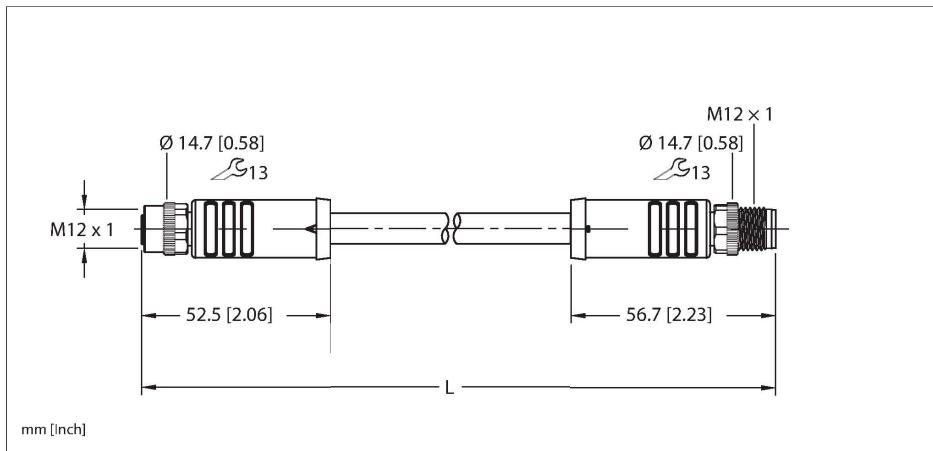


RKP46PS-10-RSP46PS

Power Cordset – Extension Cable



Technical data

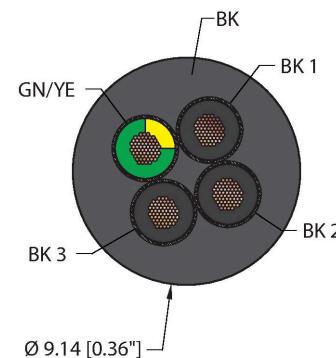
| | |
|---------------------------------|-----------------------------------|
| Type | RKP46PS-10-RSP46PS |
| ID | 100027630 |
| Connector A | Female, M12 × 1, Straight, S-code |
| Number of contacts | 4 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, PA 66/6, Black |
| Connector 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 |
| Connector B | Male, 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 |
| Tightening torque | 0.8 Nm |
| Mechanical life | > 100 Mating cycles |
| Pollution degree | 2 |
| Protection class (When coupled) | IP67, IP68 |

Features



- M12 Power, Female, Straight, 4-pin, S-code, IP67, IP68
- M12 Power, Male, 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

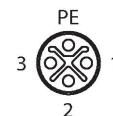


Contact assignment

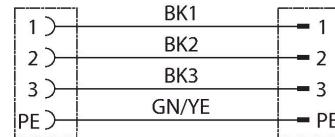
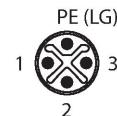
Technical data

| NEMA: 1, 3, 4, 6P | |
|--|---|
| Cable data | |
| Total number of conductors | 4 |
| Cable diameter | Ø 9.14 mm |
| Length (L) | 10 m |
| 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 mm ²] |
| Number of strands x O.D. | 65 x 34 AWG |
| Conductor colors | BK1, BK2, BK3, GN/YE |
| 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 | |
| <ul style="list-style-type: none"> - CAUTION: RISK OF ELECTRICAL SHOCK. DO NOT DISCONNECT UNDER LOAD. | |
| <ul style="list-style-type: none"> - 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. | |
| <ul style="list-style-type: none"> - We reserve the right to make technical alterations without prior notice. | |

Connector A



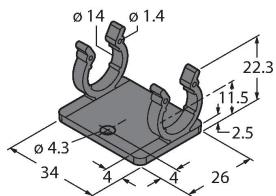
Connector B



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.