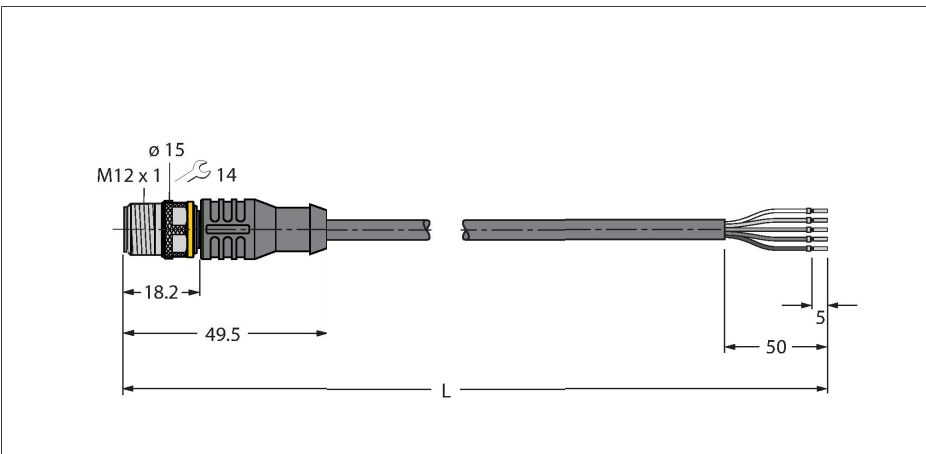


# RSC4.5T-10/TXY6713

## Actuator and Sensor Cable, PUR – Connection Cable

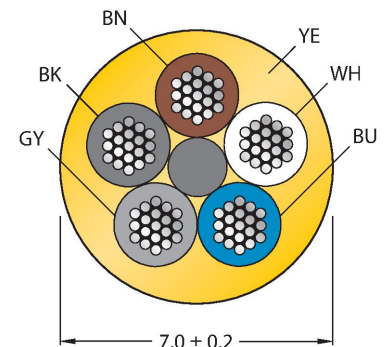


### Features

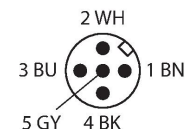


- Male M12, straight, 5-pin
- Jacket material: PUR
- Jacket color: yellow
- Grip color: yellow
- Suitable for drag chain use
- Resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 10 m

### Cable Cross-Section



### Contact assignment



### Circuit Diagram



### Technical data

|                                          |                                        |
|------------------------------------------|----------------------------------------|
| Type                                     | RSC4.5T-10/TXY6713                     |
| ID                                       | 6633245                                |
| Connector A                              | Male, M12 × 1, Straight, A-coded       |
| Number of pins                           | 5                                      |
| Contacts                                 | Brass, CuZn, Gold-plated               |
| Contact carriers                         | Plastic, TPU, Black                    |
| Connector body                           | Plastic, TPU, Yellow                   |
| Coupling nut/screw                       | Brass, CuZn, Nickel-plated             |
| Mechanical lifespan                      | > 100 Mating cycles                    |
| Pollution degree                         | 3                                      |
| Protection class                         | IP67, IP69K, Only in screwed condition |
| Cable                                    |                                        |
| Cable diameter                           | Ø 7 mm ±0.20                           |
| Cable length                             | 10 m                                   |
| Cable jacket                             | PUR, Yellow                            |
| Core insulation                          | PP                                     |
| Core cross-section                       | 5 x 0.34 mm <sup>2</sup>               |
| Arrangement of strands                   | 42 x 0.1 mm                            |
| Core colors                              | BN, WH, BU, BK, GY                     |
| Electrical properties at +20 °C          |                                        |
| Rated voltage                            | 60 V                                   |
| Test voltage                             | 2000 V                                 |
| Current                                  | 4 A                                    |
| Insulation resistance                    | > 30.5 MΩ/km                           |
| forward resistance                       | max. 57 Ω/km                           |
| Mechanical and chemical properties       |                                        |
| Bending radius (stationary installation) | ≥ 5 x Ø                                |

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           |

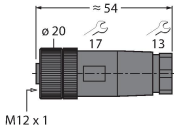
Accessories

TORQUE-WRENCH-SET-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)

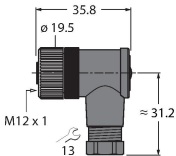
B8151-0 6904601

Field-wireable female connector, M12 × 1, straight, 5-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



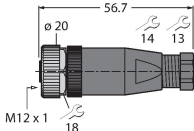
B8251-0 6904602

Field-wireable female connector, M12 × 1, angled, 5-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



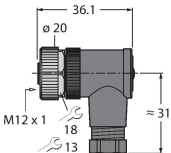
BM8151-0 6935888

Field-wireable female connector, M12 × 1, straight, 5-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



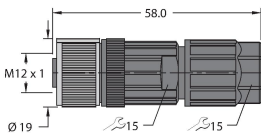
BM8251-0 6935890

Field-wireable female connector, M12 × 1, angled, 5-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



FW-ERKPM0526-SA-P-0408 100002534

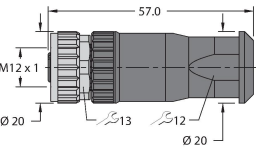
Field-wireable female connector, M12 × 1, straight, 5-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal coupling nut



FW-ERKPM0516-SA-S-0408

100002285

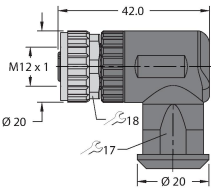
Field-wireable female connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal nut



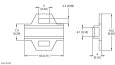
FW-EWKPM0516-SA-S-0408

100002287

Field-wireable female connector, M12 × 1, angled, 5-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



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 |