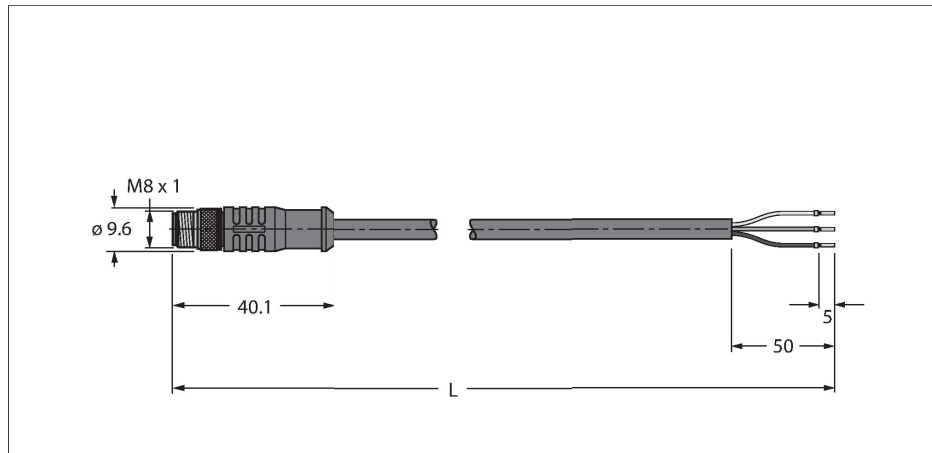


# HT-SSP3-5/S2430

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

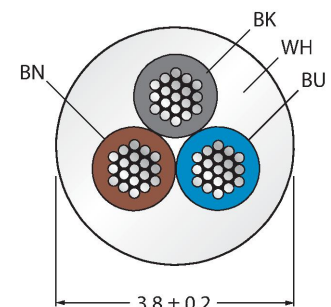


### Features



- M8 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-SSP3-5/S2430                                              |
| ID                              | 8036101                                                      |
| Connector A                     | Male, M8 × 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                                   |
| Tightening torque (range)       | 0.5 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan             | > 100 Mating cycles                                          |
| Pollution degree                | 3                                                            |
| Protection class                | IP65, Only in screwed condition                              |
| Cable                           |                                                              |
| 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 mm <sup>2</sup>                                     |
| Arrangement of strands          | 7 x 0.254 mm                                                 |
| Core colors                     | BN, BU, BK                                                   |
| Electrical properties at +20 °C |                                                              |
| Rated voltage                   | 250 V                                                        |
| Current                         | 4 A                                                          |
| Insulation resistance           | ≥ 10 <sup>8</sup> Ω                                          |
| forward resistance              | ≤ 5 mΩ                                                       |

Technical data

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

Circuit Diagram

