireable female connector, M8 (1, straight, 4-pin, screw terminal connection, cable feedthrough 3.5 to 5.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm <sup>2</sup> , plastic housing, metal nut      |  |
| H5141-0                          | 6902720   | Field-wireable female connector, M8 (1, straight, 4-pin, pressfit technology, cable feedthrough 4.0 to 5.0 mm, core cross-section/terminal capacity 0.14 to 0.34 mm <sup>2</sup> , plastic housing, metal nut            |  |

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**Accessories**

| Type code | Ident no. | Description   |   |
|-----------|-----------|---|---|
| H5241-0   | 6902820   | Field-wireable female connector, M8 -  , 1, angled, 4-pin, pressfit technology, cable feedthrough 4.0 to 5.0 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut |  |