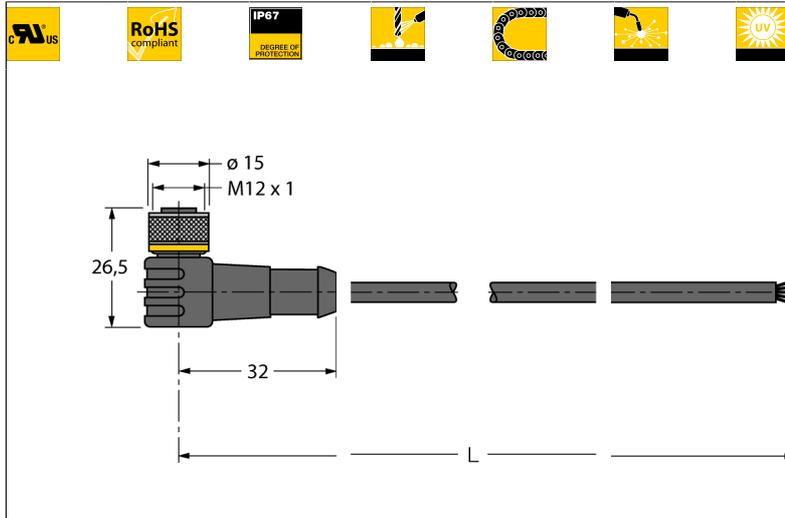


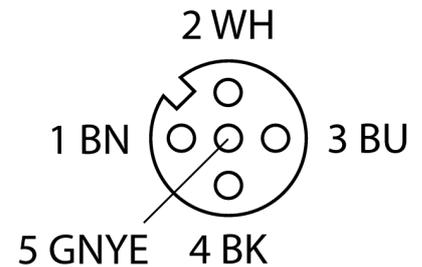
**Actuator/sensor cable, PUR
connection cable
WKC5T-P7X3-2/TXL**



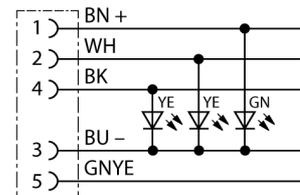
- Female M12, angled, 4-pin + PE
- With 3-color LED (PNP, yellow, yellow, green)
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Weld-splatter resistant
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 2.0 m

| | |
|-------------------------|--|
| Type code | WKC5T-P7X3-2/TXL |
| Ident no. | 6626092 |
| Connector A side | female connector, M12 x 1, angled |
| Number of pins | 4 + PE |
| 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/yellow |
| Mechanical lifespan | > 100 mating cycles |
| Pollution degree | 3 |
| Tightening torque | 0.8 ... 1 Nm (observe max. value of counter piece!) |

Pin assignment



circuit diagram



| | |
|--------------------------|---------------------------|
| General data | |
| Cable diameter | Ø 5.5 mm +/-0.20 |
| Cable length | 2 m |
| Sheath color | PUR (black) |
| Core insulation (colors) | PP (BN, WH, BU, BK, GNYE) |
| Core cross-section | 5x0.34mm ² |
| Litz wire arrangement | 42x0.1 mm |

| | |
|--------------------------------------|----------------|
| Electrical features at +20 °C | |
| Rated current | 4 A |
| Rated voltage [U _{max}] | 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 ² |
| Max. tensile strength (dynamic) | ≤ 20 N/mm ² |
| bending cycles | > 5 mil. |
| Static Bending Radius | > 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 | |
| at rest | -50 ... 80°C |
| In moving state | -25 ... 80°C |
| drag chain operation | -25 ... 60°C |