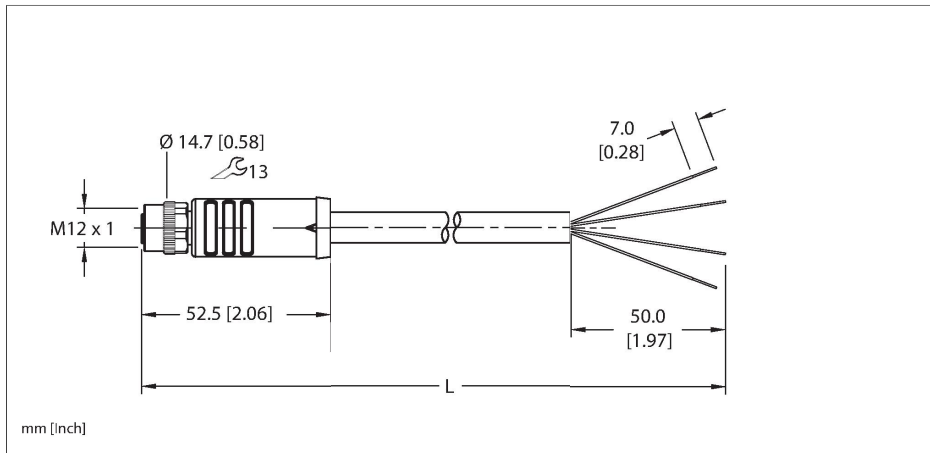


# RKP46PT-1

## Power Cordset – Connection Cable



### Technical data

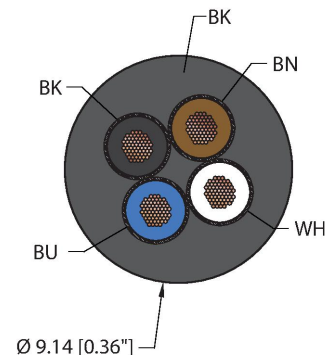
|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | RKP46PT-1                                               |
| ID                              | UX17428                                                 |
| Connector A                     | Female, M12 × 1, Straight, T-code                       |
| Number of contacts              | 4                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                |
| Contact carriers                | Plastic, PA 66/6, Black                                 |
| Connector body                  | Plastic, PVC, Black                                     |
| Coupling nut                    | Brass, CuZn, Nickel-plated                              |
| Connector seal                  | O-ring, Plastic, FKM/FPM                                |
| Tightening torque               | 0.8 Nm                                                  |
| Mechanical life                 | > 100 Mating cycles                                     |
| Pollution degree                | 2                                                       |
| Protection class (When coupled) | IP67, IP68                                              |
|                                 | NEMA: 1, 3, 4, 6P                                       |
| <b>Cable data</b>               |                                                         |
| Total number of conductors      | 4                                                       |
| Cable diameter                  | Ø 9.14 mm                                               |
| Length (L)                      | 1 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Cable jacket                    | PVC, Black                                              |
| Conductor diameter              | 0.105 "                                                 |
| Conductor material              | BC (bare copper)                                        |
| Conductor insulation material   | PVC/Nylon (Nylon overcoat)                              |
| Conductor size                  | 4 x 16 AWG [Similar to 1.50 mm²]                        |
| Number of strands x O.D.        | 65 x 34 AWG                                             |

### Features



- M12 Power, Female, Straight, 4-pin, T-code, IP67, IP68
- Power Tray/Exposed Run/Direct Burial Cable
- Black PVC jacket, 4X16 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

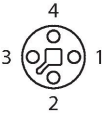


### Contact assignment

Technical data

|                                                                                                                                                                                      |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Conductor colors                                                                                                                                                                     | BN, WH, BU, BK |
| Electrical properties at +20 °C                                                                                                                                                      |                |
| Rated voltage                                                                                                                                                                        | 63 VDC         |
| Current                                                                                                                                                                              | 12 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                                                                                                                                                                             |                |
| Additional Approvals                                                                                                                                                                 | IEC 60332-3-22 |
| Approvals                                                                                                                                                                            | 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



Accessories

M12-CORDSETS-MOUNTING-CLIP-(10/BAG)

100016882

10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.