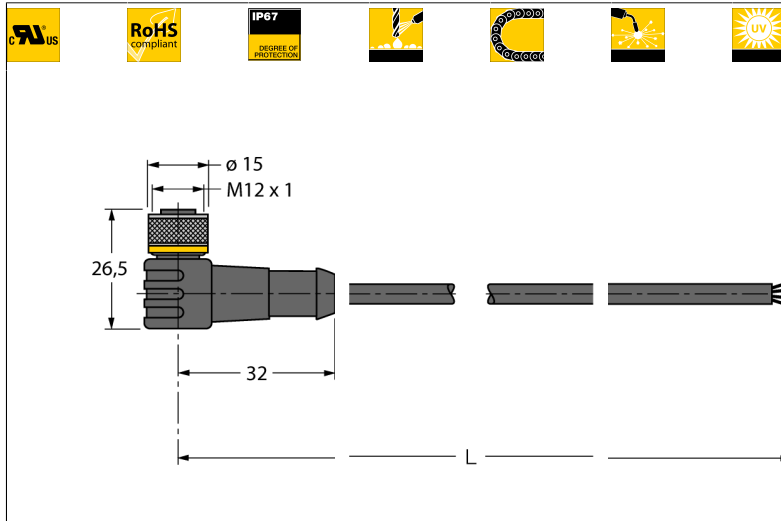


# Actuator/sensor cable, PUR connection cable WKC4.4T-P7X2-5/TXL

**TURCK**

Industrial  
Automation



- Female M12, angled, 4-pin
- With 2-color LED (PNP, yellow, green)
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Weld-splatter resistant
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

**Type code** WKC4.4T-P7X2-5/TXL  
**Ident no.** 6626178

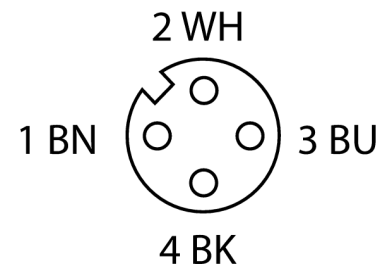
|                         |                                                        |
|-------------------------|--------------------------------------------------------|
| <b>Connector A side</b> | female connector, M12 x 1, angled                      |
| Number of pins          | 4                                                      |
| Contacts                | metal, CuZn, gold-plated                               |
| Contact carriers        | plastic, TPU, black                                    |
| Grip                    | plastic, TPU, transparent                              |
| Coupling nut/screw      | metal, CuZn, nickel-plated                             |
| Coupling nut/screw      | metal                                                  |
| Protection class        | IP67, only in screwed state                            |
| Operating voltage       | LED green                                              |
| Display switch state    | LED yellow                                             |
| Mechanical lifespan     | > 100 mating cycles                                    |
| Pollution degree        | 3                                                      |
| Tightening torque       | 0.8 ... 1 Nm<br>(observe max. value of counter piece!) |

|                          |                       |
|--------------------------|-----------------------|
| <b>General data</b>      |                       |
| Cable diameter           | Ø 4.7 mm +/-0.20      |
| Cable length             | 5 m                   |
| Sheath color             | PUR (black)           |
| Core insulation (colors) | PP (BN, WH, BU, BK)   |
| Core cross-section       | 4x0.34mm <sup>2</sup> |
| Litz wire arrangement    | 42x0.1 mm             |

|                                      |                |
|--------------------------------------|----------------|
| <b>Electrical features at +20 °C</b> |                |
| Rated current                        | 4 A            |
| Rated voltage [U <sub>max</sub> ]    | 30 V           |
| Insulation resistance                | > 1 GΩ x km    |
| Test voltage                         | 2000 V         |
| Forward resistance                   | max. 57.5 Ω/km |

|                                           |                              |
|-------------------------------------------|------------------------------|
| <b>Mechanical and chemical properties</b> |                              |
| Max. tensile strength (static)            | ≤ 50 N/mm <sup>2</sup>       |
| Max. tensile strength (dynamic)           | ≤ 20 N/mm <sup>2</sup>       |
| bending cycles                            | > 5 mil.                     |
| Static Bending Radius                     | > 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                       |                              |
| at rest                                   | -50 ... 80°C                 |
| In moving state                           | -25 ... 80°C                 |
| drag chain operation                      | -25 ... 60°C                 |

## Pin assignment



## circuit diagram

