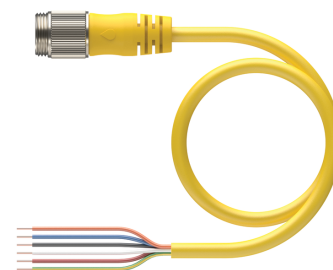
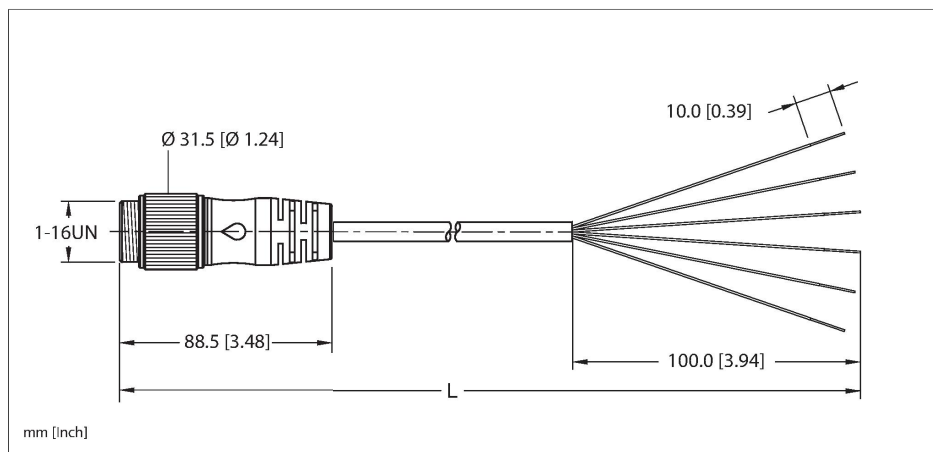


# RSM 6B6-xM/S90

## Actuator and Sensor Cable – Connection Cable



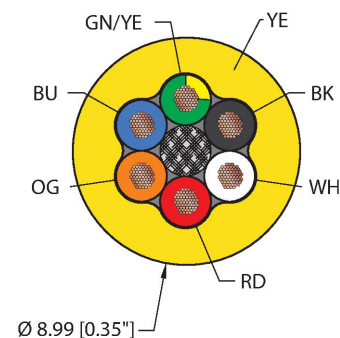
### Technische Daten

|                                 |                                  |
|---------------------------------|----------------------------------|
| Type                            | RSM 6B6-xM/S90                   |
| ID                              | 777006433                        |
| Special version                 | S90 = TPU cable jacket           |
| Connector A                     | Male, 1"-16 UN, Straight         |
| Number of contacts              | 6                                |
| 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            |
| <b>Cable data</b>               |                                  |
| Cable ID                        | RF51137                          |
| Total number of conductors      | 6                                |
| Cable diameter                  | Ø 8.99 mm                        |
| Cable jacket                    | TPU, Yellow                      |
| Conductor diameter              | 0.088 "                          |
| Conductor material              | TC (tinned copper)               |
| Conductor insulation material   | PVC                              |
| Conductor size                  | 6 x 16 AWG [Similar to 1.50 mm²] |
| Number of strands x O.D.        | 65 x 34 AWG                      |
| Conductor colors                | OG, BU, BK, WH, RD, GN/YE        |

### Features

- UL C E RoHS compliant IP67/IP68 IP69K DEGREE OF PROTECTION
- 1" Male, Straight, 6-pin
- General Purpose Cable
- Yellow TPU jacket, 6X16 AWG
- 40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1

### Cable cross section

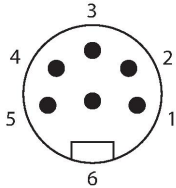


### Contact assignment

Technische Daten

| Electrical properties at +20 °C                                                                                                                                                      |                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Rated voltage                                                                                                                                                                        | 600 V                 |
| 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...+90 °C          |
| Ambient temperature range (dynamic)                                                                                                                                                  | 5...+90 °C            |
| Temperature range (installation)                                                                                                                                                     | -10...+90 °C          |
| Approval                                                                                                                                                                             |                       |
| Approvals                                                                                                                                                                            | UL 2238<br>CE<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.                                                                                                           |                       |

Connector A



Circuit Diagram

