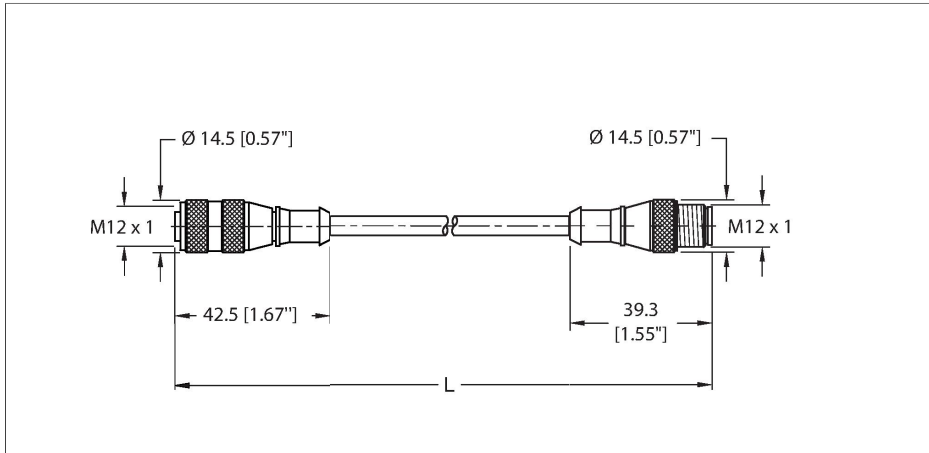


# RK 4.4T-1.5-RS 4.4T/S3415

## Actuator and Sensor Cable – Extension Cable



### Technische Daten

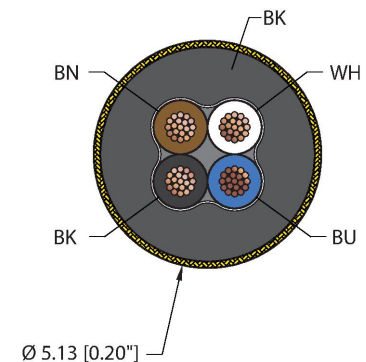
|                                 |                                                                   |
|---------------------------------|-------------------------------------------------------------------|
| Type                            | RK 4.4T-1.5-RS 4.4T/S3415                                         |
| ID                              | 100010640                                                         |
| Special version                 | S3415 = Black plug body and yellow aramid over-braid cable jacket |
| 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, Black                                               |
| 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) | IP67                                                              |
| Connector B                     | Male, 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, Black                                               |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                        |
| Tightening torque               | 0.8 ... 1 Nm                                                      |

### Features



- M12, Female, Straight, 4-pin
- M12, Male, Straight, 4-pin
- Welding Cable
- Yellow Aramid braid over cable jacket
- Black TPE jacket, 4X22 AWG
- Flame Ratings: UL1061, CSA FT1

### Cable cross section

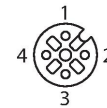


### Contact assignment

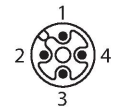
## Technische Daten

|                                                                                                                                                                                                                                                                               |                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
|                                                                                                                                                                                                                                                                               | (note max. torque of mating connector!) |
| Mechanical life                                                                                                                                                                                                                                                               | > 100 Mating cycles                     |
| Pollution degree                                                                                                                                                                                                                                                              | 3                                       |
| Protection class (When coupled)                                                                                                                                                                                                                                               | IP67                                    |
| <b>Cable data</b>                                                                                                                                                                                                                                                             |                                         |
| Cable ID                                                                                                                                                                                                                                                                      | RF52454                                 |
| Total number of conductors                                                                                                                                                                                                                                                    | 4                                       |
| Cable diameter                                                                                                                                                                                                                                                                | Ø 5.13 mm                               |
| Length (L)                                                                                                                                                                                                                                                                    | 1.5 m                                   |
| Cable jacket                                                                                                                                                                                                                                                                  | TPE, Black                              |
| Cable jacket covering                                                                                                                                                                                                                                                         | Aramid braid, Yellow, 100 % coverage    |
| Conductor diameter                                                                                                                                                                                                                                                            | 0.048 "                                 |
| Conductor material                                                                                                                                                                                                                                                            | TC (tinned copper)                      |
| Conductor insulation material                                                                                                                                                                                                                                                 | PVC                                     |
| Conductor size                                                                                                                                                                                                                                                                | 4 x 22 AWG [Similar to 0.34 mm²]        |
| Number of strands x O.D.                                                                                                                                                                                                                                                      | 19 x 0.0058 "                           |
| Conductor colors                                                                                                                                                                                                                                                              | BN, WH, BU, BK                          |
| <b>Electrical properties at +20 °C</b>                                                                                                                                                                                                                                        |                                         |
| Rated voltage                                                                                                                                                                                                                                                                 | 250 V                                   |
| Current                                                                                                                                                                                                                                                                       | 4 A                                     |
| <b>Mechanical and chemical properties</b>                                                                                                                                                                                                                                     |                                         |
| Bending radius (static)                                                                                                                                                                                                                                                       | ≥ 5 x Ø                                 |
| Bending radius (dynamic)                                                                                                                                                                                                                                                      | ≥ 10 x Ø                                |
| 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>CE<br>UKCA<br>RoHS           |
| <b>Note</b>                                                                                                                                                                                                                                                                   |                                         |
| <p>- 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.</p> <p>- We reserve the right to make technical alterations without prior notice.</p> |                                         |

Connector A



Connector B



## Circuit Diagram



Montagezubehör

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

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

**A900153**

**BS 8141-0**

Field-wireable male connector, M12 x 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm<sup>2</sup>, plastic housing, metal retaining screw

**U6550**

**B 8141-0**

Field-wireable female connector, M12 x 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm<sup>2</sup>, plastic housing, plastic coupling nut

**U6545**

Montagezubehör

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

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

**100016882**