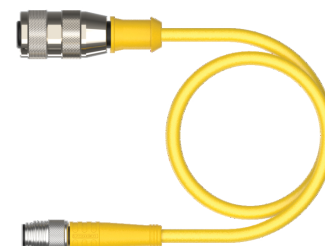
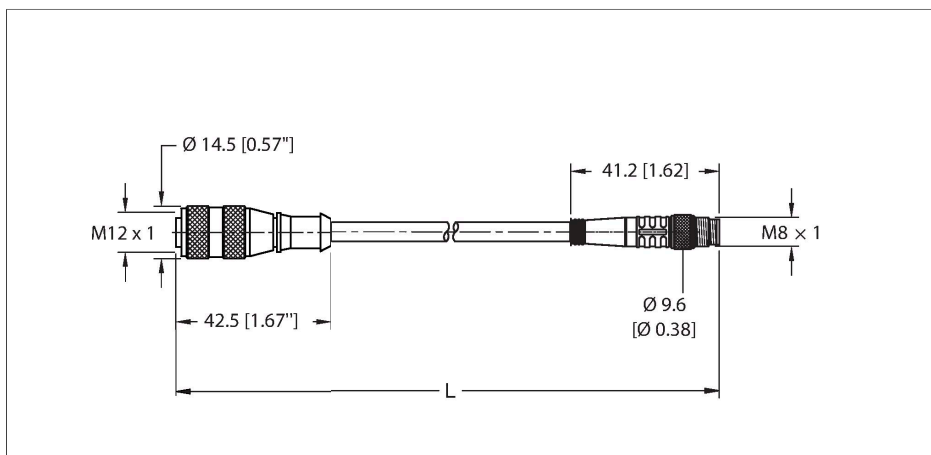


# RK 4T-4-PSG 3M

## Actuator and Sensor Cable, PVC – Extension Cable



### Technische Daten

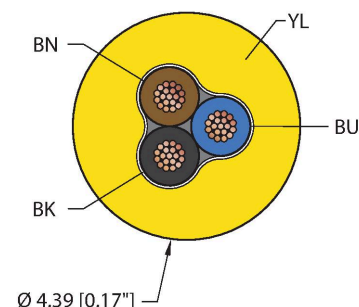
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | RK 4T-4-PSG 3M                                            |
| ID                              | U2151-51                                                  |
| 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                                         |
| Connector B                     | Male, M8 × 1, Straight                                    |
| Design specification            | Acc. to IEC 61076-2-104                                   |
| Number of contacts              | 3                                                         |
| Contacts                        | Brass, CuZn, Gold-plated                                  |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Yellow                                      |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| Tightening torque               | 0.4 ... 0.8 Nm<br>(note max. torque of mating connector!) |

### Features



- M12 female connector, straight, 4-pin
- M8 male connector, straight, 3-pin
- Jacket material: PVC
- Jacket color: yellow
- Protection class: IP67
- M12, Female, Straight, 3-pin
- M8, Male, Straight, 3-pin
- Threaded Connector
- General Purpose Cable
- Yellow PVC jacket, 3X24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

### Cable cross section



## Technische Daten

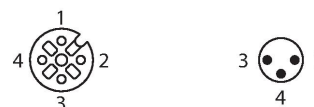
|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Mechanical life                           | > 100 Mating cycles                                                                  |
| Pollution degree                          | 3                                                                                    |
| Protection class (When coupled)           | IP68                                                                                 |
|                                           | NEMA: 1, 3, 4, 6P                                                                    |
| <b>Cable data</b>                         |                                                                                      |
| Cable ID                                  | RF50642                                                                              |
| Total number of conductors                | 3                                                                                    |
| Cable diameter                            | Ø 4.39 mm                                                                            |
| Length (L)                                | 4 m                                                                                  |
| Cable jacket                              | PVC, Yellow                                                                          |
| Conductor diameter                        | 0.044 "                                                                              |
| Conductor material                        | TC (tinned copper)                                                                   |
| Conductor insulation material             | PVC                                                                                  |
| Conductor size                            | 3 x 24 AWG [Similar to 0.25 mm <sup>2</sup> ]                                        |
| Number of strands x O.D.                  | 19 x 36 AWG                                                                          |
| Conductor colors                          | BN, BU, BK                                                                           |
| <b>Electrical properties at +20 °C</b>    |                                                                                      |
| Rated voltage                             | 125 VAC/DC                                                                           |
| Current                                   | 4 A                                                                                  |
| <b>Mechanical and chemical properties</b> |                                                                                      |
| Bending radius (static)                   | ≥ 5 x Ø                                                                              |
| Bending radius (dynamic)                  | ≥ 10 x Ø                                                                             |
| UL cold bend rating                       | -40 °C                                                                               |
| Flex rating 20 x Ø                        | 10 million cycles                                                                    |
|                                           | *When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second. |
| C-Track                                   | Yes                                                                                  |
| Ambient temperature range (static)        | -40...+105 °C                                                                        |
| Ambient temperature range (dynamic)       | 5...+105 °C                                                                          |
| Temperature range (installation)          | -10...+105 °C                                                                        |
| <b>Approval</b>                           |                                                                                      |
| Approvals                                 | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS                                 |
| <b>Note</b>                               |                                                                                      |

- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated

## Contact assignment

Connector A

Connector B



## Circuit Diagram



Technische Daten

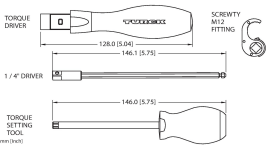
cycle speed, or operating below the rated cable bend radius.

- We reserve the right to make technical alterations without prior notice.

Montagezubehör

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

**A900153**

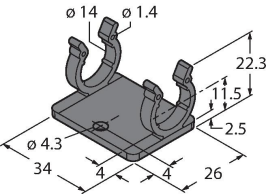


Adjustable torque driver to connect to a Ø15mm knurl. Compatible with the redesigned and legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, (1) 1/4"square to 4mm hex adaptor bit, and (1) Ø15mm spring loaded clamp bit

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.