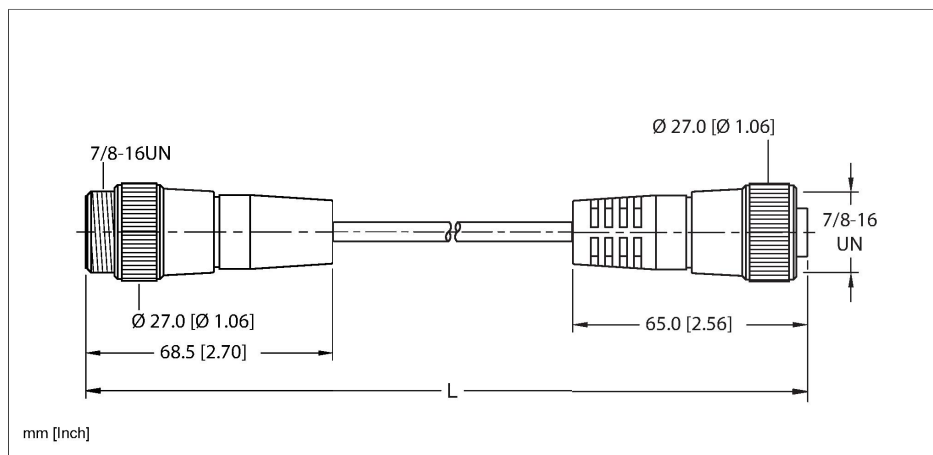


# RSM RKM 48A-15M

## Actuator and Sensor Cable – Extension Cable

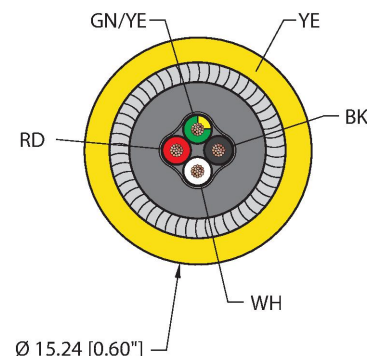


### Features



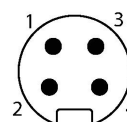
- 7/8" Male, Straight, 4-pin
- 7/8" Female, straight, 4-pin
- Interlocked Aluminum Armor
- Armorfast™ Instrumentation Cable
- Yellow PVC jacket, cable armor: IAA, 4X18 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, CSA FT1, CSA FT4, IEC 60332-3-22

### Cable cross section

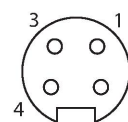


### Contact assignment

Connector A



Connector B



### Technische Daten

|                                 |                              |
|---------------------------------|------------------------------|
| Type                            | RSM RKM 48A-15M              |
| ID                              | U-85501                      |
| Connector A                     | Male, 7/8"-16 UN, Straight   |
| Number of contacts              | 4                            |
| 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, Straight |
| Number of contacts              | 4                            |
| 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        |

## Technische Daten

| Cable data                          |                                                                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable ID                            | RF51041                                                                                                                                                                              |
| Total number of conductors          | 4                                                                                                                                                                                    |
| Cable diameter                      | Ø 15.24 mm                                                                                                                                                                           |
| Length (L)                          | 15 m, (+50mm or 4% of length/-0.0, Whichever is greater)                                                                                                                             |
| Cable jacket                        | PVC, Yellow                                                                                                                                                                          |
| Aarmor                              | IAA                                                                                                                                                                                  |
| Conductor diameter                  | 0.086 "                                                                                                                                                                              |
| Conductor material                  | TC (tinned copper)                                                                                                                                                                   |
| Conductor insulation material       | PVC/Nylon (Nylon overcoat)                                                                                                                                                           |
| Conductor size                      | 4 x 18 AWG [Similar to 0.75 mm²]                                                                                                                                                     |
| Number of strands x O.D.            | 19 x 0.0092 "                                                                                                                                                                        |
| Conductor colors                    | BK, WH, RD, GN/YE                                                                                                                                                                    |
| Electrical properties at +20 °C     |                                                                                                                                                                                      |
| Rated voltage                       | 300 V                                                                                                                                                                                |
| Current                             | 9 A                                                                                                                                                                                  |
| Mechanical and chemical properties  |                                                                                                                                                                                      |
| Bending radius (static)             | ≥ 14 x Ø                                                                                                                                                                             |
| UL cold bend rating                 | -40 °C                                                                                                                                                                               |
|                                     | (Armor diameter)                                                                                                                                                                     |
| Ambient temperature range (static)  | -40...+105 °C                                                                                                                                                                        |
| Ambient temperature range (dynamic) | 5...+105 °C                                                                                                                                                                          |
| Temperature range (installation)    | -10...+105 °C                                                                                                                                                                        |
| Approval                            |                                                                                                                                                                                      |
| Approvals                           | CSA                                                                                                                                                                                  |
| 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

