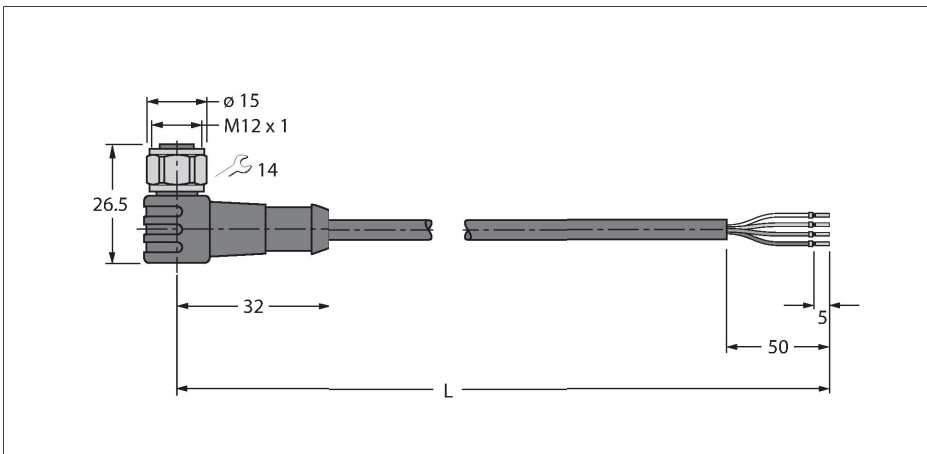


# WKCV4.4T-35/TEL

## Actuator and Sensor Cable, PVC – Connection Cable

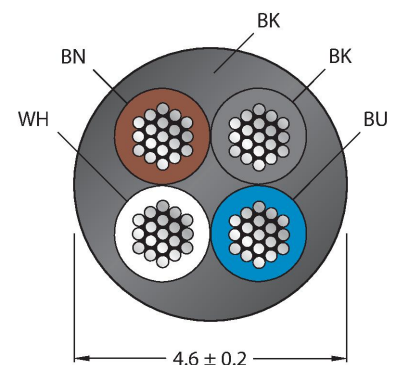


### Features

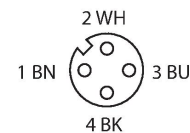


- Female M12, angled, 4-pin
- Stainless steel coupling nut/screw
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 35 m

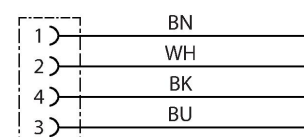
### Cable Cross-Section



### Contact assignment



### Circuit Diagram



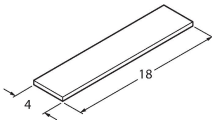
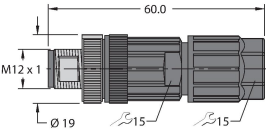
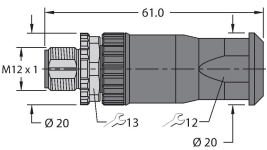
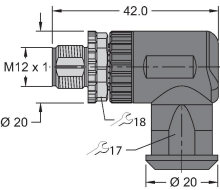
### Technical data

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Type                            | WKCV4.4T-35/TEL                        |
| ID                              | 6629365                                |
| Connector A                     | Female, M12 × 1, Angled, A-coded       |
| Number of pins                  | 4                                      |
| Contacts                        | Brass, CuZn, Gold-plated               |
| Contact carriers                | Plastic, TPU, Black                    |
| Connector body                  | Plastic, TPU, Black                    |
| Coupling nut/screw              | Stainless Steel, V4A                   |
| Seal                            | Plastic, FPM/FKM                       |
| Mechanical lifespan             | > 100 Mating cycles                    |
| Pollution degree                | 3                                      |
| Protection class                | IP67, IP69K, Only in screwed condition |
| Cable                           |                                        |
| Cable diameter                  | Ø 4.6 mm ±0.20                         |
| Cable length                    | 35 m                                   |
| Cable jacket                    | PVC, Black                             |
| Core insulation                 | PVC                                    |
| Core cross-section              | 4 x 0.34 mm <sup>2</sup>               |
| Arrangement of strands          | 42 x 0.1 mm                            |
| Core colors                     | BN, WH, BU, BK                         |
| Electrical properties at +20 °C |                                        |
| Rated voltage                   | 250 V                                  |
| Test voltage                    | 2000 V                                 |
| Current                         | 4 A                                    |
| Insulation resistance           | > 30.5 MΩ/km                           |
| forward resistance              | max. 57 Ω/km                           |

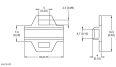
Technical data

| Mechanical and chemical properties       |               |
|------------------------------------------|---------------|
| Bending radius (stationary installation) | ≥ 5 x Ø       |
| Bending radius (flexible use)            | ≥ 10 x Ø      |
| Ambient temperature (fixed)              | -40...+105 °C |
| Ambient temperature (mobile)             | -5...+80 °C   |
| Approvals                                | cULus         |

Accessories

|                                                                                     |  |                                                                                                                                                                                                                 |                                                                                      |  |                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TORQUE-WRENCH-SET-AS                                                                |  | 6936170                                                                                                                                                                                                         | BLANK-LABEL-FOR-CORDSETS-TEL-TXL                                                     |  | 6936206                                                                                                                                                                                                           |
|                                                                                     |  | Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)                                                                                           |                                                                                      |  | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant                                                                           |
|                                                                                     |  |                                                                                                                                                                                                                 |    |  |                                                                                                                                                                                                                   |
| FW-ERSPM0426-SA-P-0408                                                              |  | 100002048                                                                                                                                                                                                       | FW-ERSPM0416-SA-S-0408                                                               |  | 100002288                                                                                                                                                                                                         |
|  |  | Field-wireable male connector, M12 × 1, straight, 4-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     |  |  | Field-wireable male connector, M12 × 1, straight, 4-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-EWSPM0416-SA-S-0408                                                              |  | 100002290                                                                                                                                                                                                       |                                                                                      |  |                                                                                                                                                                                                                   |
|  |  | Field-wireable male connector, M12 × 1, angled, 4-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 |