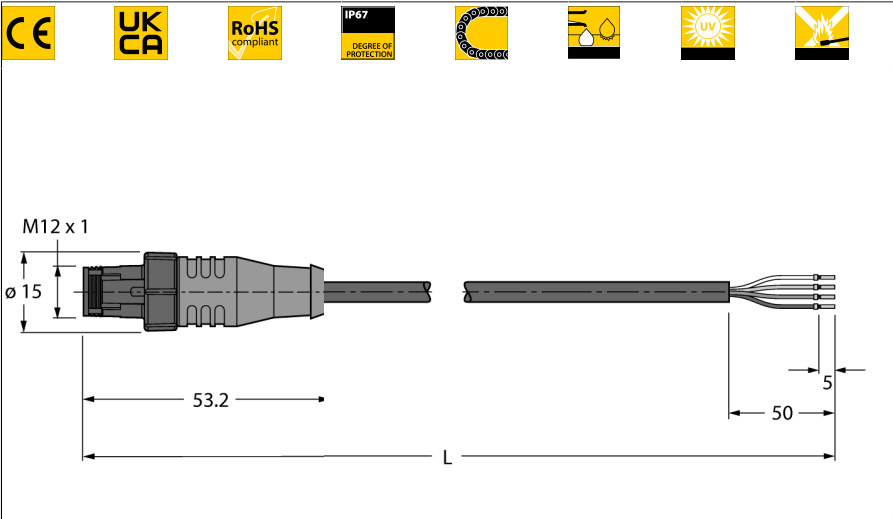


# Actuator and Sensor Cable, PUR Quick-turn Connection Cable RSC4.4Q-5/TXL

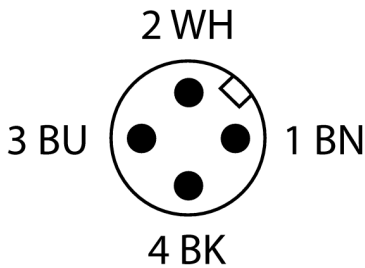


- Male M12, straight, 4-pin
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

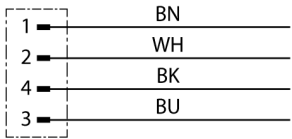
|                     |                                  |
|---------------------|----------------------------------|
| Type                | RSC4.4Q-5/TXL                    |
| ID                  | 6628035                          |
| Connector A         | Male, M12 × 1, Straight, A-coded |
| Number of Pins      | 4                                |
| 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 4.5mm ±0.20  |
| Cable length           | 5 m m          |
| Cable jacket           | PUR, Black     |
| Core insulation        | PP             |
| Core cross-section     | 4 x 0.34 mm²   |
| Arrangement of strands | 42 x 0.1mm     |
| Core colors            | BN, WH, 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 |

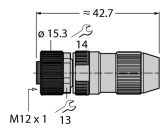
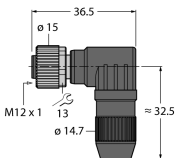
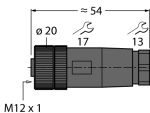
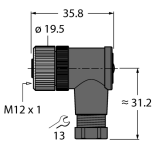
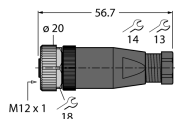
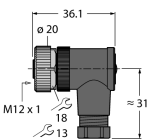


Circuit Diagram

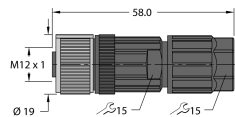
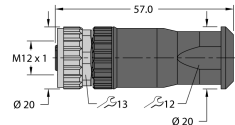
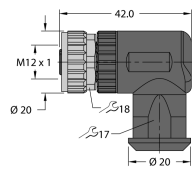
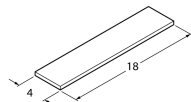


| Mechanical and chemical properties              |                              |
|-------------------------------------------------|------------------------------|
| Bending radius (stationary installation)        | $\geq 5 \times \varnothing$  |
| Bending radius (flexible use)                   | $\geq 10 \times \varnothing$ |
| 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                                | $\pm 180^\circ/\text{m}$     |
| Ambient temperature range (stationary)          | -50...+80°C                  |
| Ambient temperature range (In motion)           | -25...+80°C                  |
| Ambient temperature during drag chain operation | -25...+60°C                  |

## Accessories

| Type code | Ident no. |                                                                                                                                                                                                               | Dimension drawing                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HA8141-0  | 6905407   | 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 |  <p>Technical drawing of the HA8141-0 connector. It is a straight, 4-pin field-wireable female connector. Dimensions shown: overall length ≈ 42.7 mm, outer diameter of the main body ø 15.3 mm, and a smaller diameter of 14 mm. The terminal block is M12 x 1 with a pitch of 13 mm.</p>                                                               |
| HA8241-0  | 6905401   | 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   |  <p>Technical drawing of the HA8241-0 connector. It is an angled, 4-pin field-wireable female connector. Dimensions shown: overall length 36.5 mm, outer diameter of the main body ø 15 mm, and a smaller diameter of 14.7 mm. The terminal block is M12 x 1 with a pitch of 13 mm. The angled part has a height of ≈ 32.5 mm.</p>                       |
| B8141-0   | 69049     | 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    |  <p>Technical drawing of the B8141-0 connector. It is a straight, 4-pin field-wireable female connector with screw terminals. Dimensions shown: overall length ≈ 54 mm, outer diameter of the main body ø 20 mm, and a smaller diameter of 17 mm. The terminal block is M12 x 1 with a pitch of 13 mm.</p>                                              |
| B8241-0   | 69048     | 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      |  <p>Technical drawing of the B8241-0 connector. It is an angled, 4-pin field-wireable female connector with screw terminals. Dimensions shown: overall length 35.8 mm, outer diameter of the main body ø 19.5 mm, and a smaller diameter of 13 mm. The terminal block is M12 x 1 with a pitch of 13 mm. The angled part has a height of ≈ 31.2 mm.</p> |
| 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 mm², plastic housing, metal nut      |  <p>Technical drawing of the BM8141-0 connector. It is a straight, 4-pin field-wireable female connector with screw terminals. Dimensions shown: overall length 56.7 mm, outer diameter of the main body ø 20 mm, and a smaller diameter of 18 mm. The terminal block is M12 x 1 with a pitch of 13 mm.</p>                                            |
| 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 mm², plastic housing, metal nut        |  <p>Technical drawing of the BM8241-0 connector. It is an angled, 4-pin field-wireable female connector with screw terminals. Dimensions shown: overall length 36.1 mm, outer diameter of the main body ø 20 mm, and a smaller diameter of 13 mm. The terminal block is M12 x 1 with a pitch of 13 mm. The angled part has a height of ≈ 31 mm.</p>    |

## Accessories

| Type code                        | Ident no. |                                                                                                                                                                                                            | Dimension drawing                                                                     |
|----------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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 mm², 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 mm², 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 mm², plastic housing, metal nut      |   |
| 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                                                                    |  |