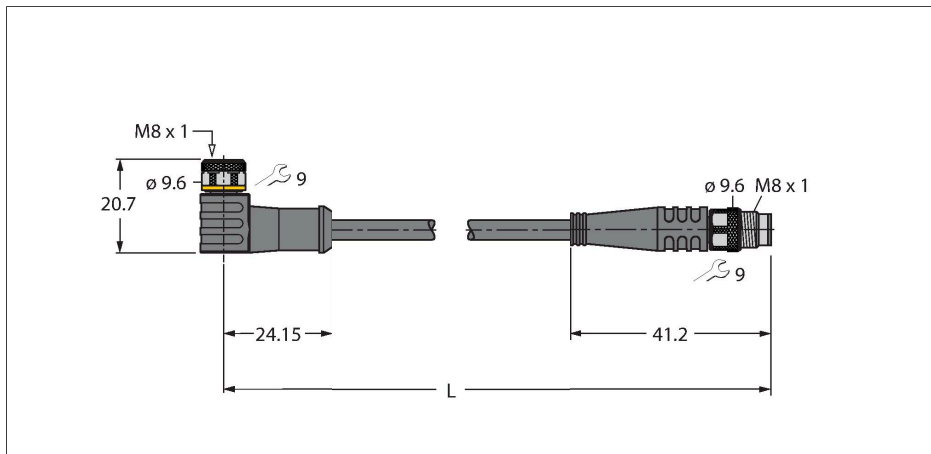


# PKW3M-P7X2-1-PSG3M/TEL

## Actuator and Sensor Cable, PVC – Extension Cable



### Technical data

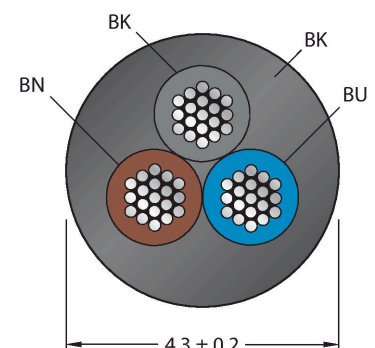
|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Type                         | PKW3M-P7X2-1-PSG3M/TEL                                       |
| ID                           | 6626081                                                      |
| Remark to product            | Figure may differ.                                           |
| Connector A                  | Female, M8 × 1, Angled                                       |
| Number of pins               | 3                                                            |
| Contacts                     | Brass, CuZn, Gold-plated                                     |
| Contact carriers             | Plastic, TPU, Black                                          |
| Connector body               | Plastic, TPU, Translucent                                    |
| Coupling nut/screw           | Brass, CuZn, Nickel-plated                                   |
| Seal                         | Plastic, FPM/FKM                                             |
| Tightening torque (range)    | 0.5 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| LED display                  | dual LED                                                     |
| Display operating voltage    | LED, Green                                                   |
| Display switch state         | LED, Yellow                                                  |
| Mechanical lifespan          | > 100 Mating cycles                                          |
| Pollution degree             | 3                                                            |
| Protection class             | IP67, IP69K, Only in screwed condition                       |
| Connector B                  | Male, M8 × 1, Straight                                       |
| Number of Pins               | 3                                                            |
| Contacts                     | Brass, CuZn, Gold-plated                                     |
| Contact carriers             | Plastic, TPU, Black                                          |
| Connector body               | Plastic, TPU, Black                                          |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated                                   |
| Tightening torque            | 0.5 ... 0.6 Nm (observe max. torque of mating connector!)    |
| Mechanical life              | > 100 Mating cycles                                          |

### Features



- Female M8, angled, 3-pin
- With 2-color LED (PNP, yellow, green)
- Male M8, straight, 3-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



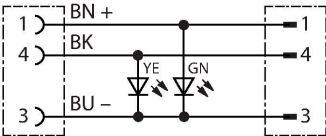
### Contact assignment

Technical data

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| Pollution degree                         | 3                                       |
| Protection class                         | IP67, IP69K, Only when screwed together |
| Cable                                    |                                         |
| Cable diameter                           | Ø 4.3 mm ±0.20                          |
| Cable length                             | 1 m                                     |
| Cable jacket                             | PVC, Black                              |
| Core insulation                          | PVC                                     |
| Core cross-section                       | 3 x 0.34 mm²                            |
| Arrangement of strands                   | 42 x 0.1 mm                             |
| Core colors                              | BN, BU, BK                              |
| Electrical properties at +20 °C          |                                         |
| Rated voltage                            | 30 V <sub>DC</sub>                      |
| Test voltage                             | 2000 V                                  |
| Current                                  | 4 A                                     |
| Insulation resistance                    | > 30.5 MΩ/km                            |
| forward resistance                       | max. 57 Ω/km                            |
| 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                                   |



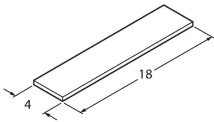
Circuit Diagram



Accessories

|                                                                                                                       |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|
| 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 x 18 mm; delivery unit: 50 pcs. per package |