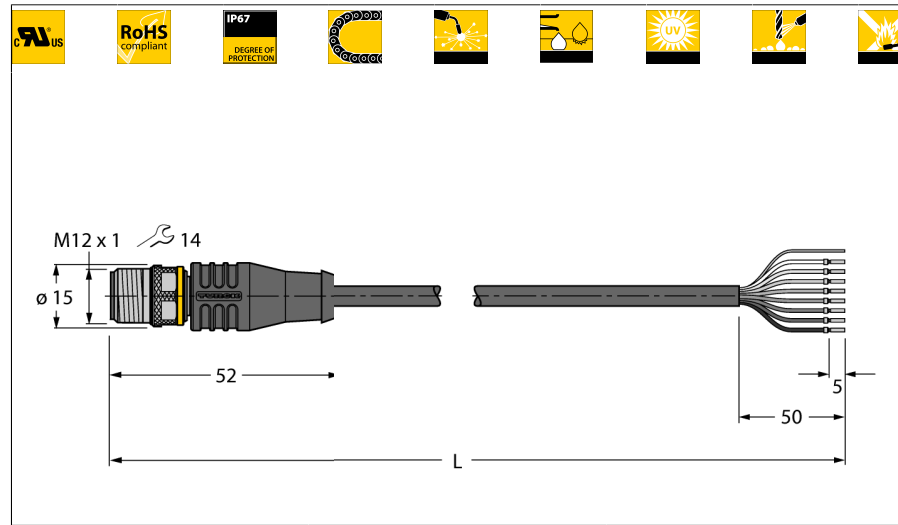


Actuator/sensor cable, PUR
Connection cable
RSS8T-5/TXL

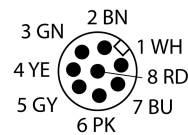
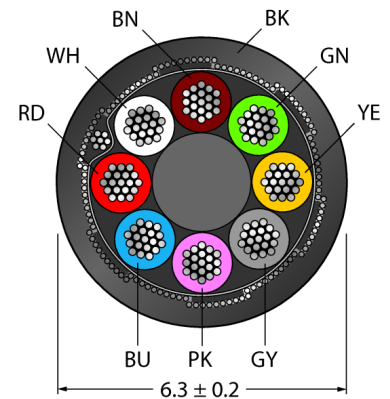


- Male M12, straight, 8-pin
- Shield on coupling nut/screw
- Sheath material: PUR, shielded
- Sheath color: black
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

Type designation RSS8T-5/TXL
Ident no. 6625465

Connector A side Connector, M12 ♂ 1, Straight
Number of pins 8
Contacts Brass, CuZn, Gold-plated
Contact carriers Plastic, TPU, Black
Grip Plastic, TPU, Black
Coupling nut/screw Brass, CuZn, Nickel-plated
Protection class IP67, A + B side screwed together
Mechanical lifespan > 100 Mating cycles
Pollution degree 3
Tightening torque 0.8 ... 1 Nm
 (observe max. torque of counter piece!)

Cable Cross-section

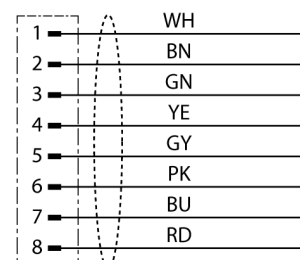


General data
Cable diameter 6.3 ± 0.20mm
Cable length 5 m
Cable quality PUR
Cable color Black
Core insulation PP
Core colors WH, BN, GN, YE, GY, PK, BU, RD
Core cross-section 8x0.25mm²
Arrangement of strands 32x0.1 mm
Shielding Aluminum foil, tinned copper wire

Electrical features at +20 °C
Current 2 A
Rated voltage 30 V
Insulation resistance > 30.5 MΩ/km
Test voltage 2000 V
Forward resistance max. 79 Ω/km

Drawing shows design status including hexagon coupling nut
(Start of production CW42/2016).

Circuit Diagram



Actuator/sensor cable, PUR
Connection cable
RSS8T-5/TXL

TURCK


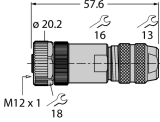

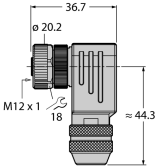

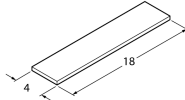
Industrial
Automation

Mechanical and chemical properties

| | |
|------------------------------------|------------------------------|
| Max. tensile strength (static) | ≤ 50 N/mm ² |
| Max. tensile strength (dynamic) | ≤ 20 N/mm ² |
| Bending cycles | > 2 mil. |
| Bending radius (stationary laying) | > 5 x Ø |
| Bending radius (flexible use) | > 10 x Ø |
| Admissible acceleration | max. 5 m/s ² |
| Admissible travel path, horizontal | 5 m (at 5 m/s ²) |
| Admissible travel path, vertical | 2 m (at 5 m/s ²) |
| Admissible traversing speed | 3.3 m/s |
| Torsional stress | ± 180 °/m |
| Ambient temperature | |
| Stationary | -50...+80°C |
| In motion | -25...+80°C |
| Drag chain operation | -25...+60°C |

Actuator/sensor cable, PUR
Connection cable
RSS8T-5/TXL

Accessories

| Type code | Ident no. | Description | |
|----------------------------------|-----------|---|---|
| CMB8181-0 | 6931450 | Field-wireable female connector, M12  , 1, straight, 8-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm ² , metal housing, metal nut, shieldable |  |
| CMB8281-0 | 6932024 | Field-wireable female connector, M12  , 1, angled, 8-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm ² , metal housing, metal nut, shieldable |  |
| 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-TXL | 6936206 | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant |  |