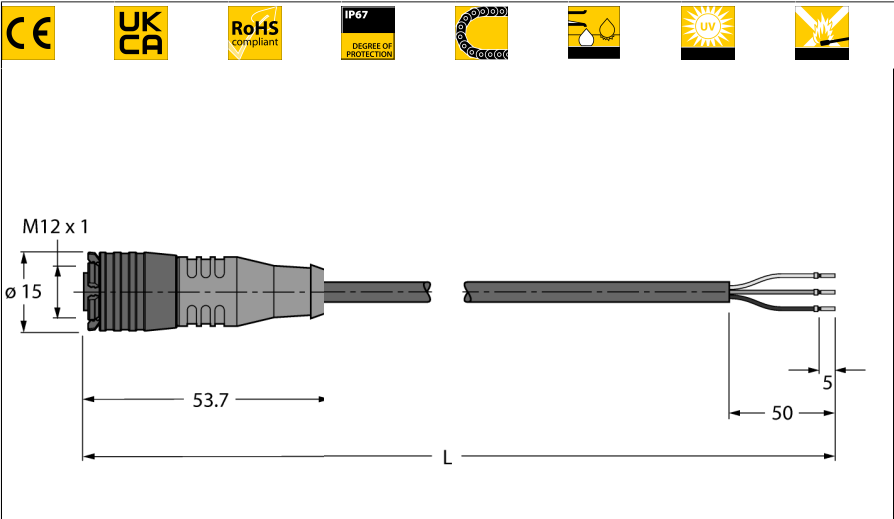


Actuator and Sensor Cable, PUR  
Quick-turn Connection Cable  
RKC4Q-2/TXL

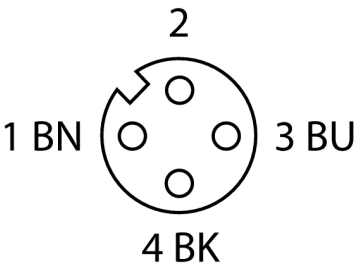


- Female M12, straight, 3-pin
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- RoHS conform
- Protection class IP67
- Cable length: 2.0 m

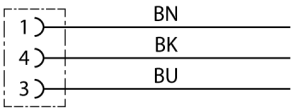
|                     |                                    |
|---------------------|------------------------------------|
| Type                | RKC4Q-2/TXL                        |
| ID                  | 6628010                            |
| Connector A         | Female, M12 × 1, Straight, A-coded |
| Number of pins      | 3                                  |
| Contact carriers    | Plastic, TPU, Black                |
| Connector body      | Plastic, TPU, Yellow               |
| Interlocking sleeve | Plastic, PBT, black                |
| Mechanical lifespan | > 50 Mating cycles                 |
| Pollution degree    | 3                                  |
| Protection class    | IP67, (plugged)                    |

|                        |               |
|------------------------|---------------|
| Cable                  |               |
| Cable diameter         | Ø 4.1mm ±0.20 |
| Cable length           | 2 m m         |
| Cable jacket           | PUR, Black    |
| Core insulation        | PP            |
| Core cross-section     | 3 x 0.34 mm²  |
| Arrangement of strands | 42 x 0.1mm    |
| Core colors            | BN, BU, BK    |

|                                 |              |
|---------------------------------|--------------|
| Electrical properties at +20 °C |              |
| Rated voltage                   | 250V         |
| Test voltage                    | 2000 V       |
| Current                         | 4AA          |
| Insulation resistance           | > 30.5 MΩ/km |
| forward resistance              | max. 57 Ω/km |

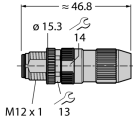
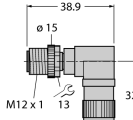
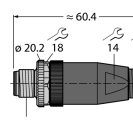
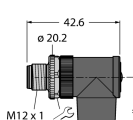
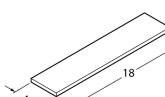


Circuit Diagram



| Mechanical and chemical properties       |                              |
|------------------------------------------|------------------------------|
| Bending radius (stationary installation) | $\geq 5 \times \varnothing$  |
| Bending radius (flexible use)            | $\geq 10 \times \varnothing$ |
| Bending cycles                           | $\geq 5$ million             |
| Admissible acceleration                  | max. 5 m/s <sup>2</sup>      |
| Admissible travel path, horizontal       | 5 m (at 5 m/s <sup>2</sup> ) |
| Admissible travel path, vertical         | 2 m (at 5 m/s <sup>2</sup> ) |
| Admissible traversing speed              | 3.3 m/s                      |
| Torsional stress                         | $\pm 180$ °/m                |
| Ambient temperature (fixed)              | -50...+80°C                  |
| Ambient temperature (mobile)             | -25...+80°C                  |
| Ambient temperature (drag chain)         | -25...+60°C                  |

## Accessories

| Type code                        | Ident no. |                                                                                                                                                                                                                    | Dimension drawing                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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        |  <p>Technical drawing of the HAS8141-0 connector. It is a straight, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length ≈ 46.8 mm, pin diameter ø 15.3 mm, pin spacing 14 mm, and pin height 13 mm. The label 'M12 x 1' is also present.</p>                  |
| 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          |  <p>Technical drawing of the HAS8241-0 connector. It is an angled, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length 38.9 mm, pin diameter ø 15 mm, pin spacing 13 mm, and pin height 32.5 mm. The label 'M12 x 1' is also present.</p>                     |
| 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 |  <p>Technical drawing of the BS8141-0 connector. It is a straight, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length ≈ 60.4 mm, pin diameter ø 20.2 mm, pin spacing 18 mm, pin height 14 mm, and pin width 13 mm. The label 'M12 x 1' is also present.</p> |
| 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        |  <p>Technical drawing of the BS8241-0 connector. It is an angled, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length 42.6 mm, pin diameter ø 20.2 mm, pin spacing 18 mm, pin height 13 mm, and pin width 13 mm. The label 'M12 x 1' is also present.</p>   |
| BLANK-LABEL-FOR-CORDSETS-TEL-TXL | 6936206   | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant                                                                            |  <p>Technical drawing of the BLANK-LABEL-FOR-CORDSETS-TEL-TXL label. It is a rectangular label with dimensions: length 18 mm and height 4 mm.</p>                                                                                                                                                                  |