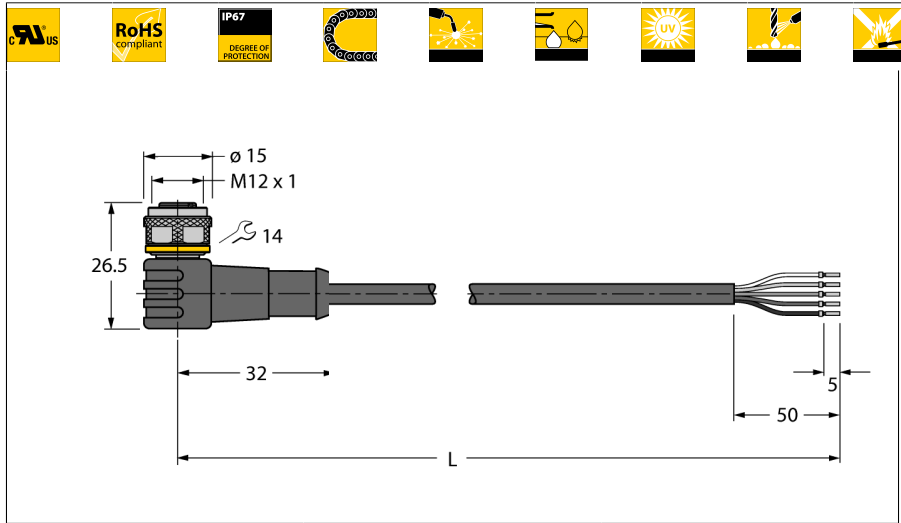


**Actuator/Sensor cable, PUR**  
**Connection cable**  
**WKC5T-10/TXY**



- Female M12, angled, 4-pin + PE
- Sheath material: PUR
- Sheath color: yellow
- 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: 10 m

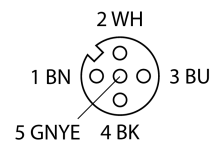
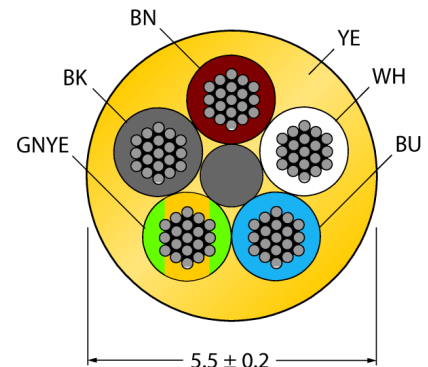
|                         |              |
|-------------------------|--------------|
| <b>Type designation</b> | WKC5T-10/TXY |
| Ident no.               | 6629774      |

|                         |   |
|-------------------------|---|
| <b>Connector A side</b> | Female connector, M12 1, Angled                         |
| Number of pins          | 4+PE  |
| Contacts                | Brass, CuZn, Gold-plated                                |
| Contact carriers        | Plastic, TPU, Black                                     |
| Grip                    | Plastic, TPU, Black                                     |
| Coupling nut/screw      | Brass, CuZn, Nickel-plated                              |
| Seal                    | Plastic, FPM/FKM  |
| Protection class        | IP67, A + B side screwed together                       |
| Mechanical lifespan     | > 100 Mating cycles                                     |
| Pollution degree        | 3   |
| Tightening torque       | 0.8 ... 1 Nm<br>(observe max. torque of counter piece!) |

|                        |                       |
|------------------------|-----------------------|
| <b>General data</b>    |                       |
| Cable diameter         | 5.5 ± 0.20mm          |
| Cable length           | 10 m                  |
| Cable quality          | PUR                   |
| Cable color            | Yellow                |
| Core insulation        | PP                    |
| Core colors            | BN, WH, BU, BK, GNYE  |
| Core cross-section     | 5x0.34mm <sup>2</sup> |
| Arrangement of strands | 42x0.1 mm             |

|                                      |              |
|--------------------------------------|--------------|
| <b>Electrical features at +20 °C</b> |              |
| Current                              | 4 A          |
| Rated voltage                        | 60 V         |
| Insulation resistance                | > 30.5 MΩ/km |
| Test voltage                         | 2000 V       |
| Forward resistance                   | max. 57 Ω/km |

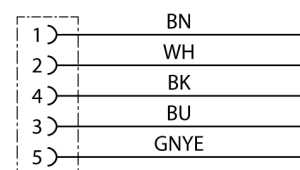
**Cable Cross-section**



**General information**

Drawing depicts design version including hexagon coupling nut  
 (Production date after CW11/2016).

**Circuit Diagram**



**Actuator/Sensor cable, PUR**  
**Connection cable**  
**WKC5T-10/TXY**

**TURCK**

Industrial  
Automation


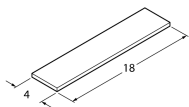
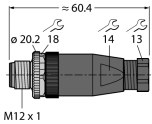
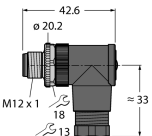

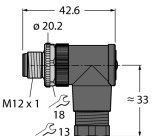
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**Mechanical and chemical properties**

|                                    |                              |
|------------------------------------|------------------------------|
| Max. tensile strength (static)     | ≤ 50 N/mm <sup>2</sup>       |
| Max. tensile strength (dynamic)    | ≤ 20 N/mm <sup>2</sup>       |
| Bending cycles                     | > 5 mil.                     |
| Bending radius (stationary laying) | > 5 x Ø                      |
| Bending radius (flexible use)      | > 10 x Ø                     |
| 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                   | ± 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**  
**WKC5T-10/TXY**

**Accessories**

| Type code                        | Ident no. | Description   |   |
|----------------------------------|-----------|---|---|
| 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   |    |
| BS8151-0                         | 6904611   | Field-wireable male 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 mm <sup>2</sup> , plastic housing, metal nut |  |
| BS8251-0                         | 6904612   | Field-wireable male 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 mm <sup>2</sup> , plastic housing, metal nut   |  |