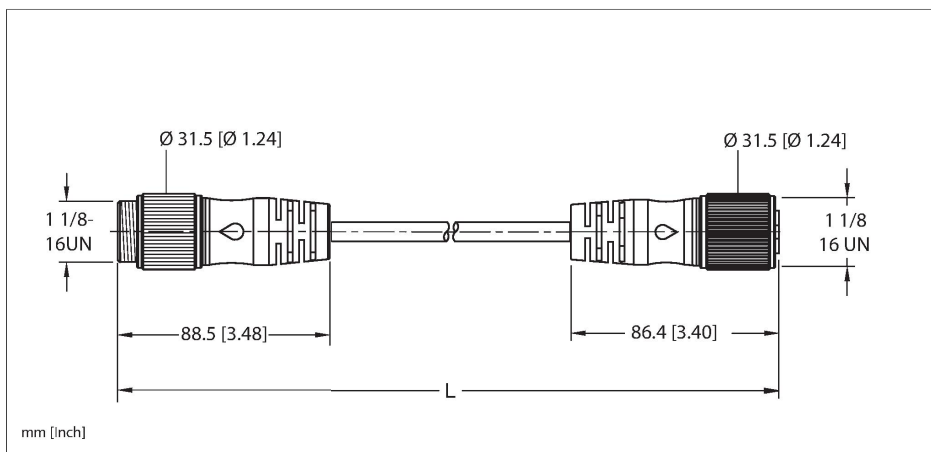


# RSM RKM 106-20M/S101

## Actuator and Sensor Cable – Extension Cable

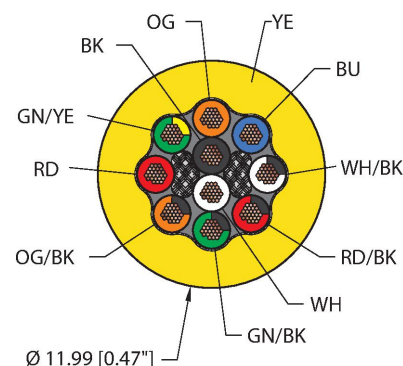


### Features

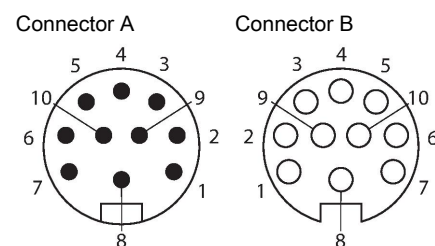


- 1-1/8" Male, Straight, 10-pin
- 1-1/8" Female, Straight, 10-pin
- flexlife20
- Yellow TPE jacket, 12X16 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

### Cable cross section



### Contact assignment



### Technische Daten

|                                 |                                |
|---------------------------------|--------------------------------|
| Type                            | RSM RKM 106-20M/S101           |
| ID                              | U2-00535                       |
| Connector A                     | Male, 1 1/8"-16 UN, Straight   |
| Number of contacts              | 10                             |
| 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              | 10                             |
| 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                      |                                |
| Cable ID                        | RF51148                        |
| Total number of conductors      | 12                             |

## Technische Daten

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Cable diameter                | Ø 13.72 mm                                               |
| Length (L)                    | 20 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                  | TPE, Yellow                                              |
| Conductor diameter            | 0.082 "                                                  |
| Conductor material            | TC (tinned copper)                                       |
| Conductor insulation material | TPC-ET                                                   |
| Conductor size                | 12 x 16 AWG [Similar to 1.50 mm²]                        |
| Number of strands x O.D.      | 65 x 34 AWG                                              |
| Conductor colors              | OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, RD, GN/YE, BK, WH    |

### 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          |
| Torsion rating           | Max. 20 million   |
| UL cold bend rating      | -40 °C            |
| Flex rating 10 x Ø       | 20 million cycles |

\*When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles 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>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.

## Circuit Diagram

