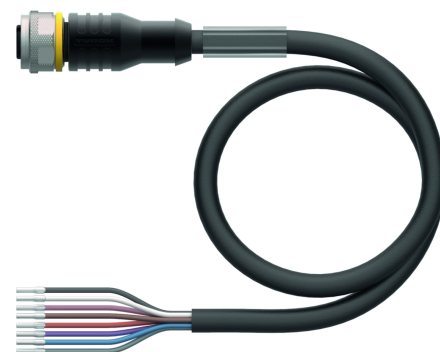
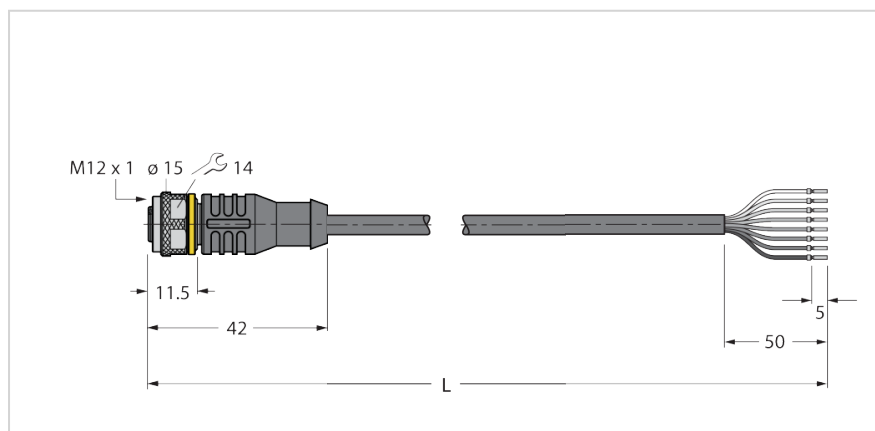


## RKC8T-15/TEL

# Actuator and Sensor Cable, PVC Connection Cable



|                         |                     |
|-------------------------|---------------------|
| <b>Type designation</b> | <b>RKC8T-15/TEL</b> |
| Ident-No.               | 6627906             |

## Technical data

| Electrical data                          |                                    |
|------------------------------------------|------------------------------------|
| Current                                  | 2 A                                |
| Rated voltage                            | 30 V                               |
| forward resistance                       | max.79 Ω/km                        |
| Insulation resistance                    | >30,5 MΩ/km                        |
| Test voltage                             | 2000 V                             |
| Mechanical data                          |                                    |
| Bending radius (stationary installation) | ≥5 x Ø                             |
| Bending radius (flexible use)            | ≥10 x Ø                            |
| Connector A                              |                                    |
| Mechanical lifespan                      | > 100 Mating cycles                |
| Connector A                              | Female, M12 x 1, Straight, A-coded |
| Number of Pins                           | 8                                  |
| 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                   |
| Pollution degree                         | 3                                  |

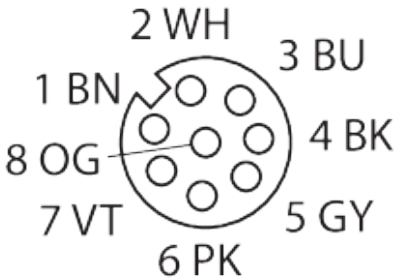
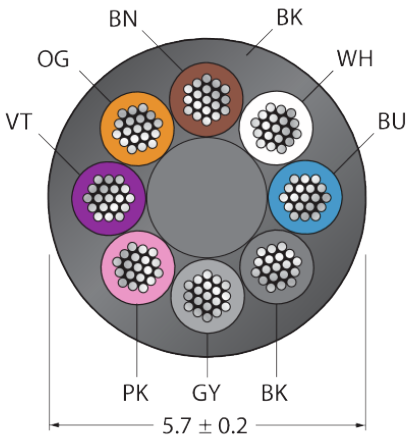
## Features

- Female M12, straight, 8-pin
- 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: 15 m

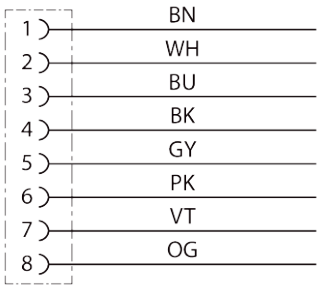
Technical data

|                              |                                        |
|------------------------------|----------------------------------------|
| Protection class             | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                 |                                        |
| Cable diameter               | 5,7 mm ±0.20                           |
| Cable length                 | 15 m                                   |
| Cable jacket                 | PVC, Black                             |
| Core insulation              | PVC                                    |
| Core cross-section           | 8 x 0,25 mm²                           |
| Arrangement of strands       | 32 x 0,1 mm                            |
| Core colors                  | BN, WH, BU, BK, GY, PK, VT, OG         |
| <b>Ambient conditions</b>    |                                        |
| Ambient temperature (mobile) | -5...+80 °C                            |
| Ambient temperature (fixed)  | -40...+105 °C                          |
| <b>Tests/approvals</b>       |                                        |
| Approvals                    | cULus                                  |
| <b>Comments</b>              |                                        |
| Packaging unit               | 1                                      |

Cable Cross-Section



Circuit Diagram



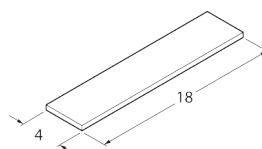
Stranded Wire Colors

| Pin | DIN 47100 (old) | DIN EN 60947-5-2 (new) |
|-----|-----------------|------------------------|
| 1   | WH              | BN                     |
| 2   | BN              | WH                     |
| 3   | GN              | BU                     |
| 4   | YE              | BK                     |
| 5   | GY              | GY                     |
| 6   | PK              | PK                     |

|   |    |    |
|---|----|----|
| 7 | BU | VT |
| 8 | RD | OG |

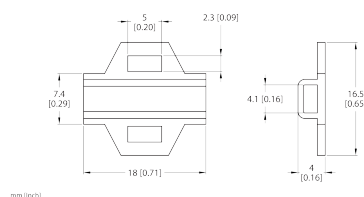
## Mounting accessories

|                                         |                |                                                                                                                                                                                                                                     |
|-----------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BS8181-0</b>                         | <b>6901004</b> | Field-wireable male connector, M12 × 1, straight, 8-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm², plastic housing, metal retaining screw                  |
| <b>CMBS8181-0</b>                       | <b>6930792</b> | Field-wireable male connector, M12 × 1, straight, 8-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm², metal housing, metal nut, shieldable, also for Ethernet |
| <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                                                                                             |



## Connection accessories

|                              |                  |                                                                                                                                                                            |
|------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LABEL-HOLDER-FLEX-PVC</b> | <b>100048170</b> | 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 |
|------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



mm (inch)