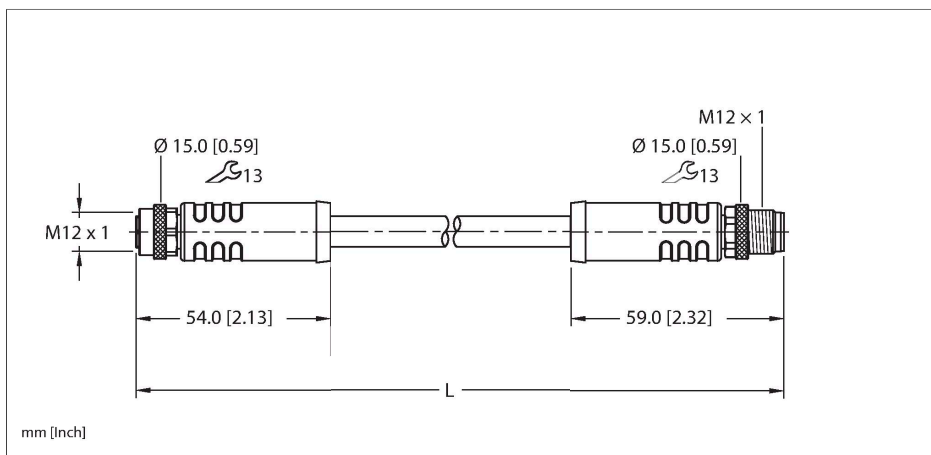


RKP46PL-2-RSP46PL

Power Cordset – Extension Cable



Technical data

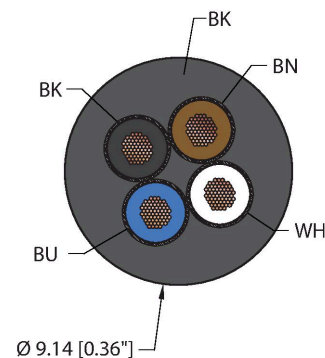
| | |
|---------------------------------|-----------------------------------|
| Type | RKP46PL-2-RSP46PL |
| ID | UX11803 |
| Connector A | Female, M12 × 1, Straight, L-code |
| Number of contacts | 4 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, PBT, Black |
| Connector body | Plastic, TPU, Black |
| Coupling nut | Brass, CuZn, Nickel-plated |
| Connector seal | O-ring, Plastic, Silicone |
| 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, L-code |
| Design specification | Acc. to IEC 61076-2-111 |
| Number of contacts | 4 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, PBT, Black |
| Connector body | Plastic, TPU, Black |
| Coupling nut | Brass, CuZn, Nickel-plated |
| Tightening torque | 0.8 Nm |
| Mechanical life | > 100 Mating cycles |
| Pollution degree | 2 |

Features



- M12 Power, Female, Straight, 4-pin, L-code
- M12 Power, Male, Straight, 4-pin, L-code
- 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

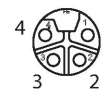


Contact assignment

Technical data

| | |
|---|--|
| Protection class (When coupled) | IP67, IP68 |
| | NEMA: 1, 3, 4, 6P |
| Cable data | |
| Total number of conductors | 4 |
| Cable diameter | Ø 9.14 mm |
| Length (L) | 2 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 mm ²] |
| Number of strands x O.D. | 65 x 34 AWG |
| 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 | |
| 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



Connector B



Circuit Diagram

