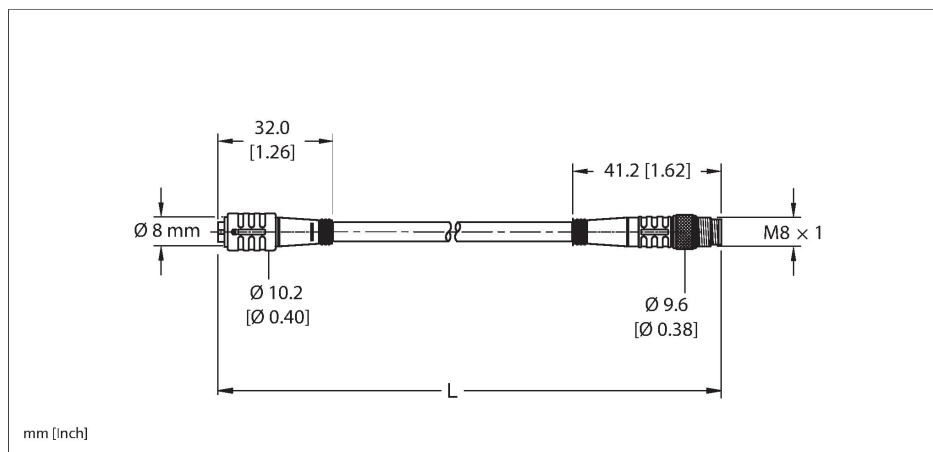


# PKG 3Z-3-PSG 3M

## Actuator and Sensor Cable – Extension Cable



### Features

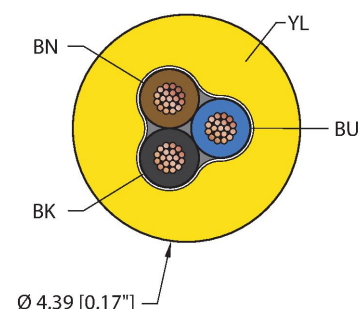


- M8, Female, Straight, 3-pin
- Snap-on Connector with Sleeve Lock
- M8, Male, Straight, 3-pin
- Threaded Connector
- General Purpose Cable
- Yellow PVC jacket, 3X24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

### Technische Daten

|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | PKG 3Z-3-PSG 3M                                           |
| ID                              | U0069-04                                                  |
| Connector A                     | Female, M8 - Ø 8 mm (snap), 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                                      |
| Interlocking sleeve             | Plastic, POM, black                                       |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP67                                                      |
|                                 | NEMA: 1, 3, 4, 6P                                         |
| Connector B                     | Male, M8 x 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                                |
| Tightening torque               | 0.4 ... 0.8 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP68                                                      |

### Cable cross section



### Contact assignment

Connector A

Connector B

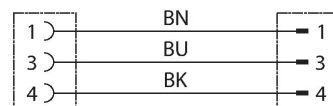


## Technische Daten

NEMA: 1, 3, 4, 6P

| Cable data                                                                                                                                                                           |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Cable ID                                                                                                                                                                             | RF50642                                                                              |
| Total number of conductors                                                                                                                                                           | 3                                                                                    |
| Cable diameter                                                                                                                                                                       | Ø 4.39 mm                                                                            |
| Length (L)                                                                                                                                                                           | 3 m, (+50mm or 4% of length/-0.0, Whichever is greater)                              |
| Cable jacket                                                                                                                                                                         | PVC, Yellow                                                                          |
| Conductor diameter                                                                                                                                                                   | 0.044 "                                                                              |
| Conductor material                                                                                                                                                                   | TC (tinned copper)                                                                   |
| Conductor insulation material                                                                                                                                                        | PVC                                                                                  |
| Conductor size                                                                                                                                                                       | 3 x 24 AWG [Similar to 0.25 mm²]                                                     |
| Number of strands x O.D.                                                                                                                                                             | 19 x 36 AWG                                                                          |
| Conductor colors                                                                                                                                                                     | BN, BU, BK                                                                           |
| Electrical properties at +20 °C                                                                                                                                                      |                                                                                      |
| Rated voltage                                                                                                                                                                        | 125 VAC/DC                                                                           |
| Current                                                                                                                                                                              | 4 A                                                                                  |
| Mechanical and chemical properties                                                                                                                                                   |                                                                                      |
| 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...+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. |                                                                                      |

## Circuit Diagram



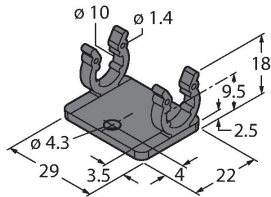
## Technische Daten

- 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.