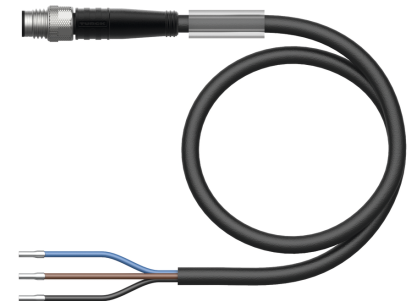
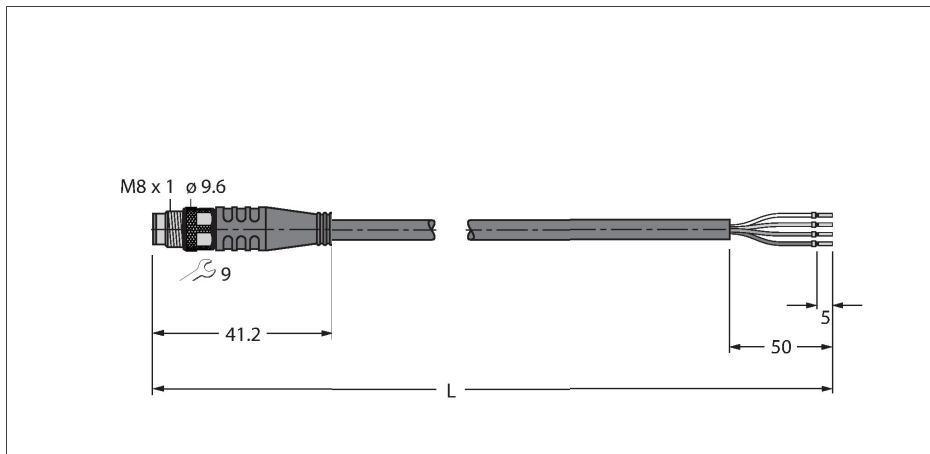


PSG4M-1/TEL

Actuator, Sensor and Supply Cable, PVC – Connection Cable



Technical data

Type	PSG4M-1/TEL
ID	6634172
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	1 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: 1.0 m

Cable Cross-Section



Contact assignment



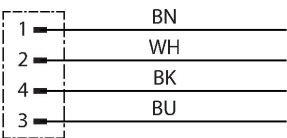
Technical data

Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Ambient temperature (fixed)	-40...+105 °C
Ambient temperature (mobile)	-5...+80 °C
Approvals	cULus

Functional principle

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

Circuit Diagram



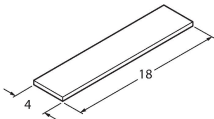
Accessories

TORQUE-WRENCH-SET-AS6936170

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-TXL6936206

Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant



HA5141-06905405

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

B5143-06901031

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

H5141-06902720

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

H5241-06902820

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

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