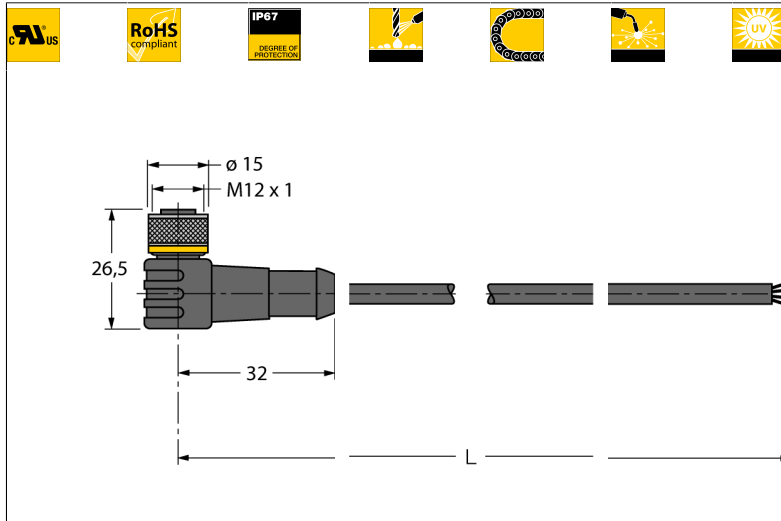


**Actuator/sensor cable, PUR  
connection cable  
WKC4.4T-P7X3-5/TXL**

**TURCK**

Industrial  
Automation



- Female M12, angled, 4-pin
- With 3-color LED (PNP, yellow, 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-P7X3-5/TXL

**Ident no.**

6626179

**Connector A side**

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

**General data**

|                          |                       |
|--------------------------|-----------------------|
| 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             |

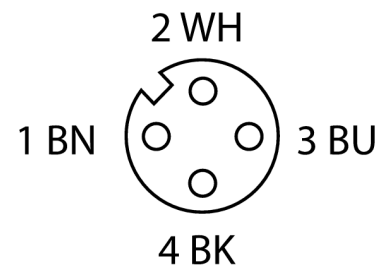
**Electrical features at +20 °C**

|                                   |                |
|-----------------------------------|----------------|
| 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 |

**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.                     |
| 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**

