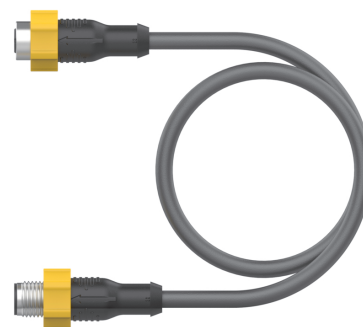
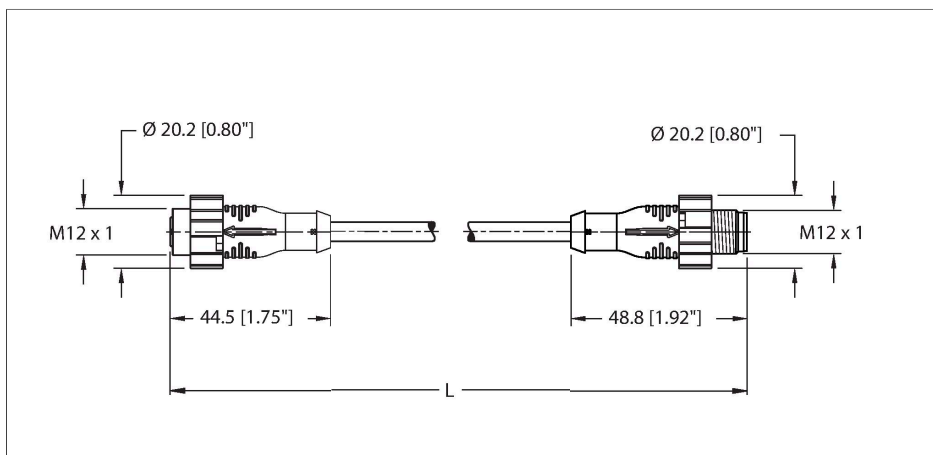


# EKRT-ESRT-A4.400-GU2K-3

## Actuator and Sensor Cable – Extension Cable



### Technical data

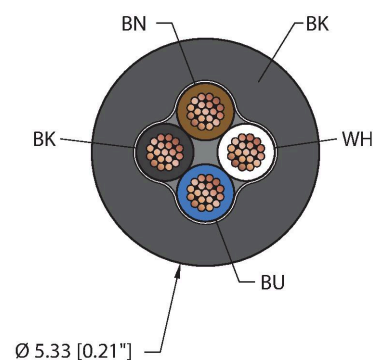
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | EKRT-ESRT-A4.400-GU2K-3                                   |
| ID no.                          | U2-33548                                                  |
| Replaces                        | RK 4.4T-3-RS 4.4T/S90                                     |
| Connector A                     | Female, M12 × 1, Straight, A-code                         |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of Pins                  | 4                                                         |
| Contacts                        | Bronze, CuSn, Gold-plated                                 |
| Contact carriers                | Plastic, TPU, Black                                       |
| Connector body                  | Plastic, TPU, Black                                       |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| Connector seal                  | O-ring, Plastic, FKM/FPM                                  |
| Torque sleeve                   | Plastic, PA, Yellow                                       |
| Tightening torque (range)       | 0.4 ... 1.8 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K<br>NEMA: 1, 3, 4, 6P, 12          |
| Connector B                     | Male, M12 × 1, Straight, A-code                           |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of contacts              | 4                                                         |
| Contacts                        | Bronze, CuSn, Gold-plated                                 |
| Contact carriers                | Plastic, TPU, Black                                       |
| Connector body                  | Plastic, TPU, Black                                       |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |

### Features



- M12, Female, Straight, 4-pin, Torque sleeve
- M12, Male, Straight, 4-pin, Torque sleeve
- General Purpose Cable
- TPU jacket, Black, 4X22 AWG
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved
- Cable length: 3 m

### Cable cross section



## Technical data

|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Torque sleeve                   | Plastic, PA, Yellow                                       |
| Tightening torque               | 0.4 ... 1.8 Nm<br>(note max. torque of mating connector!) |
| Mechanical lifespan             | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K                                   |
|                                 | NEMA: 1, 3, 4, 6P, 12                                     |

### Cable data

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| Cable ID                      | RF52513                                                |
| Total number of conductors    | 4                                                      |
| Cable diameter                | Ø 5.33 mm                                              |
| Cable length (L)              | 3 m (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                  | TPU, Black                                             |
| Conductor diameter            | 0.054 "                                                |
| Conductor material            | TC (tinned copper)                                     |
| Conductor insulation material | PVC                                                    |
| Conductor size                | 4 x 22 AWG [Similar to 0.34 mm <sup>2</sup> ]          |
| Number of strands x O.D.      | 19 x 0.0058 "                                          |
| Conductor colors              | BN, WH, BU, BK                                         |

### Electrical properties at +20 °C

|               |                                          |
|---------------|------------------------------------------|
| Rated voltage | 250 V <sub>AC</sub> /300 V <sub>DC</sub> |
| Current       | 4 A                                      |

### Mechanical and chemical properties

|                                     |                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------|
| Bending radius (static)             | ≥ 5 x Ø                                                                              |
| Bending radius (dynamic)            | ≥ 10 x Ø                                                                             |
| 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 °C...+90 °C                                                                      |
| Ambient temperature range (dynamic) | 5 °C...+90 °C                                                                        |
| Temperature range (installation)    | -10 °C...+90 °C                                                                      |

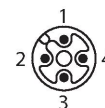
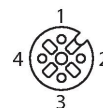
### Approval

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

## Contact assignment

Connector A

Connector B



## Cable cross-section view

## Circuit Diagram



Technical data

|      |                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note | <ul style="list-style-type: none"><li>- 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.</li></ul> |
|      | <ul style="list-style-type: none"><li>- The torque sleeve can be removed, before or after installation by inserting a small flat screwdriver near the relief by the arrow and prying.</li></ul>                                      |
|      | <ul style="list-style-type: none"><li>- We reserve the right to make technical alterations without prior notice.</li></ul>                                                                                                           |

Accessories

M12-TORQUE-SLEEVE,YELLOW(10Pack)

A900167



10 Pack of Yellow Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.

TORQUE-WRENCH-SET-M12

A900152

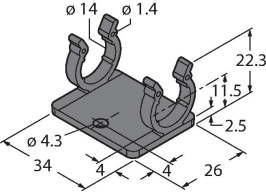


Adjustable torque driver to connect to the 13mm hex. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, and (1) 13mm forked bit.

Accessories

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.