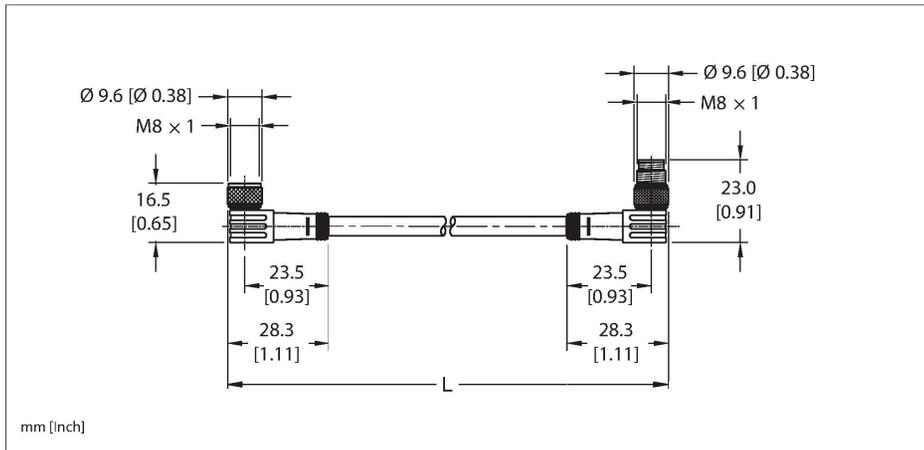


PKW 3M-0.5-PSW 3M/S90/S101

Actuator and Sensor Cable – Extension Cable



Technische Daten

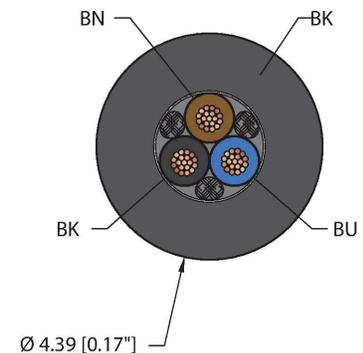
| | |
|---------------------------------|---|
| Type | PKW 3M-0.5-PSW 3M/S90/S101 |
| ID | U99-17504 |
| Connector A | Female, M8 × 1, Right angle |
| Design specification | Acc. to IEC 61076-2-104 |
| Number of contacts | 3 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, Nylon 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 (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, Right angle |
| 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 (note max. torque of mating connector!) |

Features



- M8, Female, Right-angle, 3-pin
- Threaded Connector
- M8, Male, Right-angle, 3-pin
- Threaded Connector
- TPU jacket, Black, 3X24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

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 | RF51166 |
| Total number of conductors | 3 |
| Cable diameter | Ø 4.39 mm |
| Length (L) | 0.5 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket | TPU, Black |
| Conductor diameter | 0.042 " |
| Conductor material | TC (tinned copper) |
| Conductor insulation material | TPC-ET |
| Conductor size | 3 x 24 AWG [Similar to 0.25 mm ²] |
| 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 |
| Torsion rating | Max. 20 million |
| UL cold bend rating | -40 °C |
| Flex rating 10 x Ø | 20 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 |
| Approval | |
| Approvals | UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS |

Connector A

Connector B



Circuit Diagram



Technische Daten

Note

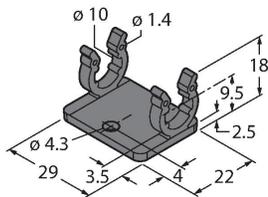
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- We reserve the right to make technical alterations without prior notice.

Montagezubehör

M8-CORDESETS-MOUNTING-CLIP-(10/BAG)

200005995



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