

# RSC4.4T-15/TXL1075

## Actuator and Sensor Cable, PUR – Connection Cable



### Technical data

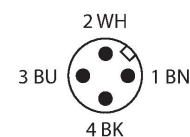
|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Type                                      | RSC4.4T-15/TXL1075                     |
| ID                                        | 6636415                                |
| Connector A                               | Male, M12 × 1, Straight, A-coded       |
| 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             |
| Mechanical lifespan                       | > 100 Mating cycles                    |
| Pollution degree                          | 3                                      |
| Protection class                          | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                              |                                        |
| Cable diameter                            | Ø 6.2 mm ±0.20                         |
| Cable length                              | 15 m                                   |
| Cable jacket                              | PUR, Black                             |
| Core insulation                           | PP                                     |
| Core cross-section                        | 4 x 0.75 mm <sup>2</sup>               |
| Arrangement of strands                    | 19 x 0.23 mm                           |
| Core colors                               | BN, WH, BU, BK                         |
| <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

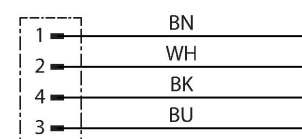


- Male M12, straight, 4-pin
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 15 m

### Contact assignment



### Circuit Diagram



Technical data

|                                    |                 |
|------------------------------------|-----------------|
| Bending radius (flexible use)      | ≥ 10 x Ø        |
| Bending cycles                     | ≥ 5 million     |
| Admissible acceleration            | max. 5 m/s²     |
| Admissible travel path, horizontal | 5 m (at 5 m/s²) |
| Admissible travel path, vertical   | 2 m (at 5 m/s²) |
| Admissible traversing speed        | 3.3 m/s         |
| Torsional stress                   | ± 180 °/m       |
| Ambient temperature (fixed)        | -50...+80 °C    |
| Ambient temperature (mobile)       | -25...+80 °C    |
| Ambient temperature (drag chain)   | -25...+60 °C    |
| Approvals                          | cULus           |

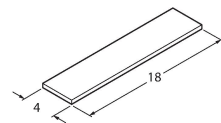
Accessories

TORQUE-WRENCH-SET-AS6936170

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



HA8141-06905407

Field-wireable female 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

HA8241-06905401

Field-wireable female 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

B8141-069049

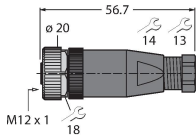
Field-wireable female connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, plastic nut

B8241-069048

Field-wireable female 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, plastic nut

## BM8141-0

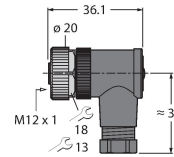
6935145



Field-wireable female connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm<sup>2</sup>, plastic housing, metal nut

## BM8241-0

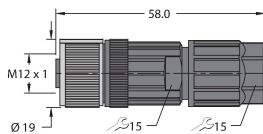
6935889



Field-wireable female connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm<sup>2</sup>, plastic housing, metal nut

## FW-ERKPM0426-SA-P-0408

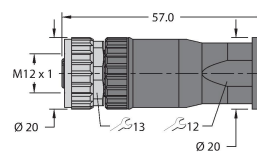
100002047



Field-wireable female connector, M12 × 1, straight, 4-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm<sup>2</sup>, plastic housing, metal coupling nut

## FW-ERKPM0416-SA-S-0408

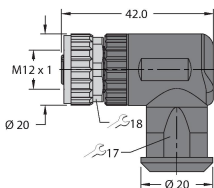
100002283



Field-wireable female connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm<sup>2</sup>, plastic housing, metal nut

## FW-EWKPM0416-SA-S-0408

100002286



Field-wireable female connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm<sup>2</sup>, plastic housing, metal 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 |