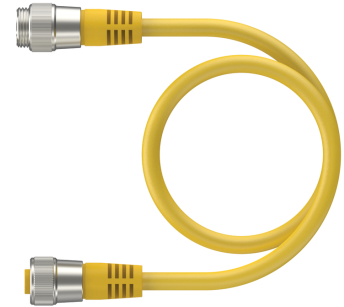
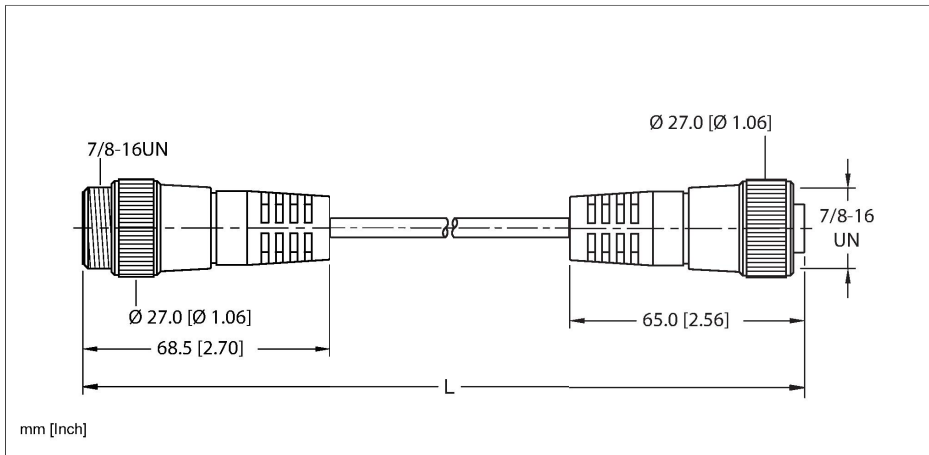


# RSM RKM 66-8M/S101

## Actuator and Sensor Cable – Extension Cable



### Technische Daten

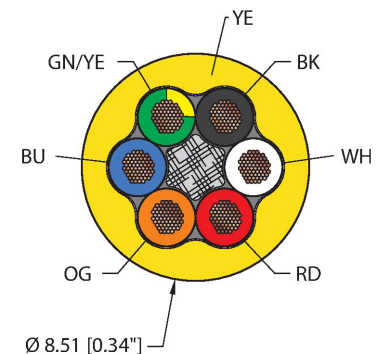
|                                 |                              |
|---------------------------------|------------------------------|
| Type                            | RSM RKM 66-8M/S101           |
| ID                              | 100010189                    |
| Connector A                     | Male, 7/8"-16 UN, Straight   |
| Number of contacts              | 6                            |
| 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              | 6                            |
| 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



- 7/8" Male, Straight, 6-pin
- 7/8" Female, Straight, 6-pin
- Yellow TPE jacket, 6X16 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

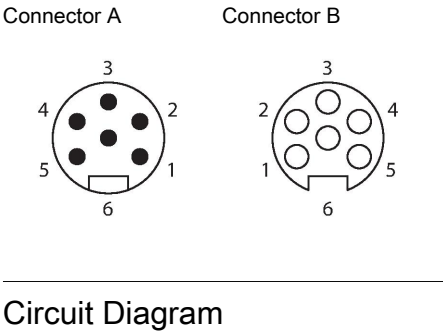
### Cable cross section



### Contact assignment

Technische Daten

| Cable data                                                                                                                                                                           |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Cable ID                                                                                                                                                                             | RF51044                                                                              |
| Total number of conductors                                                                                                                                                           | 6                                                                                    |
| Cable diameter                                                                                                                                                                       | Ø 8.51 mm                                                                            |
| Length (L)                                                                                                                                                                           | 8 m, (+50mm or 4% of length/-0.0, Whichever is greater)                              |
| Cable jacket                                                                                                                                                                         | TPE, Yellow                                                                          |
| Conductor diameter                                                                                                                                                                   | 0.082 "                                                                              |
| Conductor material                                                                                                                                                                   | BC (bare copper)                                                                     |
| Conductor insulation material                                                                                                                                                        | TPC-ET                                                                               |
| Conductor size                                                                                                                                                                       | 6 x 16 AWG [Similar to 1.50 mm²]                                                     |
| Number of strands x O.D.                                                                                                                                                             | 65 x 34 AWG                                                                          |
| Conductor colors                                                                                                                                                                     | WH, RD, GN/YE, OG, BK, BU                                                            |
| Electrical properties at +20 °C                                                                                                                                                      |                                                                                      |
| Rated voltage                                                                                                                                                                        | 600 V                                                                                |
| Current                                                                                                                                                                              | 8 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...+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. |                                                                                      |



## Technische Daten

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

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