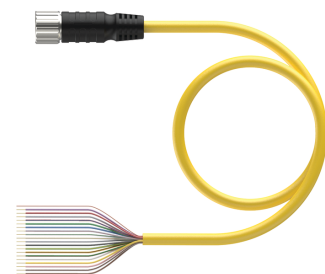
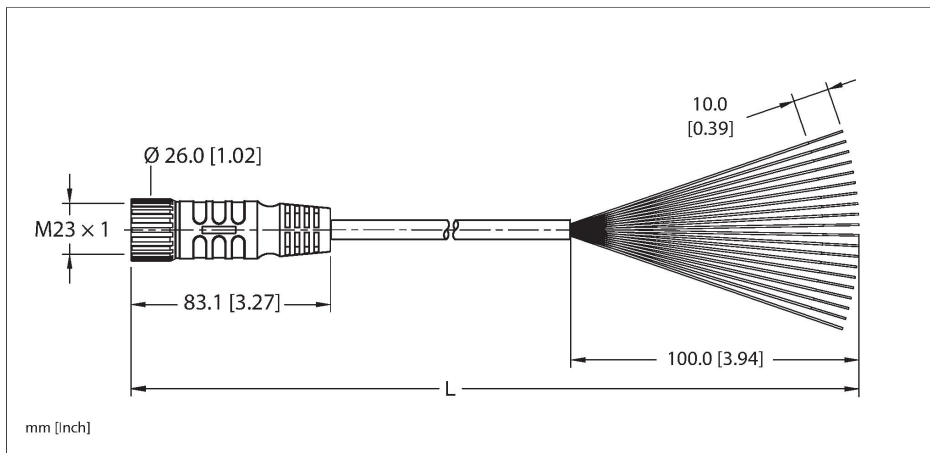


# CKM 19-19-25

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

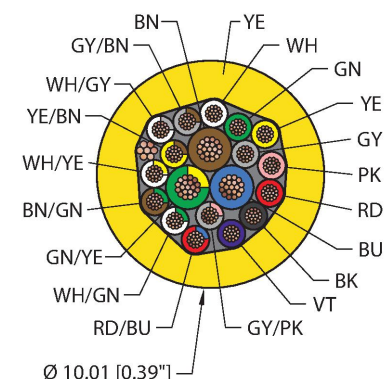
|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| Type                            | CKM 19-19-25                                        |
| ID                              | U4705-97                                            |
| Connector A                     | Female, M23 × 1, Straight                           |
| Number of contacts              | 19                                                  |
| Contacts                        | Brass, CuZn, Gold-plated                            |
| Contact carriers                | Plastic, PA, Gray                                   |
| Connector body                  | Plastic, TPU, Black                                 |
| Coupling nut                    | Brass, CuZn, Nickel-plated                          |
| Mechanical life                 | > 100 Mating cycles                                 |
| Protection class (When coupled) | IP67                                                |
|                                 | NEMA: 1, 3, 4                                       |
| Cable data                      |                                                     |
| Cable ID                        | RF50620                                             |
| Total number of conductors      | 19                                                  |
| Cable diameter                  | Ø 10.01 mm                                          |
| Length (L)                      | 25 m                                                |
| Cable jacket                    | PVC, Yellow                                         |
| Shielding                       | Aluminum/polyester (IN), 20 AWG, TC (Tinned Copper) |
| Conductor diameter              | 0.076 "                                             |
| Conductor material              | TC (tinned copper)                                  |
| Conductor insulation material   | PVC                                                 |
| Conductor size                  | 3 x 18 AWG [Similar to 0.75 mm²]                    |
| Number of strands x O.D.        | 19 x 0.0092 "                                       |
| Conductor diameter              | 0.048                                               |

### Features



- M23, Female, Straight, 19-pin
- Instrumentation Tray Cable
- Yellow PVC jacket, shielded, 3X18+16X22 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4

### Cable cross section



### Contact assignment

Technische Daten

|                               |                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|
| Conductor insulation material | SR-PVC                                                                                                        |
| Conductor size                | 16x 22 AWG [Similar to 0.34 mm²]                                                                              |
| Number of strands x O.D. (2)  | 19 x0.0058 mm                                                                                                 |
| Conductor colors              | VT, RD, GY, RD/BU, BU, GN, BN, WH/<br>GN, WH/YE, WH/GY, BK, GN/YE, YE/<br>BN, BN/GN, WH, YE, PK, GY/BN, GY/PK |

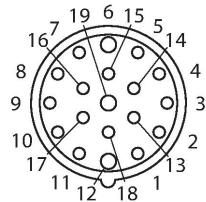
|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| Electrical properties at +20 °C |                                                   |
| Rated voltage                   | 600 V                                             |
| Current                         | 9 A (Contacts 6,12,19) / 2 A (All other contacts) |

|                                     |               |
|-------------------------------------|---------------|
| Mechanical and chemical properties  |               |
| Bending radius (static)             | ≥ 5 x Ø       |
| Bending radius (dynamic)            | ≥ 15 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 Listed<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

