

# RKC4.441T-10/TEB

## Actuator and Sensor Cable, PVC – Connection Cable



### Technical data

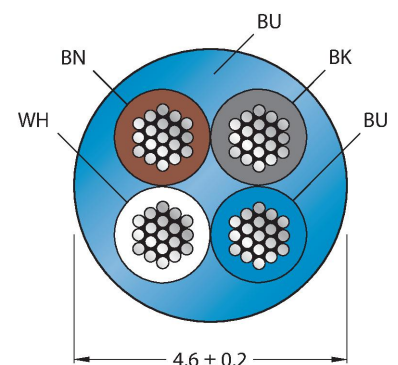
|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Type                                   | RKC4.441T-10/TEB                       |
| ID                                     | 6628446                                |
| Connector A                            | Female, 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             |
| 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                         | Ø 4.6 mm ±0.20                         |
| Cable length                           | 10 m                                   |
| Cable jacket                           | PVC, Blue                              |
| Core insulation                        | PVC                                    |
| Core cross-section                     | 4 x 0.34 mm <sup>2</sup>               |
| Arrangement of strands                 | 42 x 0.1 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. 57 Ω/km                           |
| Nom. capacitance                       | 0.49 pF/m                              |

### Features

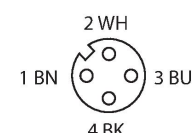


- Female M12, straight, 4-pin
- Jacket material: PVC
- Jacket color: blue
- Flame retardant
- Resistant to chemicals and oils
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 10 m

### Cable Cross-Section



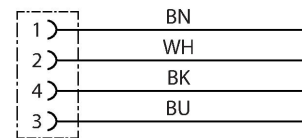
### Contact assignment



## Technical data

|                                           |                              |
|-------------------------------------------|------------------------------|
| Nom. Inductance                           | 1.08 mH/km                   |
| <b>Mechanical and chemical properties</b> |                              |
| Bending radius (stationary installation)  | $\geq 5 \times \varnothing$  |
| Bending radius (flexible use)             | $\geq 10 \times \varnothing$ |
| Ambient temperature range (stationary)    | -40...+105 °C                |
| Ambient temperature range (In motion)     | 0...+80 °C                   |
| Approvals                                 | cULus                        |

## Circuit Diagram



## Accessories

|                        |           |                                                                                                                                                                                                                    |                        |           |                                                                                                                                                                                                                   |
|------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HAS8141-0              | 6905406   | 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        | HAS8241-0              | 6905400   | 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     | 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 | BS8241-0               | 69011     | 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       |
|                        |           |                                                                                                                                                                                                                    |                        |           |                                                                                                                                                                                                                   |
| FW-ERSPM0426-SA-P-0408 | 100002048 | Field-wireable male 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 mm², plastic housing, metal retaining screw        | FW-ERSPM0416-SA-S-0408 | 100002288 | Field-wireable male 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 mm², plastic housing, metal retaining screw |
|                        |           |                                                                                                                                                                                                                    |                        |           |                                                                                                                                                                                                                   |
| FW-EWSPM0416-SA-S-0408 | 100002290 | Field-wireable male 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 mm², plastic housing, metal retaining screw    | 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-TXL6936206

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 |