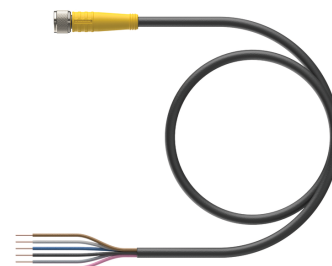
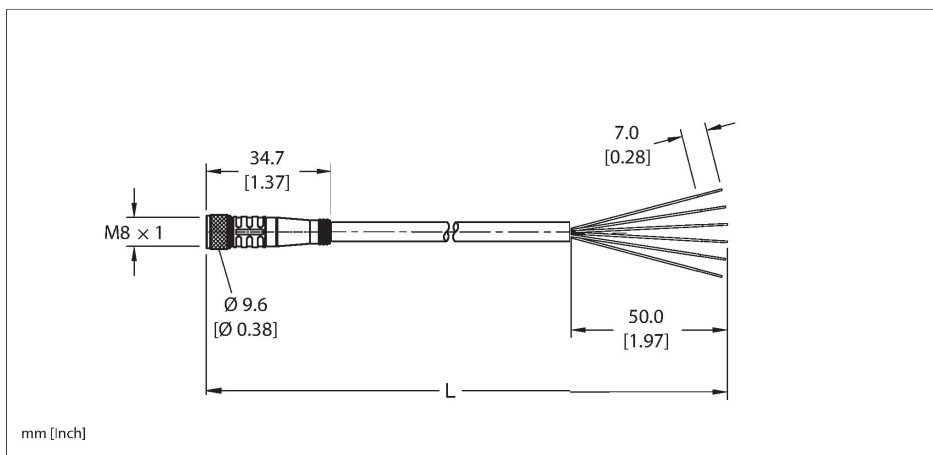


# PKG 6M-6/S90

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

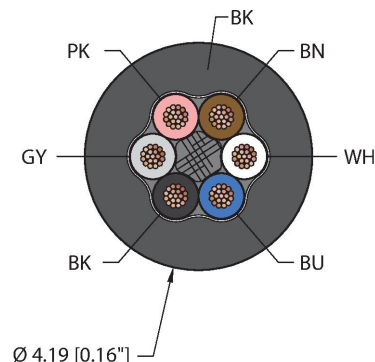
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | PKG 6M-6/S90                                              |
| ID                              | U-90197                                                   |
| Connector A                     | Female, M8 × 1, Straight                                  |
| Design specification            | Acc. to IEC 61076-2-104                                   |
| Number of contacts              | 6                                                         |
| Contacts                        | Brass, CuZn, Gold-plated                                  |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Yellow                                      |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| Connector seal                  | O-ring, Plastic, FKM/FPM                                  |
| Tightening torque (range)       | 0.4 ... 0.8 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP67                                                      |
|                                 | NEMA: 1, 3, 4, 6P                                         |
| <b>Cable data</b>               |                                                           |
| Cable ID                        | RF50735                                                   |
| Total number of conductors      | 6                                                         |
| Cable diameter                  | Ø 4.19 mm                                                 |
| Length (L)                      | 6 m, (+50mm or 4% of length/-0.0, Whichever is greater)   |
| Cable jacket                    | TPU, Black                                                |
| Conductor diameter              | 0.033 "                                                   |
| Conductor material              | TC (tinned copper)                                        |

### Features



- M8, Female, Straight, 6-pin
- Threaded connector
- General Purpose Cable
- TPU jacket, Black, 6X26 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1

### Cable cross section



### Contact assignment

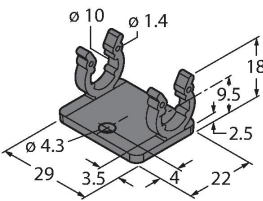
Technische Daten

|                                     |                                                      |
|-------------------------------------|------------------------------------------------------|
| Conductor insulation material       | SR-PVC                                               |
| Conductor size                      | 6 x 26 AWG [Similar to 0.14 mm²]                     |
| Number of strands x O.D.            | 19 x 38 AWG                                          |
| Conductor colors                    | BN, WH, BU, BK, GY, PK                               |
| Electrical properties at +20 °C     |                                                      |
| Rated voltage                       | 125 VAC/DC                                           |
| 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                                               |
| Ambient temperature range (static)  | -40...+90 °C                                         |
| Ambient temperature range (dynamic) | 5...+90 °C                                           |
| Temperature range (installation)    | -10...+90 °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.

Montagezubehör

M8-CORDSETS-MOUNTING-CLIP-(10/BAG)200005995



10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.

Connector A



Circuit Diagram

