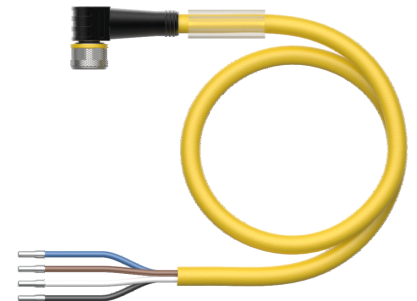
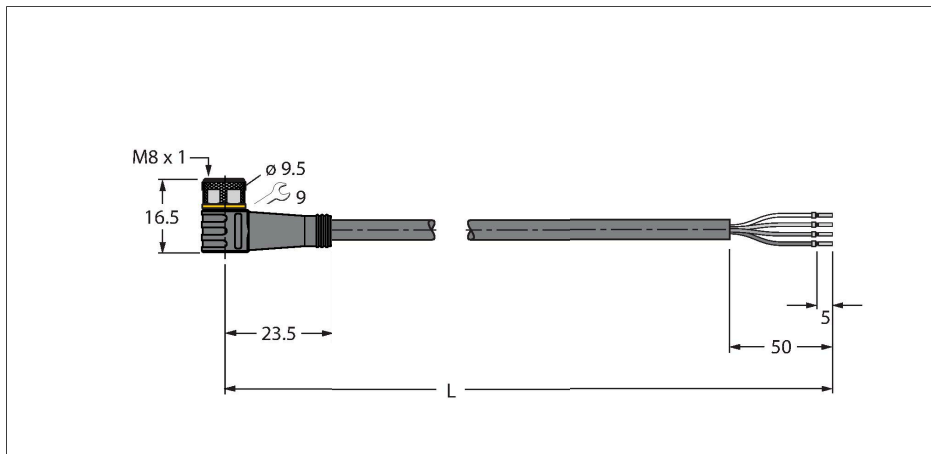


# PKW4M-5/TXY

## Actuator and Sensor Cable, PUR – Connection Cable



### Technical data

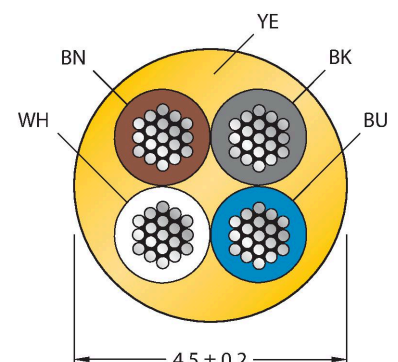
|  |  |
|--|--|
| Type                                   | PKW4M-5/TXY  |
| ID                                     | 6630087  |
| Connector A                            | Female, M8 x 1, Angled                                       |
| Number of Pins                         | 4  |
| Contacts                               | Brass, CuZn, Gold-plated                                     |
| Contact carriers                       | Plastic, TPU, Black  |
| Connector body                         | Plastic, TPU, Black  |
| Coupling nut/screw                     | Brass, CuZn, Nickel-plated                                   |
| Seal                                   | Plastic, FPM/FKM   |
| Tightening torque (range)              | 0.5 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan                    | > 100 Mating cycles  |
| Pollution degree                       | 3  |
| Protection class                       | IP67, IP69K, Only in screwed condition                       |
| <b>Cable</b>                           |  |
| Cable diameter                         | Ø 4.5 mm ±0.20   |
| Cable length                           | 5 m  |
| Cable jacket                           | PUR, Yellow  |
| Core insulation                        | PP   |
| Core cross-section                     | 4 x 0.34 mm <sup>2</sup>                                     |
| Arrangement of strands                 | 42 x 0.1 mm  |
| Core colors                            | BN, WH, BU, BK   |
| <b>Electrical properties at +20 °C</b> |  |
| Rated voltage                          | 50 V <sub>AC</sub> /60 V <sub>DC</sub>                       |
| Test voltage                           | 2000 V   |
| Current                                | 4 A  |
| Insulation resistance                  | > 30.5 MΩ/km   |

### Features



- Female M8, angled, 4-pin
- Jacket material: PUR
- Jacket color: yellow
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 5.0 m

### Cable Cross-Section



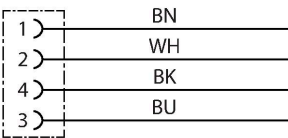
### Contact assignment

Technical data

|   |                              |
|---|------------------------------|
| forward resistance                              | max. 57 Ω/km                 |
| Mechanical and chemical properties              |                              |
| Bending radius (stationary installation)        | ≥ 5 x Ø                      |
| Bending radius (flexible use)                   | ≥ 10 x Ø                     |
| Bending cycles                                  | ≥ 5 million                  |
| Admissible acceleration                         | max. 5 m/s <sup>2</sup>      |
| Admissible travel path, horizontal              | 5 m (at 5 m/s <sup>2</sup> ) |
| Admissible travel path, vertical                | 2 m (at 5 m/s <sup>2</sup> ) |
| Admissible traversing speed                     | 3.3 m/s                      |
| Torsional stress                                | ± 180 °/m                    |
| Ambient temperature range (stationary)          | -50...+80 °C                 |
| Ambient temperature range (In motion)           | -25...+80 °C                 |
| Ambient temperature during drag chain operation | -25...+60 °C                 |
| Approvals                                       | cULus                        |



Circuit Diagram



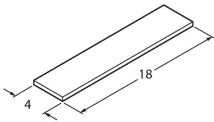
Accessories

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



HAS5141-06905403

Field-wireable male 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

BS5143-06901013

Field-wireable male 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 mm², plastic housing, metal retaining screw

HS5141-06902730

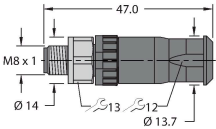
Field-wireable male connector, M8 × 1, straight, 4-pin, pressfit technology, cable feedthrough 4.0 to 5.0 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut

HS5241-06902830

Field-wireable male 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-PRSPM0420-SA-S-0406

100002295



Field-wireable male 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 retaining screw

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 |