# RSC4.5T-5/TXY3713
## Actuator and Sensor Cable, PUR  –   Connection Cable



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M12 x 1    🔧 14
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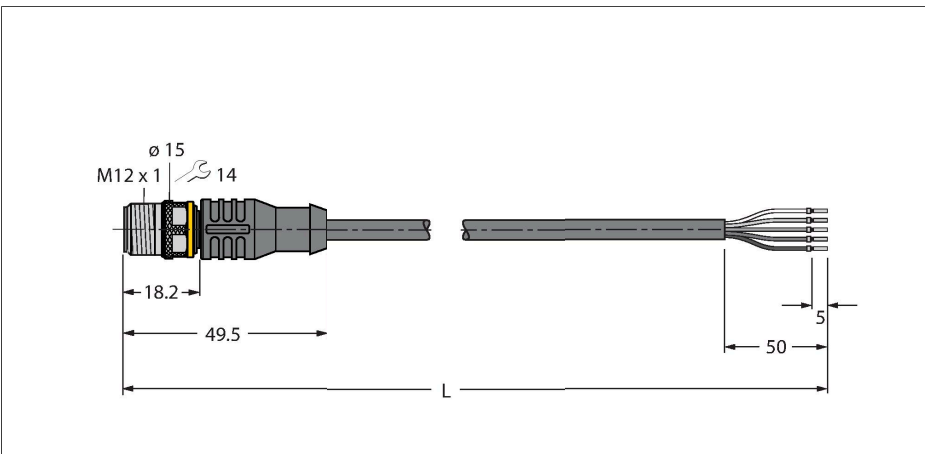
## Features



- Male M12, straight, 5-pin
- Jacket material: PUR
- Jacket color: yellow
- Grip color: yellow
- Resistant to welding sparks
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (acc. to FT2 (UL/CSA); IEC 60332-1-2; IEC 60332-2-2)
- Halogen free (acc. to EN 50267)
- Free from silicone, PVC and LABS (acc. to PV3.10.7)
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 5.0 m

## Technical data

| Type | RSC4.5T-5/TXY3713 |
|---|---|
| ID | 6635744 |
| Remark to product | Specification according to VASS requirements (version: February 2021) |
| **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 6 mm ±0.20 |
| Cable length | 5  m |
| Cable jacket | PUR, Yellow |
| Core insulation | PP |
| Core cross-section | 5 x 0.34  mm² |
| 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 |

## Contact assignment



2 WH
3 BU    1 BN
5 GY    4 BK

## Circuit Diagram



| 1 | BN |
| 2 | WH |
| 4 | BK |
| 3 | BU |
| 5 | GY |
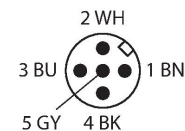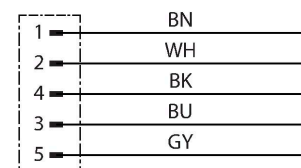
## Technical data

| Mechanical and chemical properties | |
| --- | --- |
| Bending radius (stationary installation) | ≥ 5 x Ø |
| 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 range (stationary) | -50…+80 °C |
| Ambient temperature range (In motion) | -25…+80 °C |
| Ambient temperature during drag chain operation | -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)
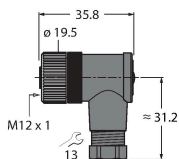
| B8151-0 | 6904601 |
| --- | --- |



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
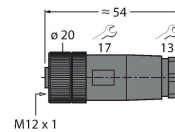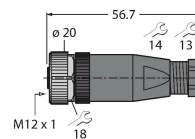
| B8251-0 | 6904602 |
| --- | --- |



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

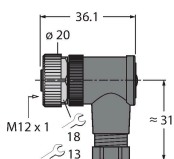| BM8151-0 | 6935888 |
| --- | --- |



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

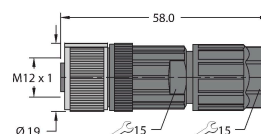| BM8251-0 | 6935890 |
| --- | --- |



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
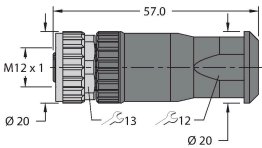
| FW-ERKPM0526-SA-P-0408 | 100002534 |
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Field-wireable female connector, M12 × 1, straight, 5-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal coupling nut
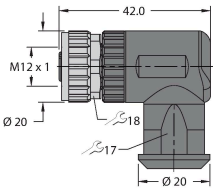
| FW-ERKPM0516-SA-S-0408 | 100002285 |
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Field-wireable female connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal nut

| 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 |