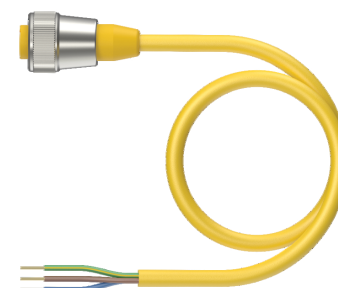
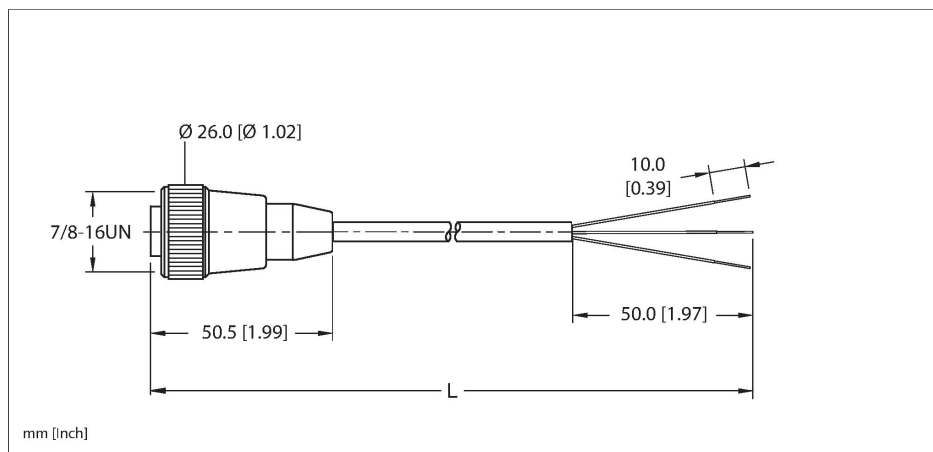


# RKM 30-0.5M

## Actuator and Sensor Cable – Connection Cable



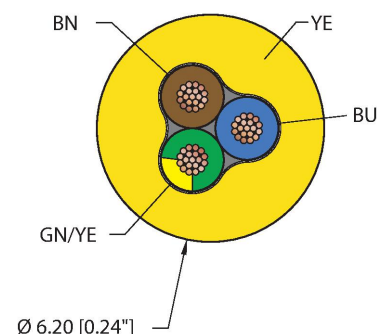
### Technische Daten

|                                 |                                  |
|---------------------------------|----------------------------------|
| Type                            | RKM 30-0.5M                      |
| ID                              | U2027-30                         |
| Connector A                     | 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            |
| Cable data                      |                                  |
| Cable ID                        | RF50880                          |
| Total number of conductors      | 3                                |
| Cable diameter                  | Ø 6.2 mm                         |
| Length (L)                      | 0.5 m                            |
| Cable jacket                    | PVC, Yellow                      |
| Conductor diameter              | 0.076 "                          |
| Conductor material              | TC (tinned copper)               |
| Conductor insulation material   | PVC                              |
| Conductor size                  | 3 x 18 AWG [Similar to 0.75 mm²] |
| Number of strands x O.D.        | 19 x 0.0092 "                    |

### Features

- UL US
- SP US
- CE
- UK CA
- RoHS compliant
- IP67/IP68  
IP69/IP69K  
DEGREE OF PROTECTION
- 7/8" Female, Straight, 3-pin
- Instrumentation Tray Cable
- Yellow PVC jacket, 3X18 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

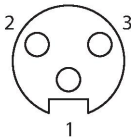


### Contact assignment

Technische Daten

|                                     |                                                                                                                                                                                                    |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor colors                    | BN, BU, GN/YE                                                                                                                                                                                      |
| 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,<br>50%RH, and a cycle speed of ≤0.5 cycles<br>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>RoHS                                                                                                                                                       |
| Note                                |                                                                                                                                                                                                    |
|                                     | - Flex ratings may be reduced if used in<br>extreme temperatures, exposure to cer-<br>tain chemicals, operating above the rated<br>cycle speed, or operating below the rated<br>cable bend radius. |
|                                     | - We reserve the right to make technical<br>alterations without prior notice.                                                                                                                      |

Connector A



Circuit Diagram

