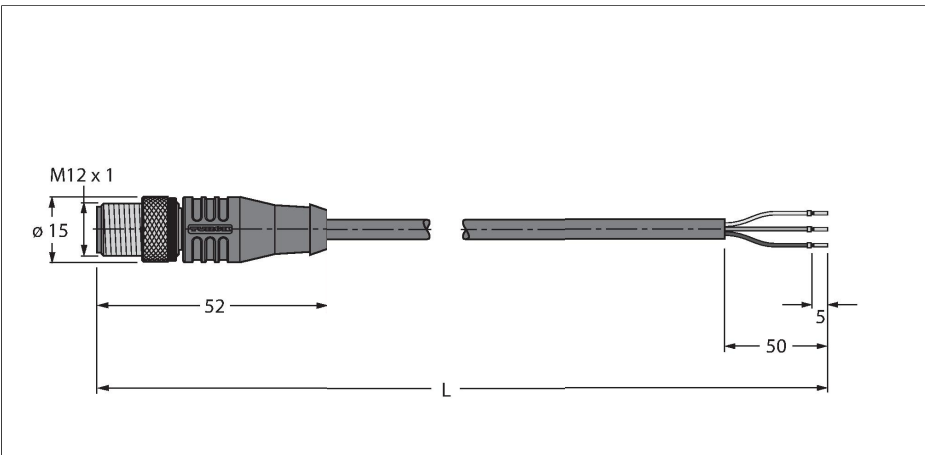


# HT-WAS3-5/S2430

## High-Temperature Resistant Actuator and Sensor Cable – Connection Cable

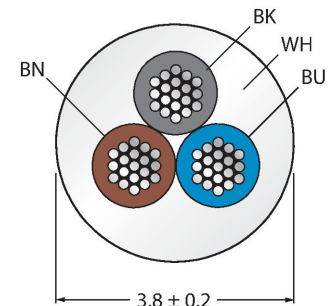


### Features

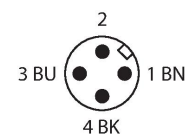


- M12 male connector, straight, 3-pin
- Sheath material: PTFE
- Sheath color: white
- Flame-retardant
- Resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Resistant to acids and alkaline solutions
- LABS free
- Resistant to microbes and hydrolysis
- Cold and heat-flexible
- RoHS-compliant
- Protection class IP65
- Temperature range of the cable: -190°C... 260°C
- Cable length: 5.0 m

### Cable Cross-Section



### Contact assignment



### Technical data

|                                        |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Type                                   | HT-WAS3-5/S2430                                            |
| ID                                     | 8036091                                                    |
| Connector A                            | Male, M12 × 1, Straight                                    |
| Number of Pins                         | 3                                                          |
| Contacts                               | Brass, CuZn, Gold-plated                                   |
| Contact carriers                       | Plastic, PBT GF, Black                                     |
| Connector body                         | Plastic, PBT GF, Black                                     |
| Coupling nut/screw                     | Brass, CuZn, Nickel-plated                                 |
| Seal                                   | FPM/FKM                                                    |
| Tightening torque (range)              | 0.8 ... 1 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan                    | > 100 Mating cycles                                        |
| Pollution degree                       | 3                                                          |
| Protection class                       | IP65, Only in screwed condition                            |
| <b>Cable</b>                           |                                                            |
| Cable diameter                         | Ø 3.8 mm ±0.20                                             |
| Cable length                           | 5 m                                                        |
| Cable jacket                           | PTFE, White                                                |
| Core insulation                        | PTFE                                                       |
| Core cross-section                     | 3 x 0.34 mm²                                               |
| Arrangement of strands                 | 7 x 0.254 mm                                               |
| Core colors                            | BN, BU, BK                                                 |
| <b>Electrical properties at +20 °C</b> |                                                            |
| Rated voltage                          | 250 V                                                      |
| Current                                | 4 A                                                        |
| Insulation resistance                  | ≥ 10 <sup>8</sup> Ω                                        |

Technical data

|                                          |               |
|------------------------------------------|---------------|
| forward resistance                       | ≤ 5 mΩ        |
| Mechanical and chemical properties       |               |
| Bending radius (stationary installation) | ≥ 5 x Ø       |
| Bending radius (flexible use)            | ≥ 10 x Ø      |
| Ambient temperature range (stationary)   | -20...+150 °C |

Circuit Diagram

