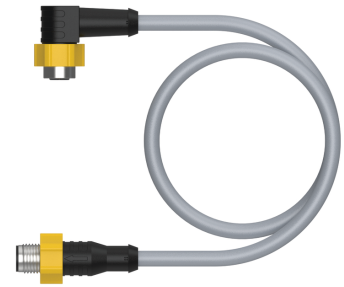
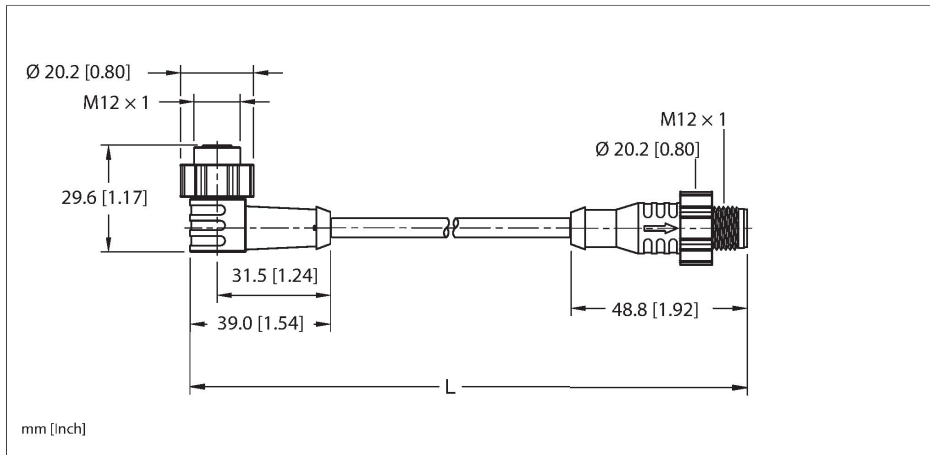


# EKWT-ESRT-A5.500-GU24-0.5

## Actuator and Sensor Cable – Extension Cable



### Technische Daten

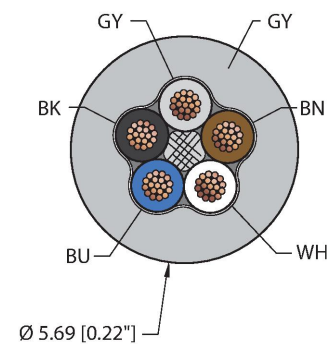
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | EKWT-ESRT-A5.500-GU24-0.5                                 |
| ID                              | 100037957                                                 |
| Replaces                        | WK 4.5T-x-RS 4.5T/S90                                     |
| Connector A                     | Female, M12 x 1, Right angle, A-code                      |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of contacts              | 5                                                         |
| Contacts                        | Bronze, CuSn, 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                                  |
| 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 x 1, Straight, A-code                           |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of contacts              | 5                                                         |
| Contacts                        | Bronze, CuSn, Gold-plated                                 |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Black                                       |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |

### Features



- M12, Female, Right angle, 5-pin, Torque sleeve
- M12, Male, Straight, 5-pin, Torque sleeve
- General Purpose Cable
- TPU jacket, Gray, 5X22 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

### Cable cross section

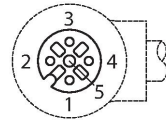


### Contact assignment

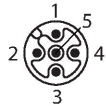
# Technische Daten

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Torque sleeve                             | Plastic, PA, Yellow                                                                  |
| Tightening torque                         | 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                                                              |
|                                           | NEMA: 1, 3, 4, 6P, 12                                                                |
| <b>Cable data</b>                         |                                                                                      |
| Cable ID                                  | RF50649                                                                              |
| Total number of conductors                | 5                                                                                    |
| Cable diameter                            | Ø 5.33 mm                                                                            |
| Length (L)                                | 0.5 m, (+50mm or 4% of length/-0.0, Whichever is greater)                            |
| Cable jacket                              | TPU, Gray                                                                            |
| Conductor diameter                        | 0.048 "                                                                              |
| Conductor material                        | TC (tinned copper)                                                                   |
| Conductor insulation material             | PVC                                                                                  |
| Conductor size                            | 5 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, GY                                                                   |
| <b>Electrical properties at +20 °C</b>    |                                                                                      |
| Rated voltage                             | 250 V <sub>AC</sub> /300 V <sub>DC</sub>                                             |
| 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...+90 °C                                                                         |
| Ambient temperature range (dynamic)       | 5...+90 °C                                                                           |
| Temperature range (installation)          | -10...+90 °C                                                                         |
| <b>Approval</b>                           |                                                                                      |
| Approvals                                 | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS                                 |

Connector A



Connector B



## Circuit Diagram



Technische Daten

|      |                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>                                                                                                           |

Montagezubehör

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.

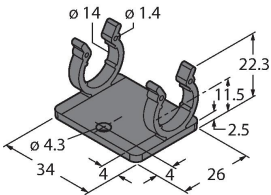
TORQUE-WRENCH-SET-M12/SW13A900152



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.

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.