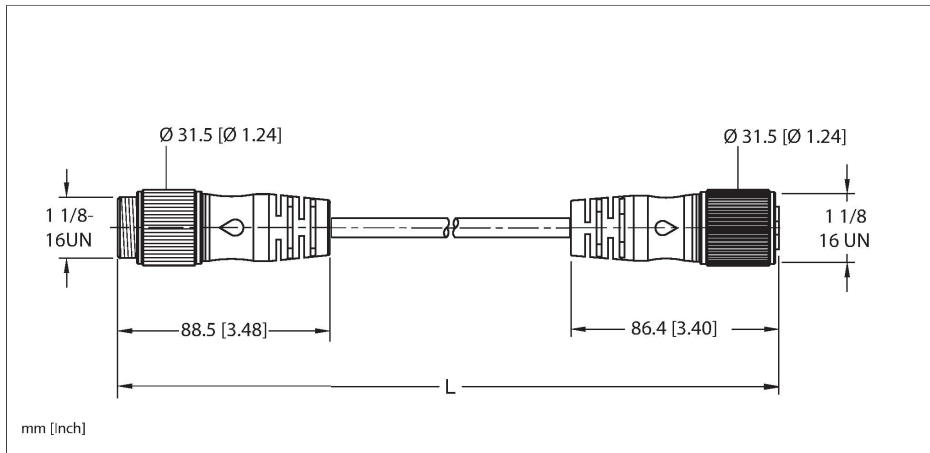


# RSM RKM 96-46M/S1587

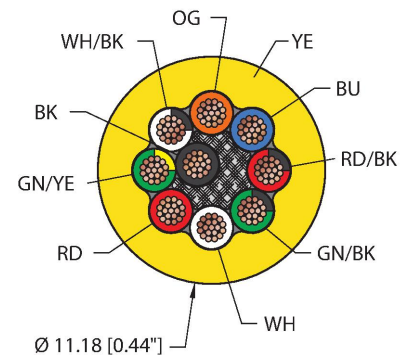
## Actuator and Sensor Cable – Extension Cable



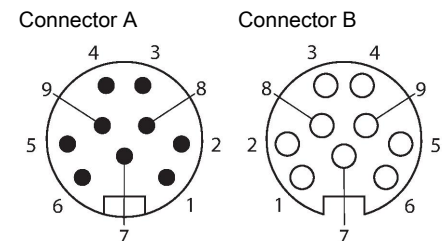
### Features

- 1-1/8" Male, Straight, 9-pin
- 1-1/8" Female, Straight, 9-pin
- Instrumentation Tray Cable
- Yellow TPE jacket, 9X16 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4

### Cable cross section



### Contact assignment



### Technische Daten

|                                 |                                |
|---------------------------------|--------------------------------|
| Type                            | RSM RKM 96-46M/S1587           |
| ID                              | U-56564                        |
| Special version                 | S1587 = Weldlife cable         |
| Connector A                     | Male, 1 1/8"-16 UN, Straight   |
| Number of contacts              | 9                              |
| Contacts                        | Brass, CuZn, Gold-plated       |
| Contact carriers                | Plastic, TPU, Yellow           |
| Connector body                  | Plastic, TPU, Yellow           |
| Coupling nut                    | Brass, CuZn, Nickel-plated     |
| Tightening torque               | 3 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, 1 1/8"-16 UN, Straight |
| Number of contacts              | 9                              |
| Contacts                        | Brass, CuZn, Gold-plated       |
| Contact carriers                | Plastic, TPU, Yellow           |
| Connector body                  | Plastic, TPU, Yellow           |
| Coupling nut                    | Brass, CuZn, Nickel-plated     |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K        |
|                                 | NEMA: 1, 3, 4, 6P, 12          |
| Cable data                      |                                |
| Total number of conductors      | 9                              |

## Technische Daten

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Cable diameter                | Ø 11.18 mm                                               |
| Length (L)                    | 46 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                  | TPE, Yellow                                              |
| Conductor diameter            | 0.088 "                                                  |
| Conductor material            | TC (tinned copper)                                       |
| Conductor insulation material | PVC                                                      |
| Conductor size                | 9 x 16 AWG [Similar to 1.50 mm <sup>2</sup> ]            |
| Number of strands x O.D.      | 19 x 0.0117 "                                            |
| Conductor colors              | OG, BU, RD/BK, GN/BK, WH, RD, GN/YE, WH/BK, BK           |

|   |       |   |
|---|-------|---|
| 1 | OG    | 1 |
| 2 | BU    | 2 |
| 3 | RD/BK | 3 |
| 4 | GN/BK | 4 |
| 5 | WH    | 5 |
| 6 | RD    | 6 |
| 7 | GN/YE | 7 |
| 8 | WH/BK | 8 |
| 9 | BK    | 9 |

| Electrical properties at +20 °C                                                                                                                                                                                                                                               |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Rated voltage                                                                                                                                                                                                                                                                 | 600 V                 |
| Current                                                                                                                                                                                                                                                                       | 7 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                                                                                                                                                                                                                                                                     | UL 2238<br>CE<br>RoHS |
| Note                                                                                                                                                                                                                                                                          |                       |
| <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> |                       |