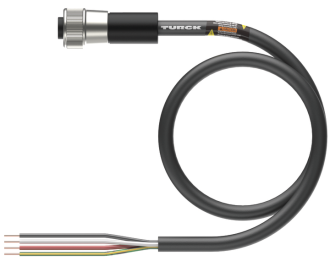
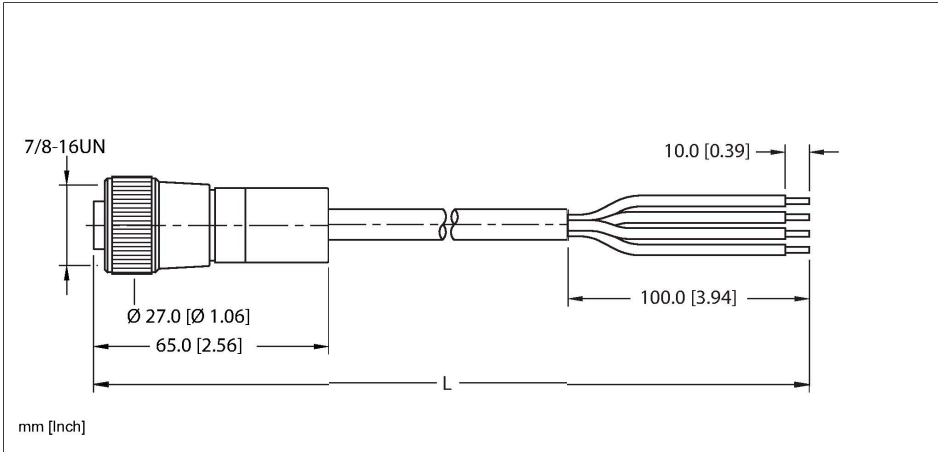


# RKM 44P-2M

## Power Cable – Connection Cable



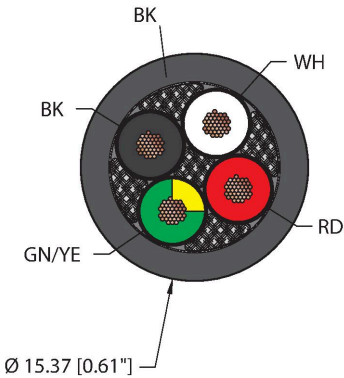
### Technical data

|                                 |                                  |
|---------------------------------|----------------------------------|
| Type                            | RKM 44P-2M                       |
| ID                              | U-97254                          |
| Connector A                     | Female, 7/8"-16 UN, Straight     |
| Number of pins                  | 4                                |
| Contacts                        | Brass, CuZn, Gold-plated         |
| Contact carriers                | Plastic, PVC, Black              |
| Connector body                  | Plastic, PVC, Black              |
| Coupling nut/screw              | Brass, CuZn, Nickel-plated       |
| Tightening torque               | 2 Nm                             |
| Mechanical lifespan             | > 100 Mating cycles              |
| Pollution degree                | 3                                |
| Protection class                | IP67, IP68, IP69, IP69K          |
|                                 | NEMA: 1, 3, 4, 6P, 12            |
| Cable                           |                                  |
| Cable ID                        | RF51672                          |
| Number of cores                 | 4                                |
| Cable diameter                  | Ø 15.37 mm                       |
| Cable length                    | 2 m                              |
| Cable jacket                    | TPE, Black                       |
| Conductor diameter              | 0.177 "                          |
| Conductor material              | BC (bare copper)                 |
| Core insulation                 | PVC/nylon                        |
| Core cross-section              | 4 x 14 AWG [Similar to 2.50 mm²] |
| Arrangement of strands          | 41 x 30 AWG                      |
| Core colors                     | BK, WH, RD, GN/YE                |
| Electrical properties at +20 °C |                                  |
| Rated voltage                   | 600 V                            |

### Features

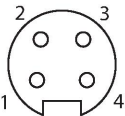
- UL US CE UK CA RoHS compliant IP67/IP68 IP69/IP69K DEGREE OF PROTECTION
- 7/8" female connector, straight, 4-pin
- Power Tray/Exposed Run/Direct Burial Cable
- TPE jacket, black, 4 x 14 AWG
- UV resistant
- 40 °C cold bending strength
- Oil resistant
- Fire classes: UL 1685 FT4, UL 1100, CSA FT1, CSA FT4

### Cable Cross-Section



### Contact assignment

Connector A



Technical data

|                                                                                                                                                                                                       |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Current                                                                                                                                                                                               | 18 A                          |
| Mechanical and chemical properties                                                                                                                                                                    |                               |
| Bending radius (stationary installation)                                                                                                                                                              | ≥ 5 x Ø                       |
| Bending radius (flexible use)                                                                                                                                                                         | ≥ 10 x Ø                      |
| Cold flexural strength                                                                                                                                                                                | -40 °C                        |
| Ambient temperature (fixed)                                                                                                                                                                           | -40...+90 °C                  |
| Ambient temperature (mobile)                                                                                                                                                                          | 5...+90 °C                    |
| Ambient temperature during installation                                                                                                                                                               | -10...+90 °C                  |
| Approval                                                                                                                                                                                              |                               |
| Approvals                                                                                                                                                                                             | UL 2237<br>CE<br>UKCA<br>RoHS |
| Note                                                                                                                                                                                                  |                               |
| CAUTION: RISK OF ELECTRIC SHOCK!<br>DO NOT DISCONNECT UNDER LOAD!                                                                                                                                     |                               |
| Using the cable in extreme temperatures, when it is exposed to certain chemicals and above the nominal cycle speed or below the nominal bending radius of the cable can reduce the flexural strength. |                               |
| - We reserve the right to make technical modifications without prior notice.                                                                                                                          |                               |

Circuit Diagram

