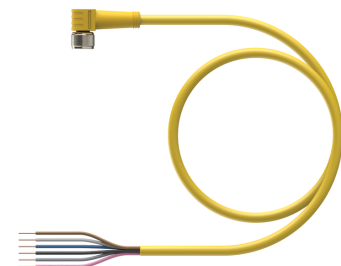
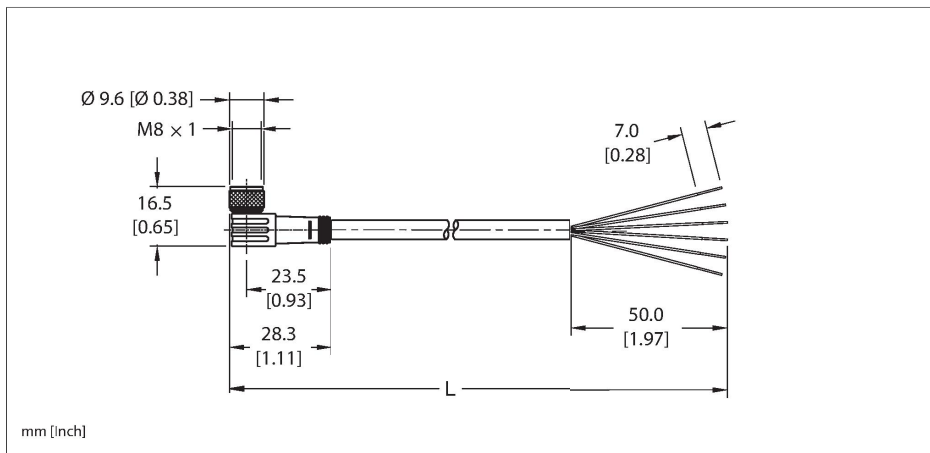


# PKW 6M-6

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

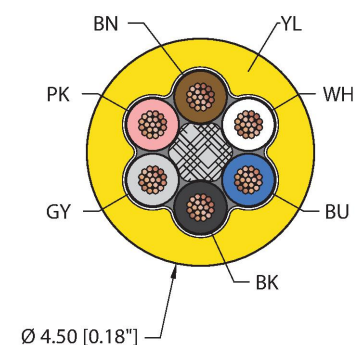
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | PKW 6M-6                                                  |
| ID                              | U-13935                                                   |
| Connector A                     | Female, M8 × 1, Right angle                               |
| 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                        | RF50734                                                   |
| Total number of conductors      | 6                                                         |
| Cable diameter                  | Ø 4.5 mm                                                  |
| Length (L)                      | 6 m, (+50mm or 4% of length/-0.0, Whichever is greater)   |
| Cable jacket                    | PVC, Yellow                                               |
| Conductor diameter              | 0.033 "                                                   |
| Conductor material              | TC (tinned copper)                                        |

### Features



- M8, Female, Right-angle, 6-pin
- Threaded Connector
- General Purpose Cable
- Yellow PVC jacket, 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...+105 °C |
| Ambient temperature range (dynamic) | 5...+105 °C   |
| Temperature range (installation)    | -10...+105 °C |

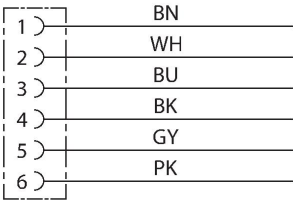
|           |                                                      |
|-----------|------------------------------------------------------|
| Approval  |                                                      |
| Approvals | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS |

|                                                                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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



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.