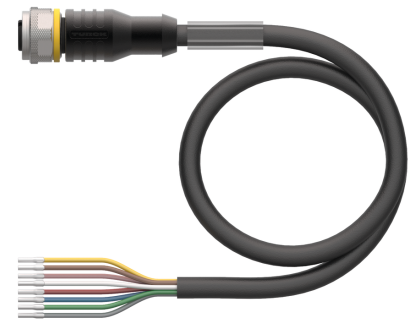


# RKC8.800T-5/TEL

## Actuator and Sensor Cable, PVC – Connection Cable



### Technical data

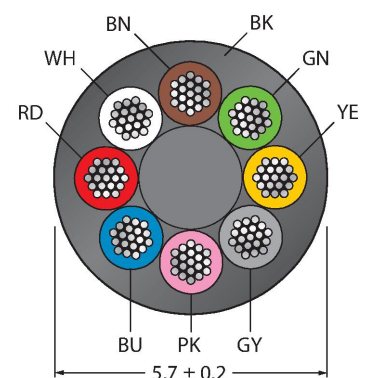
|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Type                                   | RKC8.800T-5/TEL                        |
| ID                                     | 6631579                                |
| Connector A                            | Female, M12 × 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                       |
| Mechanical lifespan                    | > 100 Mating cycles                    |
| Pollution degree                       | 3                                      |
| Protection class                       | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                           |                                        |
| Cable diameter                         | Ø 5.7 mm ±0.20                         |
| Cable length                           | 5 m                                    |
| Cable jacket                           | PVC, Black                             |
| Core insulation                        | PVC                                    |
| Core cross-section                     | 8 x 0.25 mm <sup>2</sup>               |
| Arrangement of strands                 | 32 x 0.1 mm                            |
| Core colors                            | WH, BN, GN, YE, GY, PK, BU, RD         |
| <b>Electrical properties at +20 °C</b> |                                        |
| Rated voltage                          | 30 V                                   |
| Test voltage                           | 2000 V                                 |
| Current                                | 2 A                                    |
| Insulation resistance                  | > 30.5 MΩ/km                           |
| forward resistance                     | max. 79 Ω/km                           |

### Features

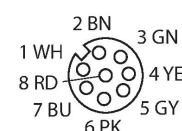


- Female M12, straight, 8-pin
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 5.0 m

### Cable Cross-Section



### Contact assignment



Technical data

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

Circuit Diagram

|     |    |
|-----|----|
| 1 ) | WH |
| 2 ) | BN |
| 3 ) | GN |
| 4 ) | YE |
| 5 ) | GY |
| 6 ) | PK |
| 7 ) | BU |
| 8 ) | RD |

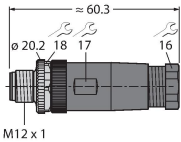
Accessories

|                                                                                                                       |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|
| 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) |         |

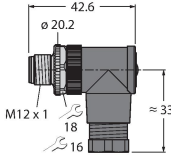
|                                                                                                                                         |         |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
|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



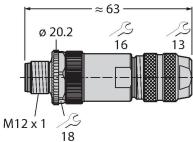
|                                                                                                                                                                                                                    |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| BS8181-0                                                                                                                                                                                                           | 6901004 |
| Field-wireable male connector, M12 x 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 |         |



|                                                                                                                                                                                                                  |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| BS8281-0                                                                                                                                                                                                         | 6930862 |
| Field-wireable male connector, M12 x 1, angled, 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 |         |



|                                                                                                                                                                                                                                     |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| CMBS8181-0                                                                                                                                                                                                                          | 6930792 |
| Field-wireable male connector, M12 x 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 |         |



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 |