

# RSM RKM 50-35M

## Actuator and Sensor Cable – Extension Cable



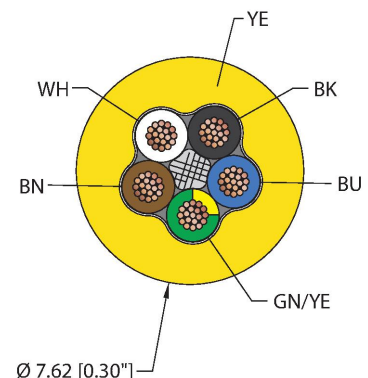
### Technische Daten

|                                 |                              |
|---------------------------------|------------------------------|
| Type                            | RSM RKM 50-35M               |
| ID                              | U-04024                      |
| Connector A                     | Male, 7/8"-16 UN, Straight   |
| Number of contacts              | 5                            |
| 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              | 5                            |
| 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

- UL US
- SP US
- CE
- UK CA
- RoHS compliant
- IP67/IP68  
IP69/IP69K  
DEGREE OF PROTECTION
- 7/8" Male, Straight, 5-pin
- 7/8" Female, Straight, 5-pin
- Instrumentation Tray Cable
- Yellow PVC jacket, 5X18 AWG
- Sunlight Resistant
- 40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4
- Flexlife® and C-Track Approved

### Cable cross section

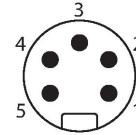


### Contact assignment

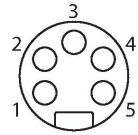
## Technische Daten

| Cable data                          |                                                                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable ID                            | RF50549                                                                                                                                                                              |
| Total number of conductors          | 5                                                                                                                                                                                    |
| Cable diameter                      | Ø 7.62 mm                                                                                                                                                                            |
| Length (L)                          | 35 m, (+50mm or 4% of length/-0.0, Whichever is greater)                                                                                                                             |
| Cable jacket                        | PVC, Yellow                                                                                                                                                                          |
| Conductor diameter                  | 0.076 "                                                                                                                                                                              |
| Conductor material                  | TC (tinned copper)                                                                                                                                                                   |
| Conductor insulation material       | PVC                                                                                                                                                                                  |
| Conductor size                      | 5 x 18 AWG [Similar to 0.75 mm²]                                                                                                                                                     |
| Number of strands x O.D.            | 19 x 0.0092 "                                                                                                                                                                        |
| Conductor colors                    | BK, BU, GN/YE, BN, WH                                                                                                                                                                |
| Electrical properties at +20 °C     |                                                                                                                                                                                      |
| Rated voltage                       | 600 V                                                                                                                                                                                |
| Current                             | 9 A                                                                                                                                                                                  |
| Mechanical and chemical properties  |                                                                                                                                                                                      |
| Bending radius (static)             | ≥ 5 x Ø                                                                                                                                                                              |
| Bending radius (dynamic)            | ≥ 10 x Ø                                                                                                                                                                             |
| UL cold bend rating                 | -40 °C                                                                                                                                                                               |
| Flex rating 20 x Ø                  | 10 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. |

Connector A



Connector B



## Circuit Diagram



## Technische Daten

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

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