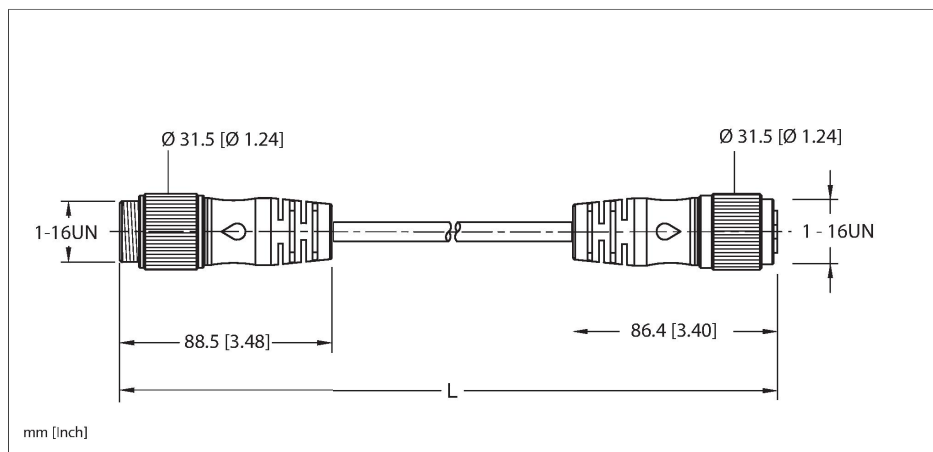


# RSM RKM 76-15M

## Actuator and Sensor Cable – Extension Cable

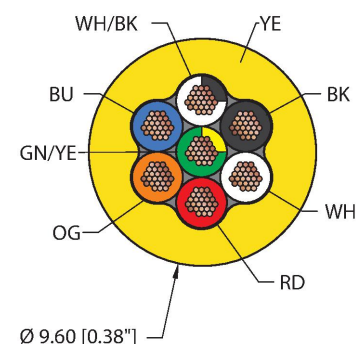


### Features



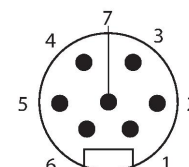
- 1" Male, Straight, 7-pin
- 1-1/8" Female, Straight, 7-pin
- Instrumentation Tray Cable
- Yellow PVC jacket, 7X16 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4

### Cable cross section

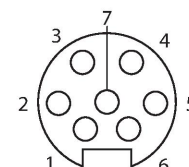


### Contact assignment

Connector A



Connector B



### Technische Daten

|                                 |                            |
|---------------------------------|----------------------------|
| Type                            | RSM RKM 76-15M             |
| ID                              | U2-00175                   |
| Connector A                     | Male, 1"-16 UN, Straight   |
| Number of contacts              | 7                          |
| Contacts                        | Brass, CuZn, Gold-plated   |
| Contact carriers                | Plastic, TPU, Yellow       |
| Connector body                  | Plastic, TPU, Yellow       |
| Coupling nut                    | Brass, CuZn, Nickel-plated |
| Mechanical life                 | > 100 Mating cycles        |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K    |
|                                 | NEMA: 1, 3, 4, 6P, 12      |
| Connector B                     | Female, 1"-16 UN, Straight |
| Number of contacts              | 7                          |
| 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                       |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K    |
|                                 | NEMA: 1, 3, 4, 6P, 12      |
| Cable data                      |                            |
| Cable ID                        | RF51031                    |
| Total number of conductors      | 7                          |
| Cable diameter                  | Ø 9.6 mm                   |

## Technische Daten

|                                                                                                                                                                                                                                                                               |                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Length (L)                                                                                                                                                                                                                                                                    | 15 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                                                                                                                                                                                                                                                                  | PVC, Yellow                                              |
| Conductor diameter                                                                                                                                                                                                                                                            | 0.088 "                                                  |
| Conductor material                                                                                                                                                                                                                                                            | TC (tinned copper)                                       |
| Conductor insulation material                                                                                                                                                                                                                                                 | PVC                                                      |
| Conductor size                                                                                                                                                                                                                                                                | 7 x 16 AWG [Similar to 1.50 mm²]                         |
| Number of strands x O.D.                                                                                                                                                                                                                                                      | 19 x 0.0117 "                                            |
| Conductor colors                                                                                                                                                                                                                                                              | WH/BK, BK, WH, RD, OG, BU, GN/YE                         |
| <b>Electrical properties at +20 °C</b>                                                                                                                                                                                                                                        |                                                          |
| Rated voltage                                                                                                                                                                                                                                                                 | 600 V                                                    |
| Current                                                                                                                                                                                                                                                                       | 8 A                                                      |
| <b>Mechanical and chemical properties</b>                                                                                                                                                                                                                                     |                                                          |
| 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                                            |
| <b>Approval</b>                                                                                                                                                                                                                                                               |                                                          |
| Approvals                                                                                                                                                                                                                                                                     | UL 2238<br>CE<br>RoHS                                    |
| <b>Note</b>                                                                                                                                                                                                                                                                   |                                                          |
| <p>- 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.</p> <p>- We reserve the right to make technical alterations without prior notice.</p> |                                                          |

|   |       |   |
|---|-------|---|
| 1 | WH/BK | 1 |
| 2 | BK    | 2 |
| 3 | WH    | 3 |
| 4 | RD    | 4 |
| 5 | OG    | 5 |
| 6 | BU    | 6 |
| 7 | GN/YE | 7 |