

# PKW3M-P7X2-2/TEL

## Actuator and Sensor Cable, PVC – Connection Cable



### Technical data

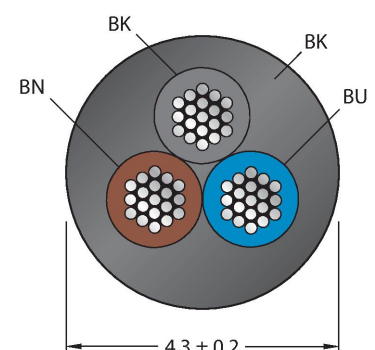
|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| Type                            | PKW3M-P7X2-2/TEL                                             |
| ID                              | 6626084                                                      |
| 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                       |
| Cable                           |                                                              |
| Cable diameter                  | Ø 4.3 mm ±0.20                                               |
| Cable length                    | 2 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>                                           |

### Features



- Female M8, angled, 3-pin
- With 2-color LED (PNP, yellow, green)
- 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: 2.0 m

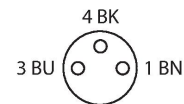
### Cable Cross-Section



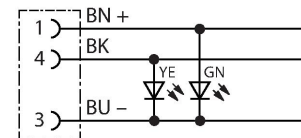
### Contact assignment

## Technical data

|                                           |               |
|-------------------------------------------|---------------|
| Test voltage                              | 2000 V        |
| Current                                   | 4 A           |
| Insulation resistance                     | > 30.5 MΩ/km  |
| forward resistance                        | max. 57 Ω/km  |
| <b>Mechanical and chemical properties</b> |               |
| Bending radius (stationary installation)  | ≥ 5 x Ø       |
| Bending radius (flexible use)             | ≥ 10 x Ø      |
| Ambient temperature range (stationary)    | -40...+105 °C |
| Ambient temperature range (In motion)     | -5...+80 °C   |
| Approvals                                 | cULus         |



## Circuit Diagram



## Accessories

|                                         |         |                                                                                                                                                                                                            |
|-----------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TORQUE-WRENCH-SET-AS</b>             | 6936170 | Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)                                                                                      |
| <b>BLANK-LABEL-FOR-CORDSETS-TEL-TXL</b> | 6936206 | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant                                                                    |
| <b>HAS5131-0</b>                        | 6905402 | Field-wireable male connector, M8 x 1, straight, 3-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 |
| <b>BS5133-0</b>                         | 6901012 | Konfektionierbarer Stecker, M8 x 1, gerade, 3-polig, Schraubklemmanschluss, Leitungsdurchlass 3.5 bis 5.0 mm, Adernquerschnitt/ Klemmvermögen 0.14 bis 0.50 mm², Kunststoffgehäuse, Metallüberwurfschraube |
| <b>HS5131-0</b>                         | 6902710 | Field-wireable male connector, M8 x 1, straight, 3-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            |
| <b>HS5231-0</b>                         | 6902810 | Field-wireable male connector, M8 x 1, angled, 3-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-PRKPM0320-SA-S-0406

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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 |