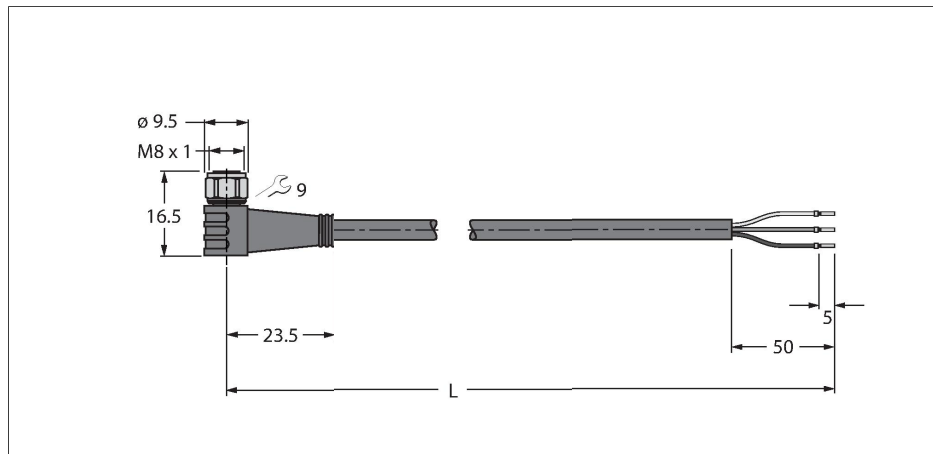


# PKWV3M-5/TEG

## Actuator and Sensor Cable, PVC – Connection Cable



### Features

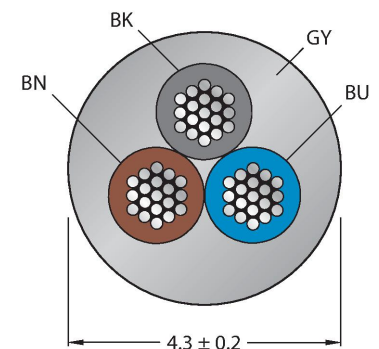


- Female M8, angled, 3-pin
- Stainless steel coupling nut/screw
- Jacket material: PVC
- Jacket color: gray
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 5.0 m

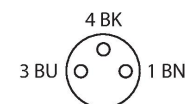
### Technical data

|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| Type                            | PKWV3M-5/TEG                                                 |
| ID                              | 6629208                                                      |
| Connector A                     | Female, M8 × 1, Angled                                       |
| Number of pins                  | 3                                                            |
| Contacts                        | Brass, CuZn, Gold-plated                                     |
| Contact carriers                | Plastic, TPU, Black                                          |
| Connector body                  | Plastic, TPU, Black                                          |
| Coupling nut/screw              | Stainless Steel, V4A                                         |
| 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                       |
| Cable                           |                                                              |
| Cable diameter                  | Ø 4.3 mm ±0.20                                               |
| Cable length                    | 5 m                                                          |
| Cable jacket                    | PVC, Gray                                                    |
| 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                   | 50 V <sub>AC</sub> /60 V <sub>DC</sub>                       |
| Test voltage                    | 2000 V                                                       |
| Current                         | 4 A                                                          |
| Insulation resistance           | > 30.5 MΩ/km                                                 |

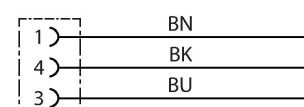
### Cable Cross-Section



### Contact assignment



### Circuit Diagram



Technical data

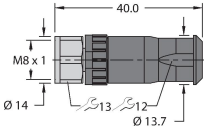
|                                          |               |
|------------------------------------------|---------------|
| forward resistance                       | max. 57 Ω/km  |
| Mechanical and chemical properties       |               |
| Bending radius (stationary installation) | ≥ 5 x Ø       |
| Bending radius (flexible use)            | ≥ 10 x Ø      |
| Ambient temperature (fixed)              | -40...+105 °C |
| Ambient temperature (mobile)             | -5...+80 °C   |
| Approvals                                | cULus         |

Accessories

|                                                                                                                       |         |                                                                                                                                         |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
| TORQUE-WRENCH-SET-AS                                                                                                  | 6936170 | BLANK-LABEL-FOR-CORDSETS-TEL-TXL                                                                                                        | 6936206 |
| Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14) |         | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant |         |



|                                                                                                                                                                                                                 |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| FW-PRKPM0320-SA-S-0406                                                                                                                                                                                          | 100002292 |
| Field-wireable female connector, M8 × 1, straight, 3-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 |
|                   |                       |           |                                                                                                                                                                            |