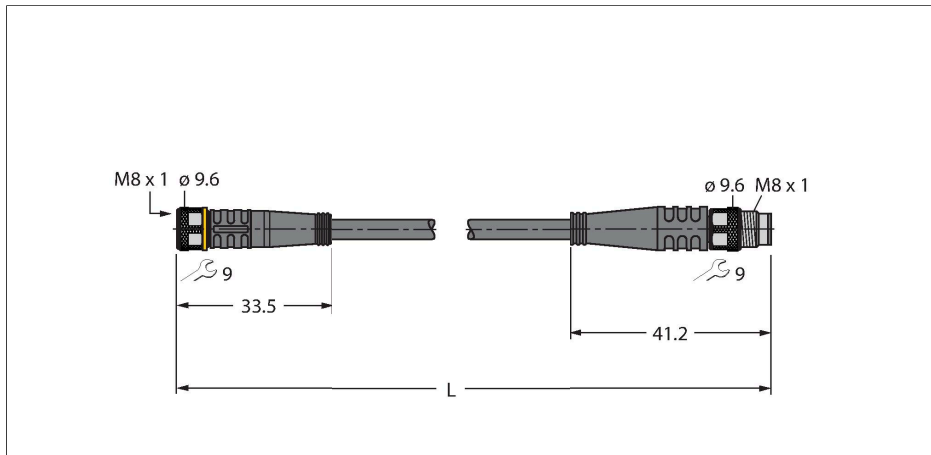


# PKG4M-5-PSG4M/TRL

## Actuator and Sensor Cable Suitable for Use with Robots – Extension Cable



### Technical data

|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Type                         | PKG4M-5-PSG4M/TRL                                            |
| ID                           | 6543154                                                      |
| Connector A                  | Female, 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                                   |
| 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                       |
| Connector B                  | 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/retaining screw | Brass, CuZn, Nickel-plated                                   |
| Tightening torque            | 0.5 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| Mechanical life              | > 100 Mating cycles                                          |
| Pollution degree             | 3                                                            |
| Protection class             | IP67, IP69K, Only when screwed together                      |

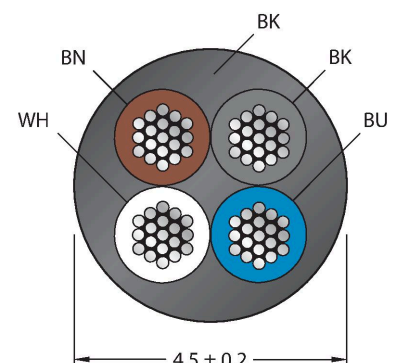


### Features



- Female M8, straight, 4-pin
- Male M8, straight, 4-pin
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Torsion resistant ( $\pm 360^\circ/\text{m}$ )
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Flame retardant
- Resistant to hydrolysis and microbes
- Protection class: IP67, IP69K
- Cable length: 5.0 m

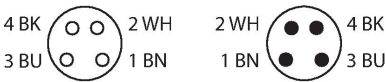
### Cable Cross-Section



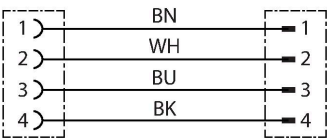
### Contact assignment

Technical data

| Cable                                    |                                        |
|------------------------------------------|----------------------------------------|
| Cable diameter                           | Ø 4.5 mm ±0.20                         |
| Cable length                             | 5 m                                    |
| Cable jacket                             | PUR, Black                             |
| Core insulation                          | PP                                     |
| Core cross-section                       | 4 x 0.34 mm²                           |
| Arrangement of strands                   | 42 x 0.1 mm                            |
| Core colors                              | BN, WH, BU, BK                         |
| Electrical properties at +20 °C          |                                        |
| Rated voltage                            | 50 V <sub>AC</sub> /60 V <sub>DC</sub> |
| Test voltage                             | 2000 V                                 |
| Current                                  | 4 A                                    |
| Mechanical and chemical properties       |                                        |
| Bending radius (stationary installation) | ≥ 5 x Ø                                |
| Bending radius (flexible use)            | ≥ 10 x Ø                               |
| Bending cycles                           | ≥ 10 million                           |
| Admissible travel path, horizontal       | 5 m (at 5 m/s²)                        |
| Admissible travel path, vertical         | 2 m (at 5 m/s²)                        |
| Torsional stress                         | ± 360 °/m                              |
| Torsion cycles                           | Max. 5 million                         |
| Torsion speed                            | 20 Cycles/min                          |
| Ambient temperature (fixed)              | -50...+80 °C                           |
| Ambient temperature (mobile)             | -25...+80 °C                           |
| Halogen-free                             | Acc. to IEC 60754-1-2                  |
| LABS free                                | Acc. to PV3.10.7                       |
| Oil-resistant                            | Acc. to EN 60811-2-1                   |
| Flame-retardant                          | Acc. to IEC 60332-2-2, FT2             |
| Approvals                                | cULus<br>CE<br>UKCA                    |



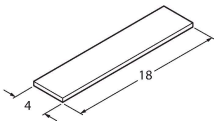
Circuit Diagram



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