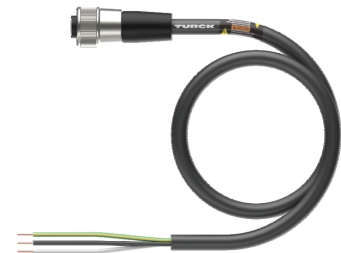
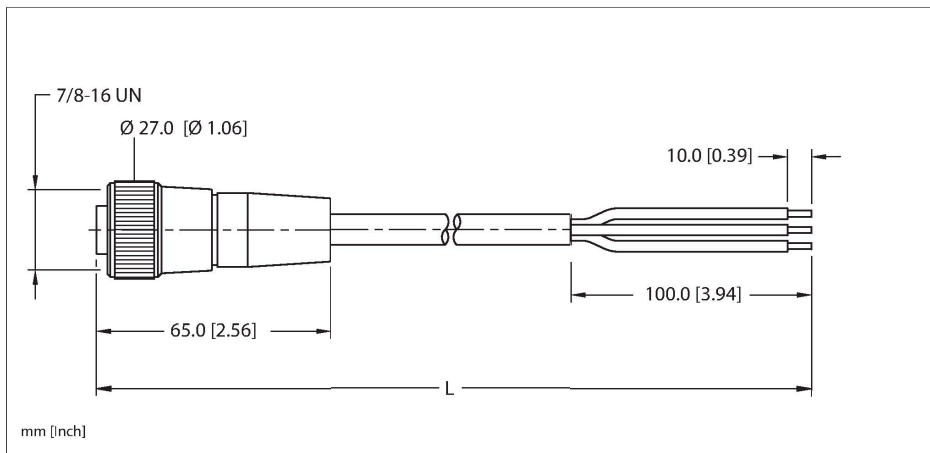


# RKM 34-6M

## Power Cordset – Connection Cable



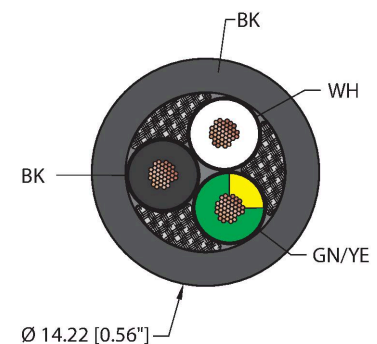
### Technische Daten

|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | RKM 34-6M                                               |
| ID                              | U-32464                                                 |
| Connector A                     | Female, 7/8"-16 UN, Straight                            |
| Number of contacts              | 3                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                |
| Contact carriers                | Plastic, PVC, Black                                     |
| Connector body                  | Plastic, PVC, Black                                     |
| 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                                   |
| Cable data                      |                                                         |
| Cable ID                        | RF51671                                                 |
| Total number of conductors      | 3                                                       |
| Cable diameter                  | Ø 14.22 mm                                              |
| Length (L)                      | 6 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                    | TPE, Black                                              |
| Conductor diameter              | 0.177 "                                                 |
| Conductor material              | BC (bare copper)                                        |
| Conductor insulation material   | PVC/Nylon (Nylon overcoat)                              |
| Conductor size                  | 3 x 14 AWG [Similar to 2.50 mm²]                        |
| Number of strands x O.D.        | 41 x 30 AWG                                             |

### Features

- UL US CE UK CA RoHS compliant IP67/IP68 IP69/IP69K DEGREE OF PROTECTION
- 7/8" Female, Straight, 3-pin
- Power Tray/Exposed Run/Direct Burial Cable
- Black TPE jacket, 3X14 AWG
- Sunlight Resistant
- 40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL 1100, CSA FT1, CSA FT4

### Cable cross section

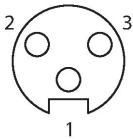


### Contact assignment

Technische Daten

|                                                                                                                                                                                      |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Conductor colors                                                                                                                                                                     | GNYE, BK, WH                  |
| Electrical properties at +20 °C                                                                                                                                                      |                               |
| Rated voltage                                                                                                                                                                        | 600 V                         |
| Current                                                                                                                                                                              | 21 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 2237<br>CE<br>UKCA<br>RoHS |
| Note                                                                                                                                                                                 |                               |
| - CAUTION: RISK OF ELECTRICAL SHOCK. DO NOT DISCONNECT UNDER LOAD.                                                                                                                   |                               |
| - 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

