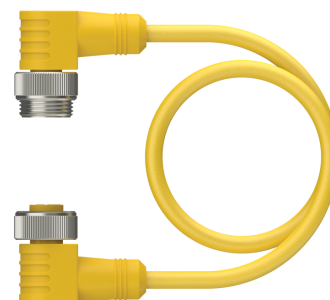
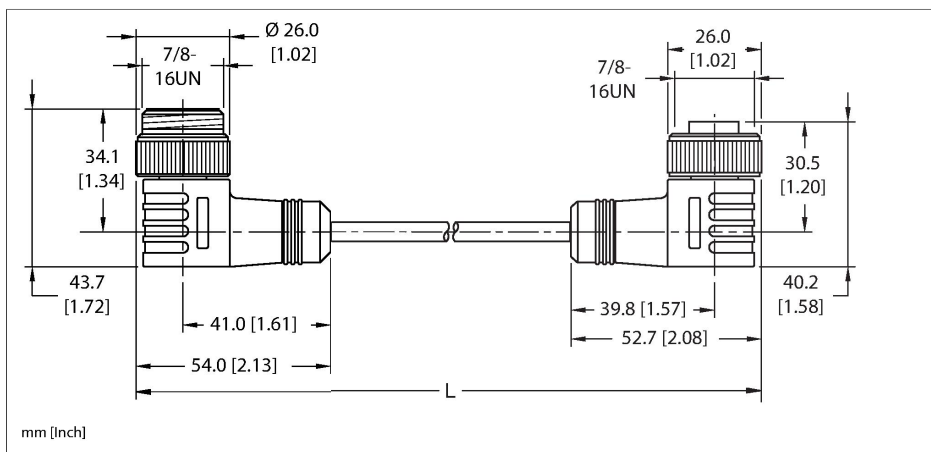


# WSM WKM 56-6M/S3059

## Actuator and Sensor Cable – Extension Cable



### Technische Daten

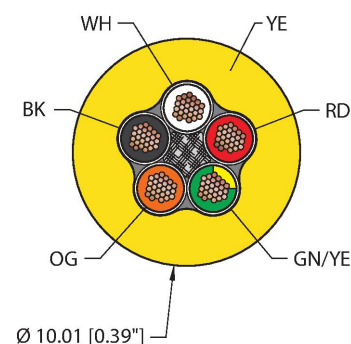
|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Type                            | WSM WKM 56-6M/S3059                                      |
| ID                              | U-57279                                                  |
| Special version                 | S3059 = Weldlife Cable - TC-ER and C-SA FT4 Flame Rating |
| Connector A                     | Male, 7/8"-16 UN, Right angle                            |
| Number of contacts              | 5                                                        |
| Contacts                        | Brass, CuZn, Gold-plated                                 |
| Contact carriers                | Plastic, TPU, Yellow                                     |
| Connector body                  | Plastic, TPU, Yellow                                     |
| Coupling nut                    | Brass, CuZn, Nickel-plated                               |
| Tightening torque               | 2 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, 7/8"-16 UN, Right angle                          |
| Number of contacts              | 5                                                        |
| Contacts                        | Brass, CuZn, Gold-plated                                 |
| Contact carriers                | Plastic, Yellow                                          |
| Connector body                  | Plastic, TPU, Yellow                                     |
| Coupling nut                    | Brass, CuZn, Nickel-plated                               |
| Tightening torque               | 2 Nm                                                     |
| Mechanical life                 | > 100 Mating cycles                                      |
| Pollution degree                | 3                                                        |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K                                  |

### Features



- 7/8" Male, Right-angle, 5-pin
- 7/8", Female, Right-angle, 5-pin
- Power Tray/Exposed Run/Direct Burial Cable
- Yellow TPE jacket, 5X16 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL 1061, CSA FT1, CSA FT4

### Cable cross section



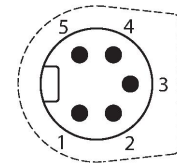
### Contact assignment

## Technische Daten

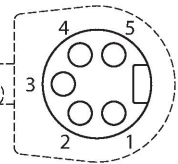
NEMA: 1, 3, 4, 6P, 12

| Cable data                                                                                                                                                                                                                                                                    |                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Cable ID                                                                                                                                                                                                                                                                      | RF51715                                                 |
| Total number of conductors                                                                                                                                                                                                                                                    | 5                                                       |
| Cable diameter                                                                                                                                                                                                                                                                | Ø 10.01 mm                                              |
| Length (L)                                                                                                                                                                                                                                                                    | 6 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                                                                                                                                                                                                                                                                | 5 x 16 AWG [Similar to 1.50 mm²]                        |
| Number of strands x O.D.                                                                                                                                                                                                                                                      | 65 x 34 AWG                                             |
| Conductor colors                                                                                                                                                                                                                                                              | WH, RD, GN/YE, OG, BK                                   |
| Electrical properties at +20 °C                                                                                                                                                                                                                                               |                                                         |
| Rated voltage                                                                                                                                                                                                                                                                 | 600 V                                                   |
| Current                                                                                                                                                                                                                                                                       | 10 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>CSA C22.2 No. 182.3<br>CE<br>UKCA<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> |                                                         |

Connector A



Connector B



## Circuit Diagram

