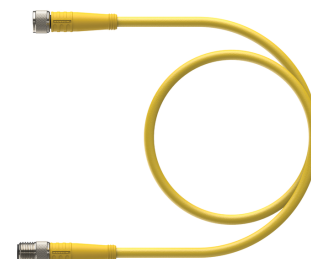


# PKG 6M-20-PSG 6M

## Actuator and Sensor Cable – Extension Cable



### Technische Daten

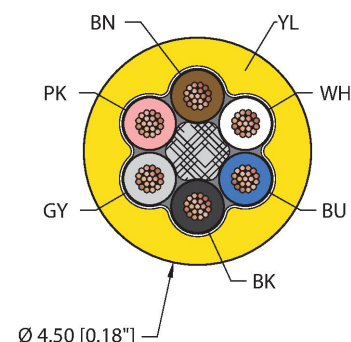
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | PKG 6M-20-PSG 6M                                          |
| ID                              | U-60854                                                   |
| 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                                         |
| Connector B                     | Male, 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                                |
| Tightening torque               | 0.4 ... 0.8 Nm<br>(note max. torque of mating connector!) |

### Features



- M8, Female, Straight, 6-pin
- Threaded connector
- M8, Male, Straight, 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

|                                 |                     |
|---------------------------------|---------------------|
| Mechanical life                 | > 100 Mating cycles |
| Pollution degree                | 3                   |
| Protection class (When coupled) | IP68                |
|                                 | NEMA: 1, 3, 4, 6P   |

| Cable data                    |                                                          |
|-------------------------------|----------------------------------------------------------|
| Cable ID                      | RF50734                                                  |
| Total number of conductors    | 6                                                        |
| Cable diameter                | Ø 4.5 mm                                                 |
| Length (L)                    | 20 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                  | PVC, Yellow                                              |
| Conductor diameter            | 0.033 "                                                  |
| Conductor material            | TC (tinned copper)                                       |
| 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.                                                                                                           |

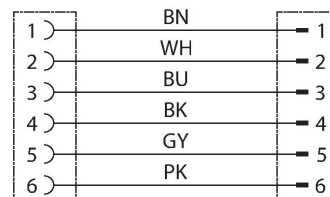
Connector A



Connector B



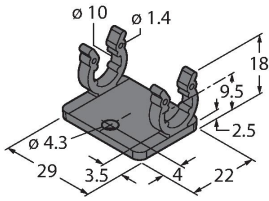
## Circuit Diagram



## 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.