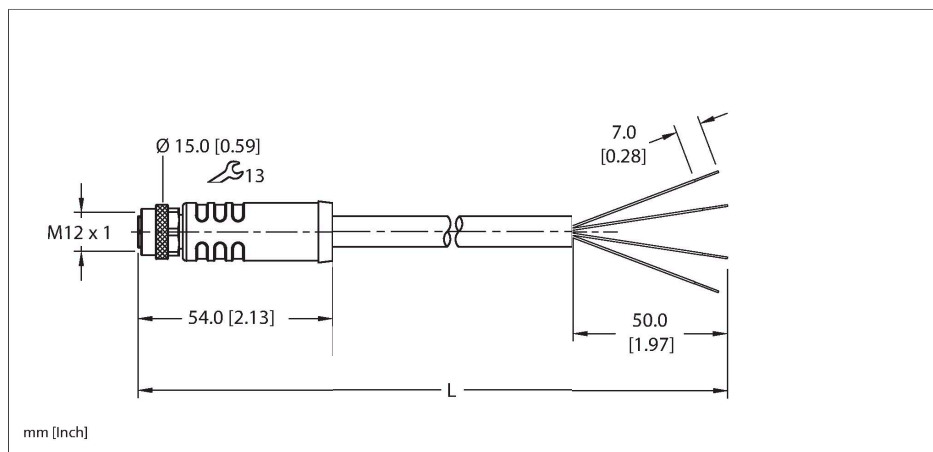


# RKP46PS-x

## Power Cordset – Connection Cable



### Technische Daten

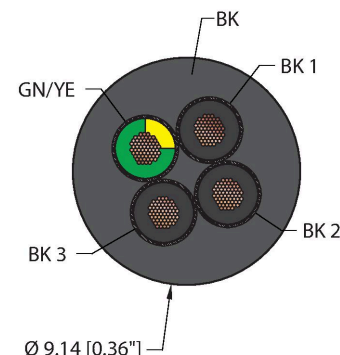
|                                 |                                   |
|---------------------------------|-----------------------------------|
| Type                            | RKP46PS-x                         |
| ID                              | 777036204                         |
| Connector A                     | Female, M12 × 1, Straight, S-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                         |
| 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                       |
| Conductor colors                | BK1, BK2, BK3, GN/YE              |

### Features



- M12 Power, Female, Straight, 4-pin, S-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

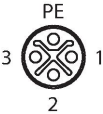


### Contact assignment

Technische Daten

| Electrical properties at +20 °C                                                                                                                                                      |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Rated voltage                                                                                                                                                                        | 600 VAC        |
| 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

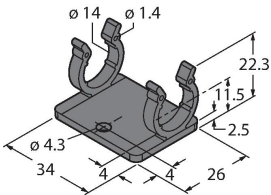


Circuit Diagram



Montagezubehör

|                                     |           |
|-------------------------------------|-----------|
| 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.