

# RSM RKM 126-13M/S3059

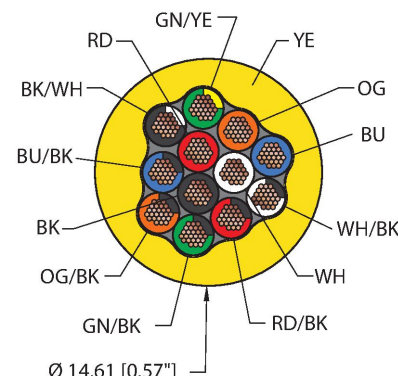
## Actuator and Sensor Cable – Extension Cable



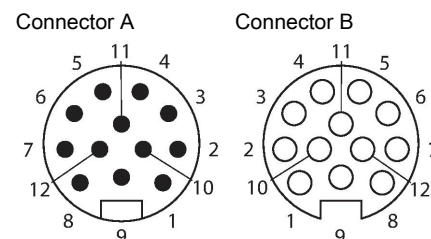
### Features

- 1-1/8" Male, Straight, 12-pin
- 1-1/8" Female, Straight, 12-pin
- Power Tray/Exposed Run/Direct Burial Cable
- Yellow TPE jacket, 12X16 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL 1061, CSA FT1, CSA FT4

### Cable cross section



### Contact assignment



### Technische Daten

|                                 |                                |
|---------------------------------|--------------------------------|
| Type                            | RSM RKM 126-13M/S3059          |
| ID                              | UX02809                        |
| Connector A                     | Male, 1 1/8"-16 UN, Straight   |
| Number of contacts              | 12                             |
| 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              | 12                             |
| 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                        | RF51714                        |
| Total number of conductors      | 12                             |

## Technische Daten

|                               |                                                                     |
|-------------------------------|---------------------------------------------------------------------|
| Cable diameter                | Ø 14.61 mm                                                          |
| Length (L)                    | 13 m, (+50mm or 4% of length/-0.0, Whichever is greater)            |
| Cable jacket                  | TPE, Yellow                                                         |
| Conductor diameter            | 0.105 "                                                             |
| Conductor material            | BC (bare copper)                                                    |
| Conductor insulation material | PVC/Nylon (Nylon overcoat)                                          |
| 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, BU/BK, BK/WH, GN/YE, RD, WH, BK |

### 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...+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.

## Circuit Diagram

|    |       |    |
|----|-------|----|
| 1  | OG    | 1  |
| 2  | BU    | 2  |
| 3  | WH/BK | 3  |
| 4  | RD/BK | 4  |
| 5  | GN/BK | 5  |
| 6  | OG/BK | 6  |
| 7  | BU/BK | 7  |
| 8  | BK/WH | 8  |
| 9  | GN/YE | 9  |
| 10 | RD    | 10 |
| 11 | WH    | 11 |
| 12 | BK    | 12 |