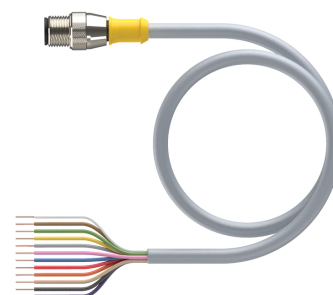
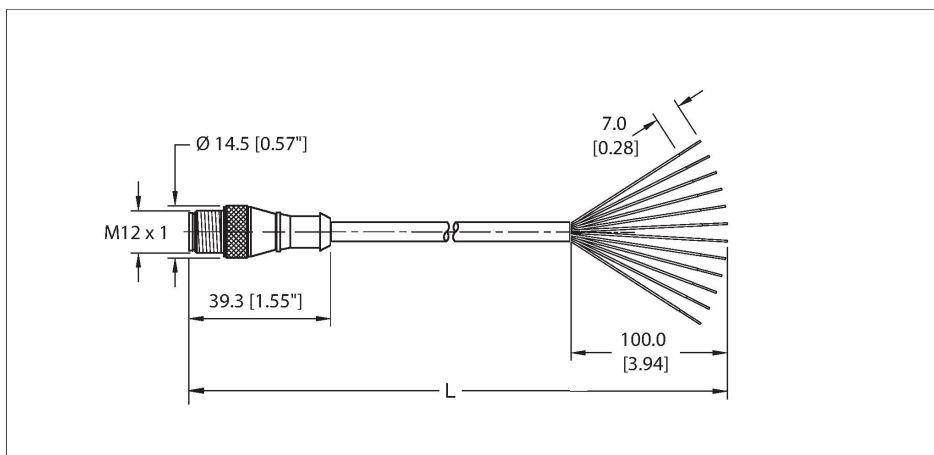


# RS 12T-0.8

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

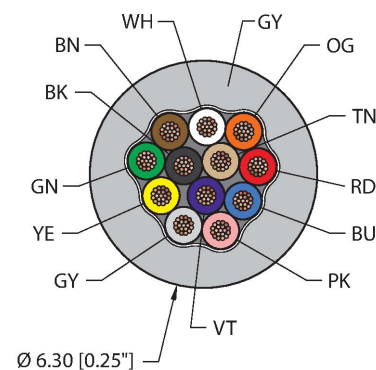
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | RS 12T-0.8                                                |
| ID                              | 100020465                                                 |
| Connector A                     | Male, M12 × 1, Straight, A-code                           |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of contacts              | 12                                                        |
| Contacts                        | Bronze, CuSn, Gold-plated                                 |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Yellow                                      |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| 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                                         |
| <b>Cable data</b>               |                                                           |
| Cable ID                        | RF50991                                                   |
| Total number of conductors      | 12                                                        |
| Cable diameter                  | Ø 6.3 mm                                                  |
| Length (L)                      | 0.8 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                    | PVC, Gray                                                 |
| Conductor diameter              | 0.043 "                                                   |
| Conductor material              | TC (tinned copper)                                        |
| Conductor insulation material   | PVC                                                       |

### Features



- M12, Male, Straight, 12-pin
- General Purpose Cable
- Gray PVC jacket, 12X24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1

### Cable cross section



### Contact assignment

Technische Daten

|                          |                                                |
|--------------------------|------------------------------------------------|
| Conductor size           | 12 x 24 AWG [Similar to 0.25 mm²]              |
| Number of strands x O.D. | 19 x 36 AWG                                    |
| Conductor colors         | WH, BN, GN, YE, GY, PK, BU, RD, OG, TN, BK, VT |

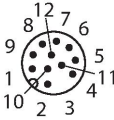
|                                 |      |
|---------------------------------|------|
| Electrical properties at +20 °C |      |
| Rated voltage                   | 30 V |
| Current                         | 2 A  |

|                                     |                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------|
| 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. |
| 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 certain 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.                                                                                                           |

Connector A



Circuit Diagram

|    |    |
|----|----|
| 1  | WH |
| 2  | BN |
| 3  | GN |
| 4  | YE |
| 5  | GY |
| 6  | PK |
| 7  | BU |
| 8  | RD |
| 9  | OG |
| 10 | TN |
| 11 | BK |
| 12 | VT |

Montagezubehör

**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

## 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.