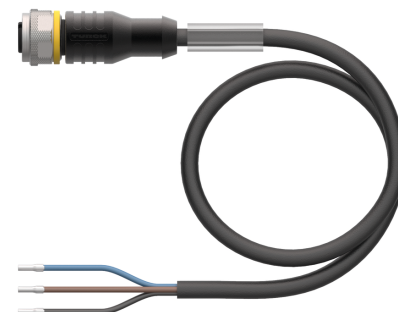


# RKC4T-1/TEL1075

## Actuator and Sensor Cable, PVC – Connection Cable



### Technical data

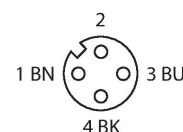
|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Type                                      | RKC4T-1/TEL1075                        |
| ID                                        | 6636749                                |
| Connector A                               | Female, M12 × 1, Straight, A-coded     |
| Number of pins                            | 3                                      |
| 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                       |
| Mechanical lifespan                       | > 100 Mating cycles                    |
| Pollution degree                          | 3                                      |
| Protection class                          | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                              |                                        |
| Cable diameter                            | ±0.20                                  |
| Cable length                              | 1 m                                    |
| Cable jacket                              | PVC, Black                             |
| Core insulation                           | PVC                                    |
| Core cross-section                        | 0.75 mm²                               |
| Arrangement of strands                    | 19 x 0.23 mm                           |
| <b>Electrical properties at +20 °C</b>    |                                        |
| Rated voltage                             | 250 V                                  |
| Test voltage                              | 2000 V                                 |
| Current                                   | 4 A                                    |
| Insulation resistance                     | > 30.5 MΩ/km                           |
| forward resistance                        | max. 24 Ω/km                           |
| <b>Mechanical and chemical properties</b> |                                        |
| Bending radius (stationary installation)  | ≥ 5 x Ø                                |

### Features

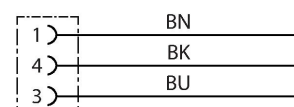


- Female M12, straight, 3-pin
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame-retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Approval: cULus
- RoHS-compliant
- Protection class: IP67, IP69K
- Cable length: 1.0 m

### Contact assignment



### Circuit Diagram



Technical data

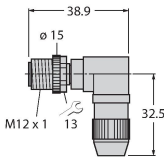
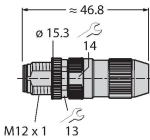
|                               |               |
|-------------------------------|---------------|
| Bending radius (flexible use) | ≥ 10 x Ø      |
| Ambient temperature (fixed)   | -40...+105 °C |
| Ambient temperature (mobile)  | -5...+80 °C   |

Accessories

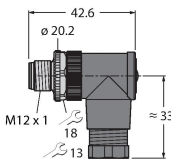
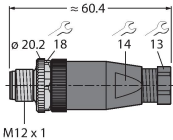
|                                                                                                                       |         |                                                                                                                                         |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
| 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 |         |



|                                                                                                                                                                                                             |         |                                                                                                                                                                                                           |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| HAS8141-0                                                                                                                                                                                                   | 6905406 | HAS8241-0                                                                                                                                                                                                 | 6905400 |
| Field-wireable male connector, M12 × 1, straight, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut |         | Field-wireable male connector, M12 × 1, angled, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut |         |



|                                                                                                                                                                                                                    |       |                                                                                                                                                                                                             |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| BS8141-0                                                                                                                                                                                                           | 69010 | BS8241-0                                                                                                                                                                                                    | 69011 |
| Field-wireable male connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw |       | Field-wireable connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 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 |