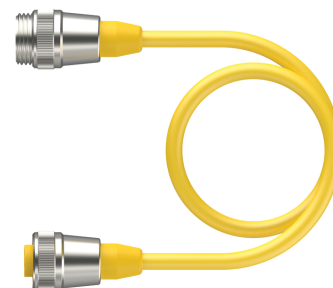
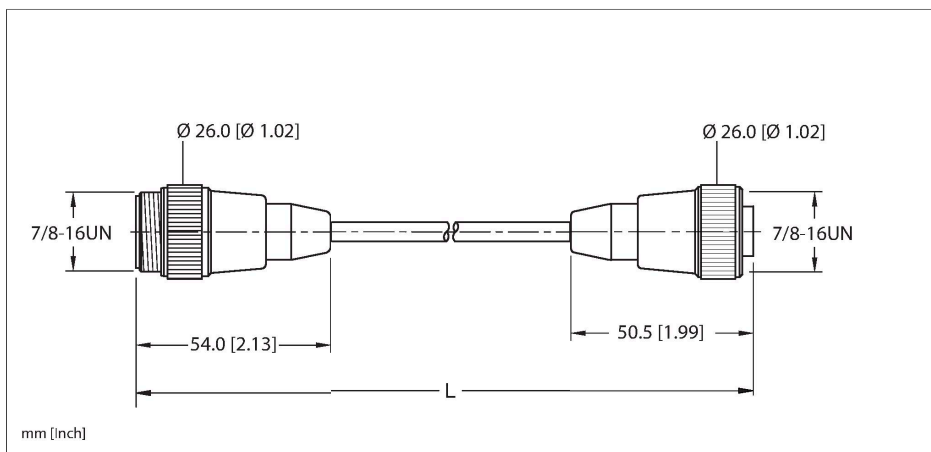


# RSM RKM 61-30M/S90

## Actuator and Sensor Cable – Extension Cable



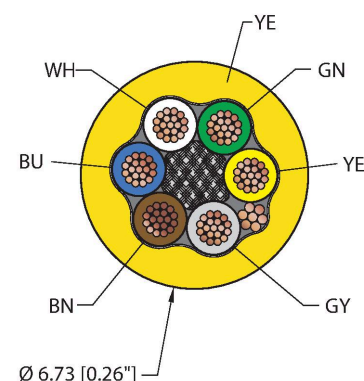
### Technische Daten

|                                 |                               |
|---------------------------------|-------------------------------|
| Type                            | RSM RKM 61-30M/S90            |
| ID                              | U-33410                       |
| Connector A                     | Male, 7/8"-16 UN, Straight    |
| Number of contacts              | 6                             |
| Contacts                        | Brass, CuZn, Gold-plated      |
| Contact carriers                | Plastic, Nylon or 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, Nylon or 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
  - General Purpose Cable
  - TPU jacket, Yellow, shielded, 6X18 AWG
  - 40 Cold Bend Rating
  - Flame Ratings: UL1061, CSA FT1

### Cable cross section



### Contact assignment

Technische Daten

| Cable data                                                                                                                                                                           |                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Cable ID                                                                                                                                                                             | RF50662                                                  |
| Total number of conductors                                                                                                                                                           | 6                                                        |
| Cable diameter                                                                                                                                                                       | Ø 6.73 mm                                                |
| Length (L)                                                                                                                                                                           | 30 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                                                                                                                                                                         | TPU, Yellow                                              |
| Shielding                                                                                                                                                                            | Aluminum/polyester (IN), 22 AWG TC (Tinned Copper)       |
| Conductor diameter                                                                                                                                                                   | 0.064 "                                                  |
| Conductor material                                                                                                                                                                   | TC (tinned copper)                                       |
| Conductor insulation material                                                                                                                                                        | PVC                                                      |
| Conductor size                                                                                                                                                                       | 6 x 18 AWG [Similar to 0.75 mm²]                         |
| Number of strands x O.D.                                                                                                                                                             | 19 x 0.0092 "                                            |
| Conductor colors                                                                                                                                                                     | GN, WH, BU, GY, YE, BN                                   |
| Electrical properties at +20 °C                                                                                                                                                      |                                                          |
| Rated voltage                                                                                                                                                                        | 300 V                                                    |
| Current                                                                                                                                                                              | 8 A                                                      |
| Mechanical and chemical properties                                                                                                                                                   |                                                          |
| Bending radius (static)                                                                                                                                                              | ≥ 5 x Ø                                                  |
| Bending radius (dynamic)                                                                                                                                                             | ≥ 15 x Ø                                                 |
| UL cold bend rating                                                                                                                                                                  | -40 °C                                                   |
| Ambient temperature range (static)                                                                                                                                                   | -40...+90 °C                                             |
| Ambient temperature range (dynamic)                                                                                                                                                  | 5...+90 °C                                               |
| Temperature range (installation)                                                                                                                                                     | -10...+90 °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.                                                                                                           |                                                          |

