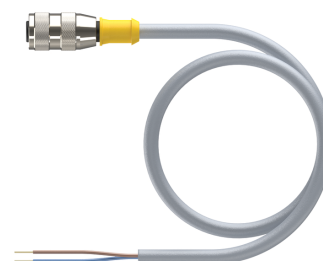
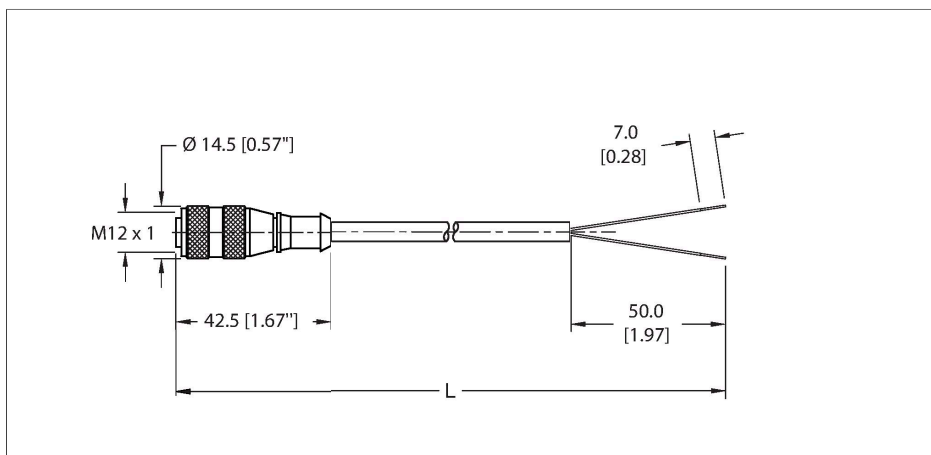


# RK 4.2T-2/S90

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

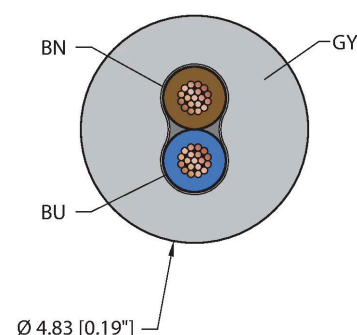
|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | RK 4.2T-2/S90                                           |
| ID                              | U2170-01                                                |
| Connector A                     | Female, M12 × 1, Straight, A-code                       |
| Design specification            | Acc. to IEC 61076-2-101                                 |
| Number of contacts              | 4                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                |
| Contact carriers                | Plastic, Nylon or TPU, Black                            |
| Connector body                  | Plastic, TPU, Yellow                                    |
| Coupling nut                    | Brass, CuZn, Nickel-plated                              |
| Connector seal                  | O-ring, Plastic, FKM/FPM                                |
| Tightening torque (range)       | 0.8 ... 1 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                     |
| Pollution degree                | 3                                                       |
| Protection class (When coupled) | IP68, IP69K                                             |
|                                 | NEMA: 1, 3, 4, 6P                                       |
| <b>Cable data</b>               |                                                         |
| Cable ID                        | RF50772                                                 |
| Total number of conductors      | 2                                                       |
| Cable diameter                  | Ø 4.83 mm                                               |
| Length (L)                      | 2 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                    | TPU, Gray                                               |
| Conductor diameter              | 0.055 "                                                 |
| Conductor material              | TC (tinned copper)                                      |

### Features



- M12, Female, Straight, 2-pin
- General Purpose Cable
- TPU jacket, Gray, 2X20 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

### Cable cross section



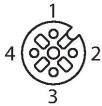
### Contact assignment

Technische Daten

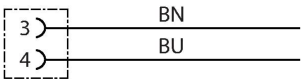
|                                     |                                                      |
|-------------------------------------|------------------------------------------------------|
| Conductor insulation material       | PVC                                                  |
| Conductor size                      | 2 x 20 AWG [Similar to 0.50 mm²]                     |
| Number of strands x O.D.            | 19 x 0.0073 "                                        |
| Conductor colors                    | BN, BU                                               |
| Electrical properties at +20 °C     |                                                      |
| Rated voltage                       | 250 V                                                |
| Current                             | 4 A                                                  |
| Mechanical and chemical properties  |                                                      |
| Bending radius (static)             | ≥ 5 x Ø                                              |
| Bending radius (dynamic)            | ≥ 10 x Ø                                             |
| Torsion rating                      | Max. 20 million                                      |
| UL cold bend rating                 | -40 °C                                               |
| Flex rating 10 x Ø                  | 20 million cycles                                    |
|                                     | *When correctly installed at 20 °C, 50 % RH.         |
| C-Track                             | Yes                                                  |
| Ambient temperature range (static)  | -40...+90 °C                                         |
| Ambient temperature range (dynamic) | -40...+90 °C                                         |
| Temperature range (installation)    | -20...+90 °C                                         |
| Approval                            |                                                      |
| Approvals                           | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS |

|                                                                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Note                                                                                                                                                                                 |  |
| - Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius. |  |
| - We reserve the right to make technical alterations without prior notice.                                                                                                           |  |

Connector A



Circuit Diagram



Montagezubehör

**TORQUE-WRENCH-SET-M12-LEGACY**

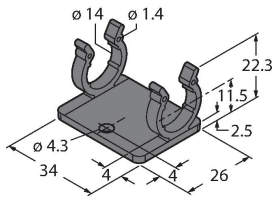
**A900153**

Adjustable torque driver to connect to a Ø15mm knurl. Compatible with the redesigned and legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, (1) 1/4"square to 4mm hex adaptor bit, and (1) Ø15mm spring loaded clamp bit

## Montagezubehör

**M12-CORDSETS-MOUNTING-CLIP-(10/BAG)**

**100016882**



10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.