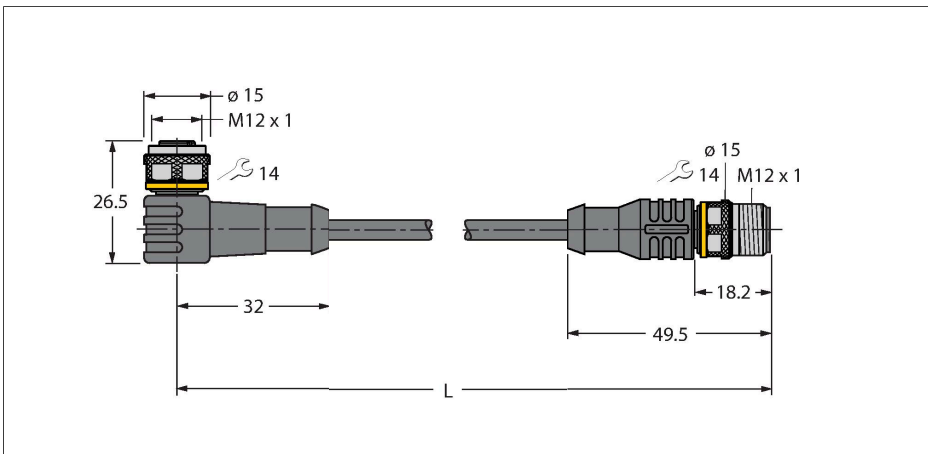


# WKC5T-1-RSC5T/TXY

## Actuator and Sensor Cable, PUR – Extension Cable

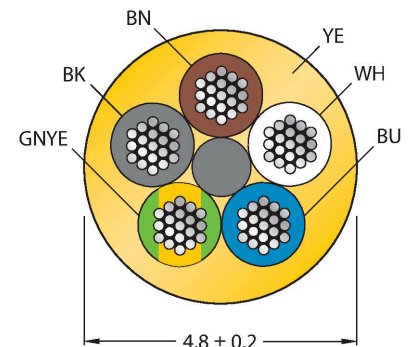


### Features

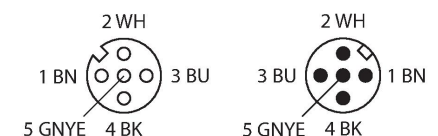


- Female M12, angled, 4-pin + PE
- Male M12, straight, 4-pin + PE
- Jacket material: PUR
- Jacket color: yellow
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 1.0 m

### Cable Cross-Section



### Contact assignment



### Circuit Diagram



### Technical data

|                              |                                         |
|------------------------------|-----------------------------------------|
| Type                         | WKC5T-1-RSC5T/TXY                       |
| ID                           | 6629788                                 |
| Remark to product            | !!! Pin 5 = PE !!!                      |
| Connector A                  | Female, M12 × 1, Angled, A-coded        |
| Number of pins               | 4+PE                                    |
| Contacts                     | Brass, CuZn, Gold-plated                |
| Contact carriers             | Plastic, TPU, Black                     |
| Connector body               | Plastic, TPU, Black                     |
| Coupling nut/screw           | Brass, CuZn, Nickel-plated              |
| Seal                         | Plastic, FPM/FKM                        |
| Mechanical lifespan          | > 100 Mating cycles                     |
| Pollution degree             | 3                                       |
| Protection class             | IP67, IP69K, Only in screwed condition  |
| Connector B                  | Male, M12 × 1, Straight, A-coded        |
| Number of Pins               | 4+PE                                    |
| Contacts                     | Brass, CuZn, Gold-plated                |
| Contact carriers             | Plastic, TPU, Black                     |
| Connector body               | Plastic, TPU, Black                     |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated              |
| Mechanical life              | > 100 Mating cycles                     |
| Pollution degree             | 3                                       |
| Protection class             | IP67, IP69K, Only when screwed together |
| Cable                        |                                         |
| Cable diameter               | Ø 4.8 mm ±0.20                          |
| Cable length                 | 1 m                                     |
| Cable jacket                 | PUR, Yellow                             |
| Core insulation              | PP                                      |

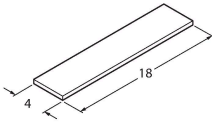
Technical data

|                                          |                      |
|------------------------------------------|----------------------|
| Core cross-section                       | 5 x 0.34 mm²         |
| Arrangement of strands                   | 42 x 0.1 mm          |
| Core colors                              | BN, WH, BU, BK, GNYE |
| Electrical properties at +20 °C          |                      |
| Rated voltage                            | 60 V                 |
| Test voltage                             | 2000 V               |
| Current                                  | 4 A                  |
| Insulation resistance                    | > 30.5 MΩ/km         |
| forward resistance                       | max. 57 Ω/km         |
| Mechanical and chemical properties       |                      |
| Bending radius (stationary installation) | ≥ 5 x Ø              |
| Bending radius (flexible use)            | ≥ 10 x Ø             |
| Bending cycles                           | ≥ 5 million          |
| Admissible acceleration                  | max. 5 m/s²          |
| Admissible travel path, horizontal       | 5 m (at 5 m/s²)      |
| Admissible travel path, vertical         | 2 m (at 5 m/s²)      |
| Admissible traversing speed              | 3.3 m/s              |
| Torsional stress                         | ± 180 °/m            |
| Ambient temperature (fixed)              | -50...+80 °C         |
| Ambient temperature (mobile)             | -25...+80 °C         |
| Ambient temperature (drag chain)         | -25...+60 °C         |
| Approvals                                | cULus                |

Accessories

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



Accessories

| Dimension drawing | Type                  | ID        |                                                                                                                                                                            |
|-------------------|-----------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | LABEL-HOLDER-FLEX-PVC | 100048170 | PVC label holder for identification of extension cables (TEL/TXL product series); for cable diameters: min. 5 mm; dimensions 4 x 18 mm; delivery unit: 50 pcs. per package |