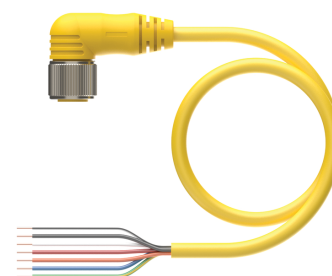
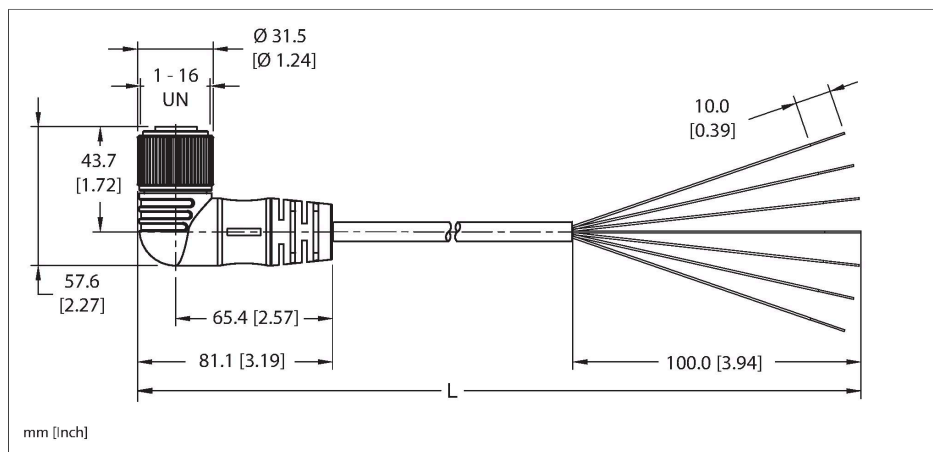


# WKM 76-xM

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

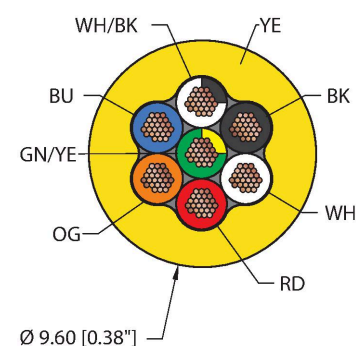
|                                 |                                  |
|---------------------------------|----------------------------------|
| Type                            | WKM 76-xM                        |
| ID                              | 777002209                        |
| Connector A                     | Female, 1"-16 UN, Right angle    |
| 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       |
| Connector seal                  | O-ring, Plastic, FKM/FPM         |
| Tightening torque               | 1 Nm                             |
| Mechanical life                 | > 100 Mating cycles              |
| Pollution degree                | 3                                |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K          |
|                                 | NEMA: 1, 3, 4, 6P, 12            |
| <b>Cable data</b>               |                                  |
| Cable ID                        | RF51031                          |
| Total number of conductors      | 7                                |
| Cable diameter                  | Ø 9.6 mm                         |
| 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 "                    |

### Features



- 1" Female, Right-angle, 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

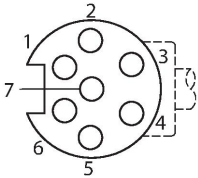


### Contact assignment

Technische Daten

|                                                                                                                                                                                      |                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Conductor colors                                                                                                                                                                     | WH/BK, BK, WH, RD, OG, BU, GN/YE   |
| Electrical properties at +20 °C                                                                                                                                                      |                                    |
| Rated voltage                                                                                                                                                                        | 600 VAC/DC                         |
| Current                                                                                                                                                                              | 8 A                                |
| Mechanical and chemical properties                                                                                                                                                   |                                    |
| 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                      |
| Approval                                                                                                                                                                             |                                    |
| Approvals                                                                                                                                                                            | CE<br>RoHS<br>UL Listed<br>UL 2238 |
| 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.                                                                                                           |                                    |

Connector A



Circuit Diagram

