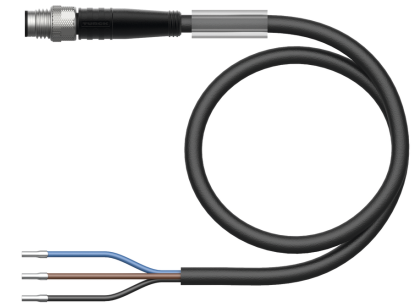
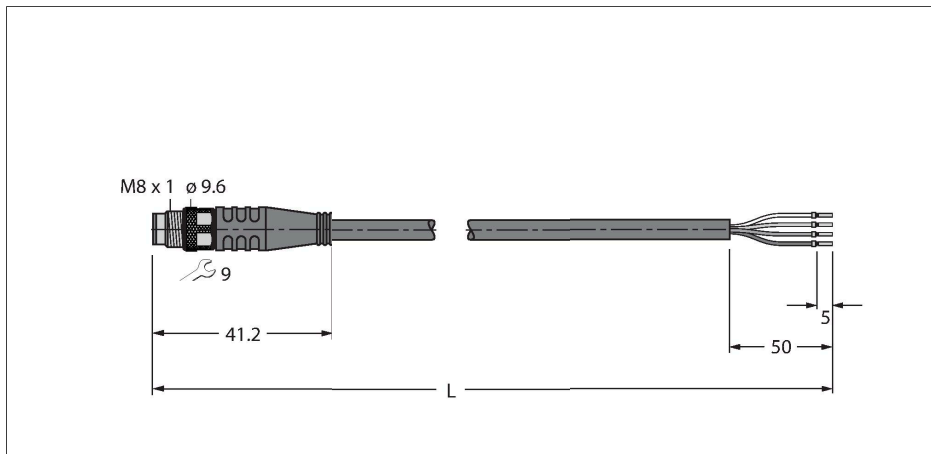


PSG4M-10/TEL

Actuator, Sensor and Supply Cable, PVC – Connection Cable



Technical data

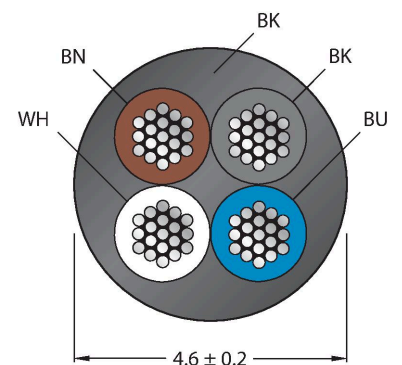
| | |
|---------------------------------|--|
| Type | PSG4M-10/TEL |
| ID | 6625075 |
| Connector A | Male, M8 × 1, Straight |
| Number of Pins | 4 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Black |
| Coupling nut/screw | Brass, CuZn, Nickel-plated |
| Tightening torque (range) | 0.5 ... 0.6 Nm (observe max. torque of mating connector!) |
| Mechanical lifespan | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class | IP67, IP69K, Only in screwed condition |
| Cable | |
| Cable diameter | Ø 4.6 mm ±0.20 |
| Cable length | 10 m |
| Cable jacket | PVC, Black |
| Core insulation | PVC |
| Core cross-section | 4 x 0.34 mm ² |
| Arrangement of strands | 42 x 0.1 mm |
| Core colors | BN, WH, BU, BK |
| Electrical properties at +20 °C | |
| Rated voltage | 50 V _{AC} /60 V _{DC} |
| Test voltage | 2000 V |
| Current | 4 A |
| Insulation resistance | > 30.5 MΩ/km |
| forward resistance | max. 57 Ω/km |

Features



- Male M8, straight, 4-pin
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 10 m

Cable Cross-Section



Contact assignment



Technical data

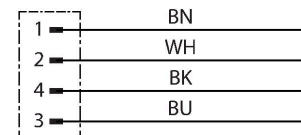
Mechanical and chemical properties

| | |
|--|------------------------------|
| Bending radius (stationary installation) | $\geq 5 \times \varnothing$ |
| Bending radius (flexible use) | $\geq 10 \times \varnothing$ |
| Ambient temperature range (stationary) | -40...+105 °C |
| Ambient temperature range (In motion) | -5...+80 °C |
| Approvals | cULus |

Functional principle

Drawing shows design status including hexagon coupling nut (Production start CW11/2016).

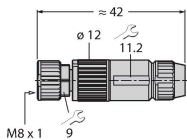
Circuit Diagram



Accessories

HA5141-0

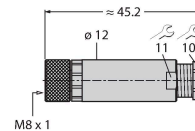
6905405



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 mm², plastic housing, metal nut

B5143-0

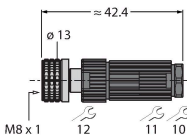
6901031



Konfektionierbare Kupplung, M8 x 1, gerade, 4-polig, Schraubklemmanschluss, Leitungsdurchlass 3.5 bis 5.0 mm, Adernquerschnitt/ Klemmvermögen 0.14 bis 0.50 mm², Kunststoffgehäuse, Metallüberwurfmutter

H5141-0

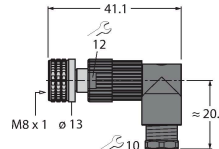
6902720



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 mm², plastic housing, metal nut

H5241-0

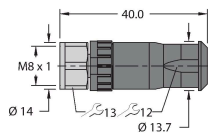
6902820



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

FW-PRKPM0420-SA-S-0406

100002293



Field-wireable female connector, M8 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 5.5 mm, core cross-section/terminal capacity 0.14 to 0.5 mm², plastic housing, metal coupling nut

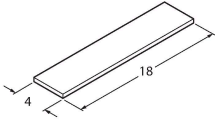
TORQUE-WRENCH-SET-AS

6936170

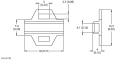
Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

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



Accessories

| Dimension drawing | Type | ID | |
|---|-----------------------|-----------|--|
|  | LABEL-HOLDER-FLEX-PVC | 100048170 | PVC label holder for identification of extension cables (TEL/TXL product series); for cable diameters: min. 5 mm; dimensions 4 × 18 mm; delivery unit: 50 pcs. per package |