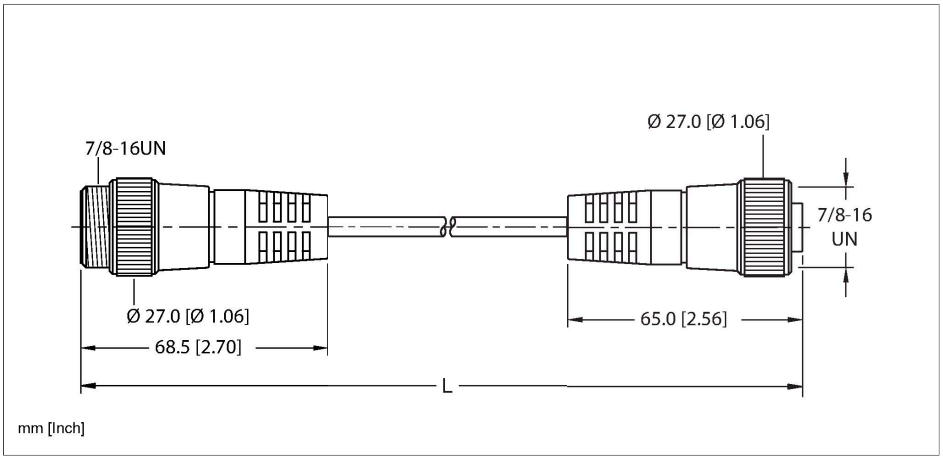
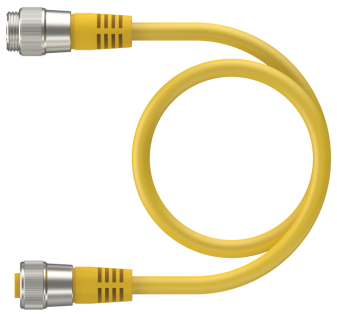
# RSM RKM 36-7.7M
# Actuator and Sensor Cable – Extension Cable



## Technische Daten

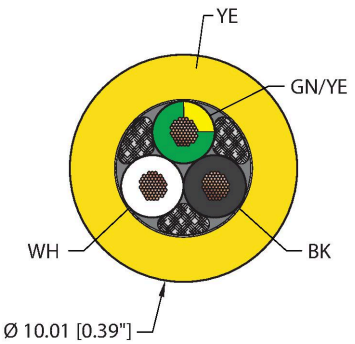
| | |
|---|---|
| Type | RSM RKM 36-7.7M |
| ID | U-94566 |
| **Connector A** | **Male, 7/8"-16 UN, Straight** |
| Number of contacts | 3 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Yellow |
| Connector body | Plastic, TPU, Yellow |
| Coupling nut | Brass, CuZn, Nickel-plated |
| Tightening torque | 2 Nm |
| Mechanical life | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K |
| | NEMA: 1, 3, 4, 6P, 12 |
| **Connector B** | **Female, 7/8"-16 UN, Straight** |
| Number of contacts | 3 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Yellow |
| Connector body | Plastic, TPU, Yellow |
| Coupling nut | Brass, CuZn, Nickel-plated |
| Tightening torque | 2 Nm |
| Mechanical life | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K |
| | NEMA: 1, 3, 4, 6P, 12 |

## Features

IP67/IP68 IP69/IP69K DEGREE OF PROTECTION

- 7/8” Male, Straight, 3-pin
- 7/8" Female, straight, 3-pin
- Flexible Service Cable
- Yellow PVC jacket, 3X16 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1100, CSA FT2

## Cable cross section

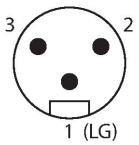



## Contact assignment

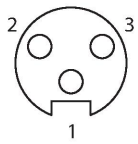
## Technische Daten

| | |
|---|---|
| **Cable data** | |
| Cable ID | RF50536 |
| Total number of conductors | 3 |
| Cable diameter | Ø 10.01 mm |
| Length (L) | 7.7 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket | PVC, Yellow |
| Conductor diameter | 0.12 " |
| Conductor material | BC (bare copper) |
| Conductor insulation material | PVC |
| Conductor size | 3 x 16 AWG [Similar to 1.50 mm²] |
| Number of strands x O.D. | 65 x 34 AWG |
| Conductor colors | GNYE, BK, WH |
| **Electrical properties at +20 °C** | |
| Rated voltage | 600 V |
| Current | 10 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