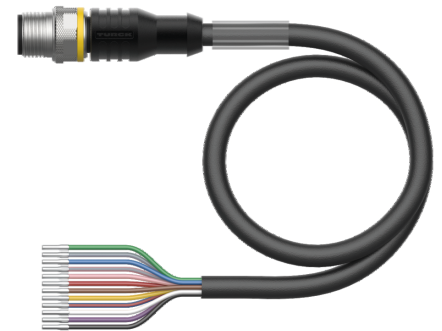
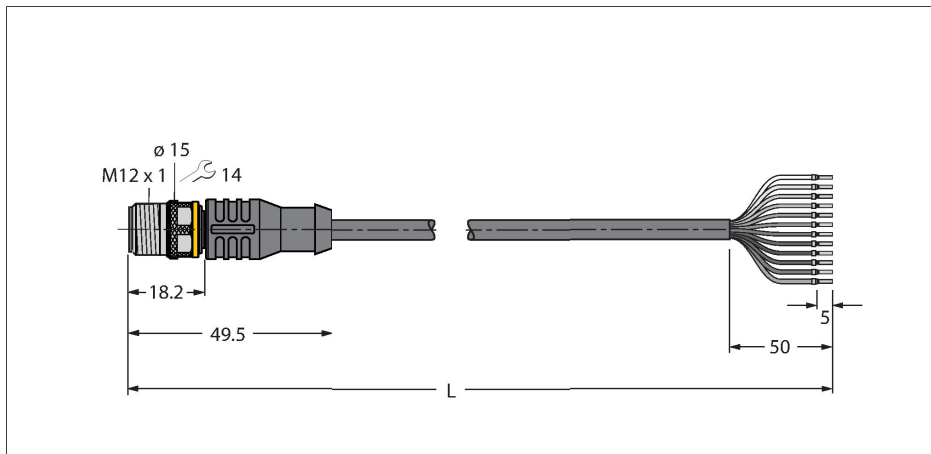


# RSC12.120T-10/TEL

## Actuator and Sensor Cable, PVC – Connection Cable



### Technical data

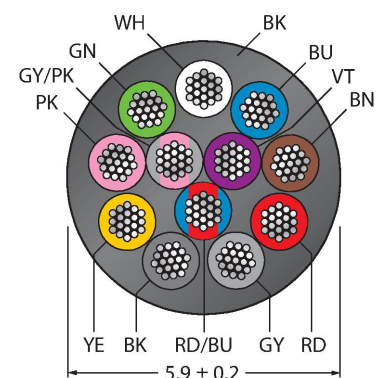
|                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| Type                                      | RSC12.120T-10/TEL                                    |
| ID                                        | 6631469                                              |
| Connector A                               | Male, M12 × 1, Straight, A-coded                     |
| Number of Pins                            | 12                                                   |
| Contacts                                  | Brass, CuZn, Gold-plated                             |
| Contact carriers                          | Plastic, TPU, Black                                  |
| Connector body                            | Plastic, TPU, Black                                  |
| Coupling nut/screw                        | Brass, CuZn, Nickel-plated                           |
| Mechanical lifespan                       | > 100 Mating cycles                                  |
| Pollution degree                          | 3                                                    |
| Protection class                          | IP67, IP69K, Only in screwed condition               |
| <b>Cable</b>                              |                                                      |
| Cable diameter                            | Ø 5.9 mm ±0.20                                       |
| Cable length                              | 10 m                                                 |
| Cable jacket                              | PVC, Black                                           |
| Core insulation                           | PVC                                                  |
| Core cross-section                        | 12 x 0.14 mm²                                        |
| Arrangement of strands                    | 18 x 0.1 mm                                          |
| Core colors                               | BN, BU, WH, GN, PK, YE, BK, GY, RD, VT, GY/PK, RD/BU |
| <b>Electrical properties at +20 °C</b>    |                                                      |
| Rated voltage                             | 30 V                                                 |
| Test voltage                              | 2000 V                                               |
| Current                                   | 1.5 A                                                |
| Insulation resistance                     | > 30.5 MΩ/km                                         |
| forward resistance                        | max. 138 Ω/km                                        |
| <b>Mechanical and chemical properties</b> |                                                      |
| Bending radius (stationary installation)  | ≥ 5 x Ø                                              |

### Features



- Male M12, straight, 12-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: 10 m

### Cable Cross-Section



### Contact assignment



Technical data

|                                        |               |
|----------------------------------------|---------------|
| 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  | BN    |
| 2  | BU    |
| 3  | WH    |
| 4  | GN    |
| 5  | PK    |
| 6  | YE    |
| 7  | BK    |
| 8  | GY    |
| 9  | RD    |
| 10 | VT    |
| 11 | GY/PK |
| 12 | RD/BU |

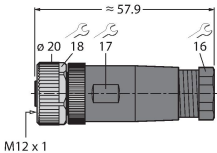
Accessories

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

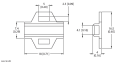
|                                                                                                                                         |         |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
|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



|                                                                                                                                                                                                |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| B81121-0/PG9                                                                                                                                                                                   | 6604052 |
| Field-wireable female connector, M12 × 1, straight, 12-pin, solder contact, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.25 mm², plastic housing, metal nut |         |



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 |