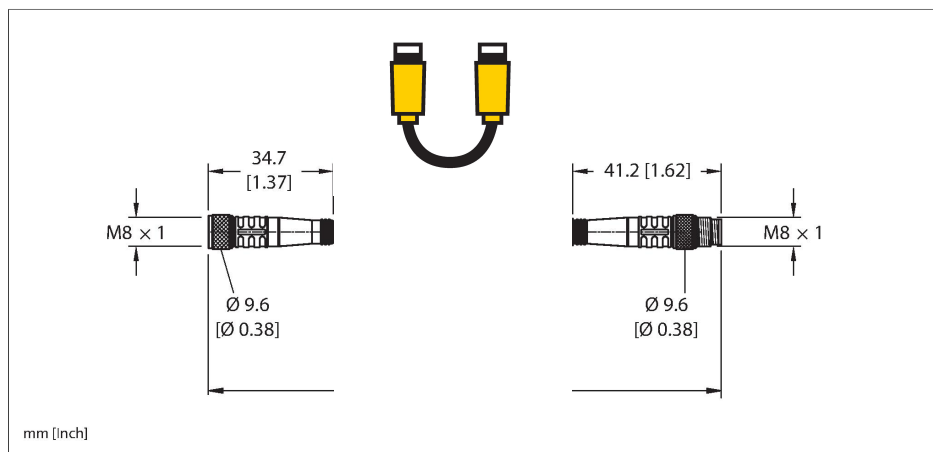


# PKG 3M-1.8-PSG 4M/S90

## Actuator and Sensor Cordset – Extension Cordset

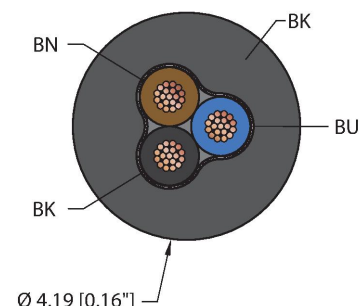


### Features



- Straight Female M8 picofast Connector
- Straight Male M8 picofast Connector
- M8, Female, Straight, 3-pin
- Threaded connector
- M8, Male, Straight, 4-pin
- Threaded Connector
- General Purpose Cable
- TPU jacket, Black, 3X24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

### Cable cross section



### Contact assignment

Connector A

Connector B



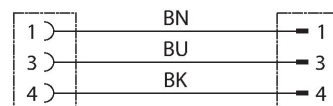
### Technische Daten

|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | PKG 3M-1.8-PSG 4M/S90                                     |
| ID                              | UX18882                                                   |
| Special version                 | S90 = TPU cable jacket                                    |
| Connector A                     | Female, M8 × 1, Straight                                  |
| Design specification            | Acc. to IEC 61076-2-104                                   |
| Number of contacts              | 3                                                         |
| 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                                         |
| Connector B                     | Male, M8 × 1, Straight                                    |
| Design specification            | Acc. to IEC 61076-2-104                                   |
| Number of contacts              | 4                                                         |
| Contacts                        | Brass, CuZn, Gold-plated                                  |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Yellow                                      |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| Tightening torque               | 0.4 ... 0.8 Nm                                            |

## Technische Daten

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
|                                           | (note max. torque of mating connector!)                                              |
| Mechanical life                           | > 100 Mating cycles                                                                  |
| Pollution degree                          | 3                                                                                    |
| Protection class (When coupled)           | IP68                                                                                 |
|                                           | NEMA: 1, 3, 4, 6P                                                                    |
| <b>Cable data</b>                         |                                                                                      |
| Cable ID                                  | RF50587                                                                              |
| Total number of conductors                | 3                                                                                    |
| Cable diameter                            | Ø 4.19 mm                                                                            |
| Length (L)                                | 1.8 m, (+50mm or 4% of length/-0.0, Whichever is greater)                            |
| Cable jacket                              | TPU, Black                                                                           |
| Conductor diameter                        | 0.044 "                                                                              |
| Conductor material                        | TC (tinned copper)                                                                   |
| Conductor insulation material             | PVC                                                                                  |
| Conductor size                            | 3 x 24 AWG [Similar to 0.25 mm <sup>2</sup> ]                                        |
| Number of strands x O.D.                  | 19 x 36 AWG                                                                          |
| Conductor colors                          | BN, BU, BK                                                                           |
| <b>Electrical properties at +20 °C</b>    |                                                                                      |
| Rated voltage                             | 125 VAC/DC                                                                           |
| Current                                   | 2 A                                                                                  |
| <b>Mechanical and chemical properties</b> |                                                                                      |
| 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. |
| C-Track                                   | Yes                                                                                  |
| Ambient temperature range (static)        | -40...+90 °C                                                                         |
| Ambient temperature range (dynamic)       | 5...+90 °C                                                                           |
| Temperature range (installation)          | -10...+90 °C                                                                         |
| <b>Approval</b>                           |                                                                                      |
| Approvals                                 | CSA C22.2 No. 182.3<br>CE<br>RoHS<br>UL Listed<br>UL 2238                            |

## Circuit Diagram



## Technische Daten

### Note

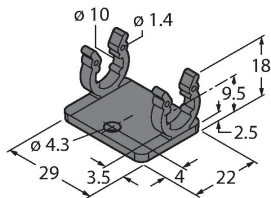
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- 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.