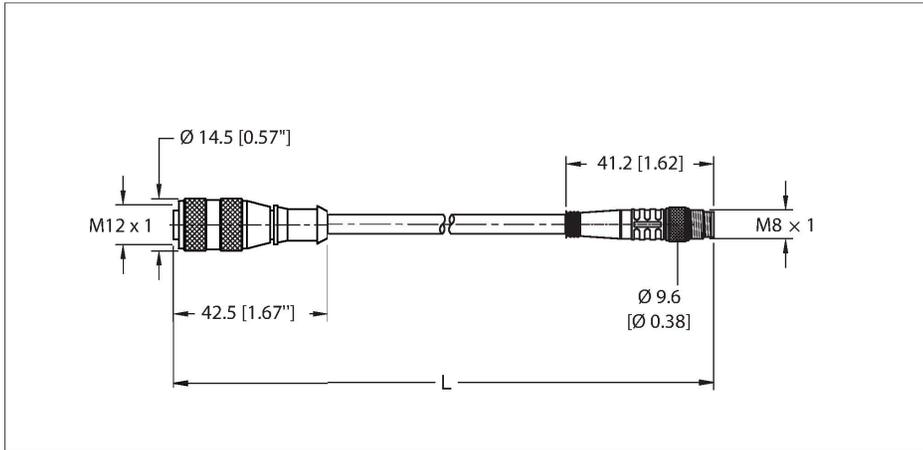


RK 4.4T-7-PSG 4M

Actuator and Sensor Cable – Extension Cable



Technische Daten

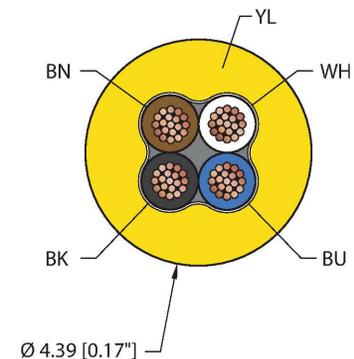
| | |
|---------------------------------|---|
| Type | RK 4.4T-7-PSG 4M |
| ID | U-09017 |
| Connector A | Female, M12 × 1, Straight, A-code |
| Design specification | Acc. to IEC 61076-2-101 |
| Number of contacts | 4 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, Nylon or TPU, 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 (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 | 4 |
| 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 (note max. torque of mating connector!) |

Features



- M12, Female, Straight, 4-pin
- M8, Male, Straight, 4-pin
- Threaded Connector
- General Purpose Cable
- Yellow PVC jacket, 4X26 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

Cable cross section



Contact assignment

RK 4.4T-7-PSG 4M | 21-02-2025 22-45 | Technische Änderungen vorbehalten

Technische Daten

| | |
|---------------------------------|---------------------|
| Mechanical life | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class (When coupled) | IP68 |
| | NEMA: 1, 3, 4, 6P |

| Cable data | |
|-------------------------------|---|
| Cable ID | RF50697 |
| Total number of conductors | 4 |
| Cable diameter | Ø 4.39 mm |
| Length (L) | 7 m |
| Cable jacket | PVC, Yellow |
| Conductor diameter | 0.039 " |
| Conductor material | TC (tinned copper) |
| Conductor insulation material | PVC |
| Conductor size | 4 x 26 AWG [Similar to 0.14 mm ²] |
| Number of strands x O.D. | 19 x 38 AWG |
| Conductor colors | BN, WH, BU, BK |

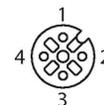
| Electrical properties at +20 °C | |
|---------------------------------|------------|
| Rated voltage | 125 VAC/DC |
| Current | 2 A |

| 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...+105 °C |
| Ambient temperature range (dynamic) | 5...+105 °C |
| Temperature range (installation) | -10...+105 °C |

| Approval | |
|-----------|-------------------------------|
| Approvals | UL 2238 CE UKCA RoHS |

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

Connector A



Connector B



Circuit Diagram

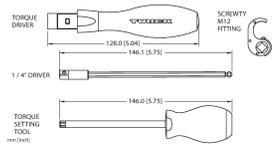
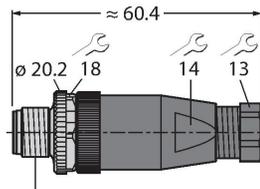


Technische Daten

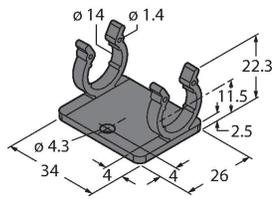
cycle speed, or operating below the rated cable bend radius.

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

Montagezubehör

| TORQUE-WRENCH-SET-M12-LEGACY | A900153 | BS 8141-0 | U6550 |
|--|---|--|--|
|  <p>TORQUE DRIVER 138.0 (5.43) 146.1 (5.75) SCREWITY M12 FITTING</p> <p>1/4\" DRIVER</p> <p>TORQUE SETTING TOOL (mm/inch)</p> | <p>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</p> |  <p>≈ 60.4 Ø 20.2 18 14 13 M12 x 1</p> | <p>Field-wireable male connector, M12 × 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 mm², plastic housing, metal retaining screw</p> |

Montagezubehör

| M12-CORDSETS-MOUNTING-CLIP-(10/BAG) | 100016882 |
|--|---|
|  <p>Ø 14 Ø 1.4 22.3 11.5 2.5 Ø 4.3 34 4 4 26</p> | <p>10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.</p> |

RK 4.4T-7-PSG 4M | 21-02-2025 22-45 | Technische Änderungen vorbehalten