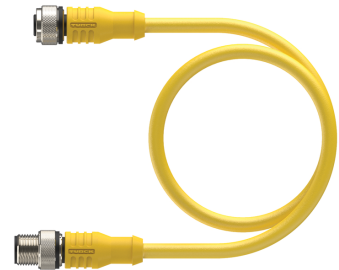
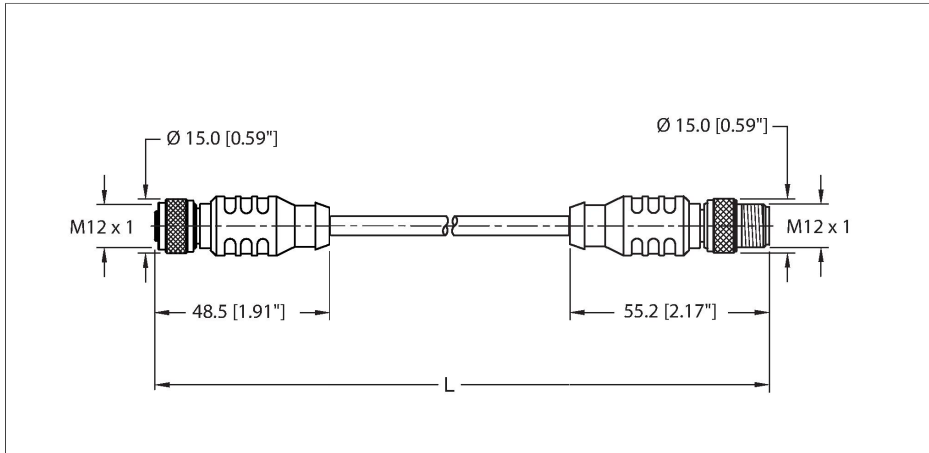


# RKE 4.5T-49-RSE 4.5T/S3060

## Actuator and Sensor Cable – Extension Cable



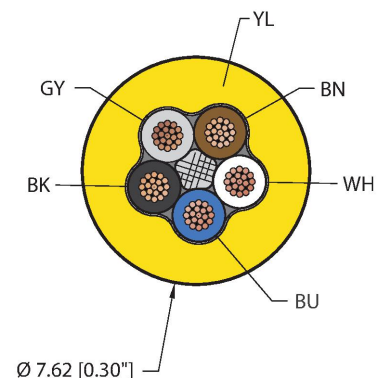
### Technische Daten

|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | RKE 4.5T-49-RSE 4.5T/S3060                              |
| ID                              | 100031770                                               |
| Special version                 | S3060 = Weldlife cable, ITC/PLTC/FT4                    |
| Connector A                     | Female, M12 × 1, Straight, A-code                       |
| Design specification            | Acc. to IEC 61076-2-101                                 |
| Number of contacts              | 5                                                       |
| 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, M12 × 1, Straight, A-code                         |
| Design specification            | Acc. to IEC 61076-2-101                                 |
| Number of contacts              | 5                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                |
| Contact carriers                | Plastic, PA, Yellow                                     |
| Connector body                  | Plastic, TPU, Yellow                                    |
| Coupling nut                    | Brass, CuZn, Nickel-plated                              |
| Tightening torque               | 0.8 ... 1 Nm                                            |

### Features

- UL US
- SP US
- CE
- UK CA
- RoHS compliant
- IP68/ IP69K
- DEGREE OF PROTECTION
- M12, Female, Straight, 5-pin
- M12, Male, Straight, 5-pin
- Instrumentation Tray Cable
- Yellow TPE jacket, 5X18 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4
- Flexlife® and C-Track Approved

### 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) | IP68, IP69K                             |
|                                 | NEMA: 1, 3, 4, 6P                       |

| Cable data                    |                                  |
|-------------------------------|----------------------------------|
| Cable ID                      | RF51720                          |
| Total number of conductors    | 5                                |
| Cable diameter                | Ø 7.62 mm                        |
| Length (L)                    | 49 m                             |
| Cable jacket                  | TPE, Yellow                      |
| Conductor diameter            | 0.076 "                          |
| Conductor material            | TC (tinned copper)               |
| Conductor insulation material | PVC                              |
| Conductor size                | 5 x 18 AWG [Similar to 0.75 mm²] |
| Number of strands x O.D.      | 19 x 0.0092 "                    |
| Conductor colors              | BN, WH, BU, BK, GY               |

| Electrical properties at +20 °C |       |
|---------------------------------|-------|
| Rated voltage                   | 250 V |
| Current                         | 4 A   |

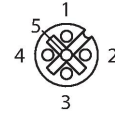
| Mechanical and chemical properties  |                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------|
| Bending radius (static)             | ≥ 5 x Ø                                                                              |
| Bending radius (dynamic)            | ≥ 10 x Ø                                                                             |
| 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                                                                        |

| Approval  |                                                      |
|-----------|------------------------------------------------------|
| Approvals | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS |

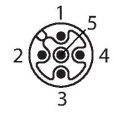
| Note |  |
|------|--|
|------|--|

- Flex ratings may be reduced if used in extreme temperatures, exposure to cer-

Connector A



Connector B



## Circuit Diagram



Technische Daten

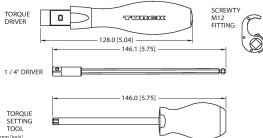
tain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

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

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

**A900153**

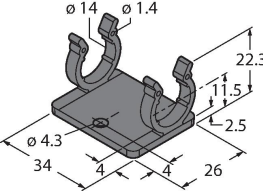


Adjustable torque driver to connect to a Ø15mm knurl. Compatible with the redesigned and legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, (1) 1/4"square to 4mm hex adaptor bit, and (1) Ø15mm spring loaded clamp bit

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**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.