

# WKC5T-10/TXG

## Actuator and Sensor Cable, PUR – Connection Cable

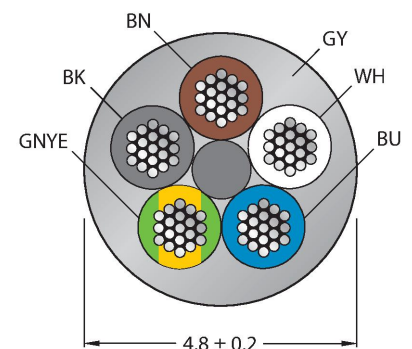


### Features

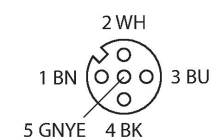


- Female M12, angled, 4-pin + PE
- Jacket material: PUR
- Jacket color: gray
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 10 m

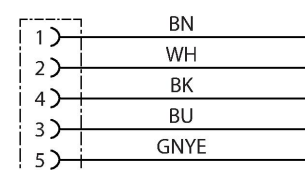
### Cable Cross-Section



### Contact assignment



### Circuit Diagram



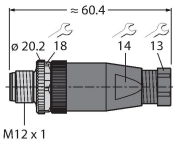
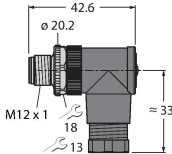
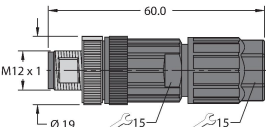
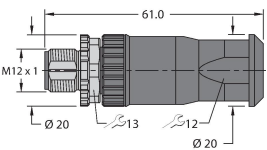
### Technical data

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Type                                   | WKC5T-10/TXG                           |
| ID                                     | 6629707                                |
| 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 |
| <b>Cable</b>                           |                                        |
| Cable diameter                         | Ø 4.8 mm ±0.20                         |
| Cable length                           | 10 m                                   |
| Cable jacket                           | PUR, Gray                              |
| Core insulation                        | PP                                     |
| Core cross-section                     | 5 x 0.34 mm <sup>2</sup>               |
| Arrangement of strands                 | 42 x 0.1 mm                            |
| Core colors                            | BN, WH, BU, BK, GNYE                   |
| <b>Electrical properties at +20 °C</b> |                                        |
| Rated voltage                          | 60 V                                   |
| Test voltage                           | 2000 V                                 |
| Current                                | 4 A                                    |
| Insulation resistance                  | > 30.5 MΩ/km                           |
| forward resistance                     | max. 57 Ω/km                           |

Technical data

| 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 range (stationary)          | -50...+80 °C    |
| Ambient temperature range (In motion)           | -25...+80 °C    |
| Ambient temperature during drag chain operation | -25...+60 °C    |
| Approvals                                       | cULus           |

Accessories

|                                                                                      |                                                                                      |                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TORQUE-WRENCH-SET-AS</b>                                                          | <b>6936170</b>                                                                       | Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)                                                                                              |
| <b>BLANK-LABEL-FOR-CORDSETS-TEL-TXL</b>                                              | <b>6936206</b>                                                                       | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant                                                                            |
|  |                                                                                      |                                                                                                                                                                                                                    |
| <b>BS8151-0</b>                                                                      | <b>6904611</b>                                                                       | 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 mm², plastic housing, metal retaining screw |
|   | <b>BS8251-0</b>                                                                      | <b>6904612</b>                                                                                                                                                                                                     |
|                                                                                      |  | 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 mm², plastic housing, metal retaining screw   |
| <b>FW-ERSPM0526-SA-P-0408</b>                                                        | <b>100002535</b>                                                                     | Field-wireable male connector, M12 × 1, straight, 5-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw        |
|   | <b>FW-ERSPM0516-SA-S-0408</b>                                                        | <b>100002289</b>                                                                                                                                                                                                   |
|                                                                                      |  | Field-wireable male connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal retaining screw  |

FW-EWSPM0516-SA-S-0408

100002291



Field-wireable male connector, M12 × 1, angled, 5-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal retaining screw

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 × 18 mm; delivery unit: 50 pcs. per package |