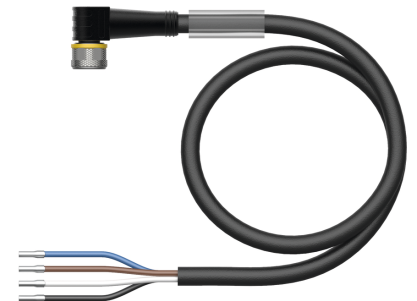
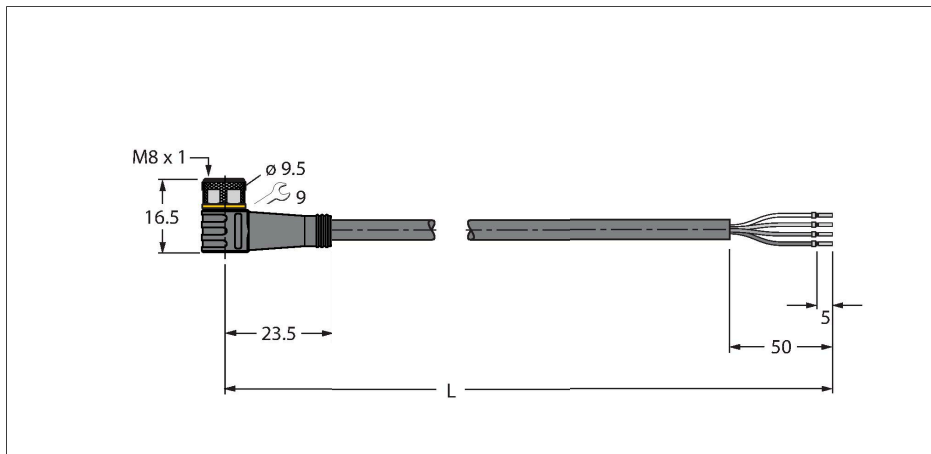


# PKW4M-15/TXL

## Actuator, Sensor and Supply Cable, PUR – Connection Cable



### Technical data

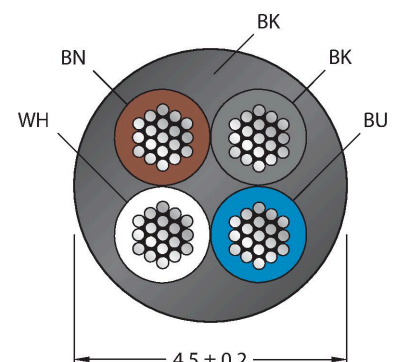
|                                        |                                                              |
|----------------------------------------|--------------------------------------------------------------|
| Type                                   | PKW4M-15/TXL                                                 |
| ID                                     | 6626715                                                      |
| Connector A                            | Female, M8 × 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                           | 15 m                                                         |
| Cable jacket                           | PUR, Black                                                   |
| 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: black
- 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: 15 m

### Cable Cross-Section



### Contact assignment

## Technical data

forward resistance max. 57  $\Omega$ /km



### Mechanical and chemical properties

Bending radius (stationary installation)  $\geq 5 \times \varnothing$

Bending radius (flexible use)  $\geq 10 \times \varnothing$

Bending cycles  $\geq 5$  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  $\pm 180$  °/m

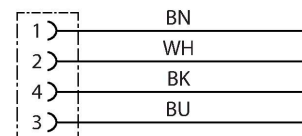
Ambient temperature range (stationary) -50...+80 °C

Ambient temperature range (In motion) -25...+80 °C

Ambient temperature during drag chain operation -25...+60 °C

Approvals cULus

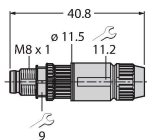
## Circuit Diagram



## Accessories

HAS5141-0

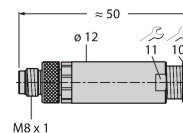
6905403



Field-wireable male connector, M8  $\times$  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

BS5143-0

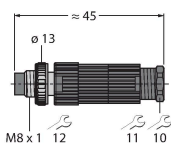
6901013



Field-wireable male connector, M8  $\times$  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 retaining screw

HS5141-0

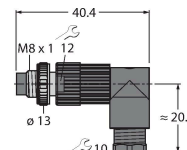
6902730



Field-wireable male connector, M8  $\times$  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

HS5241-0

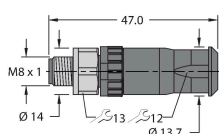
6902830



Field-wireable male connector, M8  $\times$  1, angled, 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

FW-PRSPM0420-SA-S-0406

100002295



Field-wireable male connector, M8  $\times$  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 mm<sup>2</sup>, plastic housing, metal retaining screw

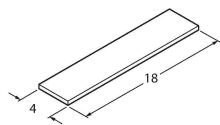
TORQUE-WRENCH-SET-AS

6936170

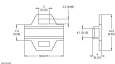
Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

BLANK-LABEL-FOR-CORDSETS-TEL-TXL6936206

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 |