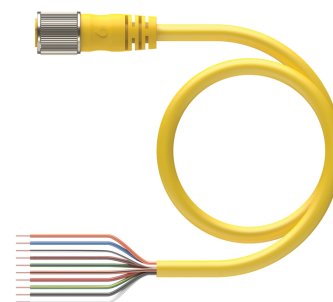
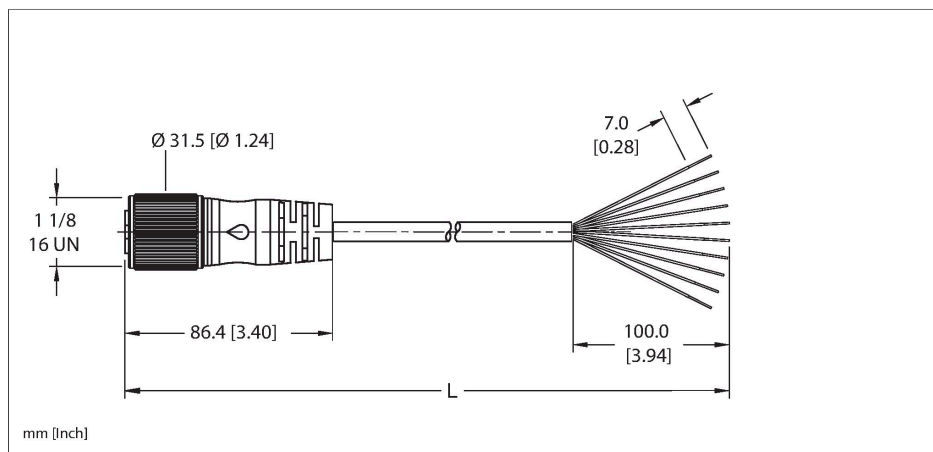


# RKM 106-5M/S3059

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

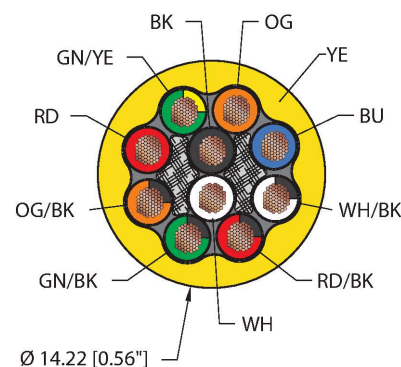
|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | RKM 106-5M/S3059                                        |
| ID                              | U-87910                                                 |
| Connector A                     | 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                              |
| Mechanical life                 | > 100 Mating cycles                                     |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K                                 |
|                                 | NEMA: 1, 3, 4, 6P, 12                                   |
| Cable data                      |                                                         |
| Cable ID                        | RF51751                                                 |
| Total number of conductors      | 10                                                      |
| Cable diameter                  | Ø 14.22 mm                                              |
| Length (L)                      | 5 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                  | 10 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   |

### Features



- 1-1/8" Female, Straight, 10-pin
- Power Tray/Exposed Run/Direct Burial Cable
- Yellow TPE jacket, 10X16 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL 1061, CSA FT1, CSA FT4

### Cable cross section

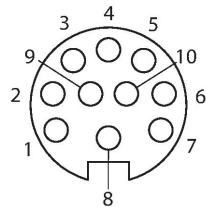


### Contact assignment

Technische Daten

| 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.                                                                                                           |                       |

Connector A



Circuit Diagram

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