

RoHS
Compliant



Application

Pro-Power flexible PUR sheathed multicore cable is ideal for tooling machinery, production lines, and flexible applications with free movement and low tensile load. Suitable for dry, ambient and wet environments. They are resistant to oil, many chemicals, abrasion, and mechanical stress. These cables can be used in outdoor applications in fixed installations.

Characteristics

| | |
|------------------------|--|
| Voltage Rating | : 300/500V |
| Test Voltage | : 4kV |
| Temperature Rating | : Fixed: -40°C to +80°C Flexed: -5°C to +70°C |
| Minimum Bending Radius | : Fixed: 4 × overall diameter Flexed: 10 × overall diameter |

Cable Standards

VDE 0295, VDE 0293-334, VDE 0293-308, VDE 0285-525-1, VDE 0285-525-2-51



UK Laboratory Tested

This product is subject to the Quality Assurance protocols of The Cable Lab®, a UKAS accredited ISO 17025 cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



Regulatory Compliance

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



Construction

Conductor

Class 5 flexible plain copper wires

Insulation

PVC (Polyvinyl Chloride)

Flexible Polyurethane Multicore Cable

pro-POWER

Separator

Non-woven polyester tape

Sheath

PUR (Polyurethane)

Core Identification

Black with white number + Green/Yellow

Sheath Colour

Grey

Dimensions

| Part Number | No. of Cores | Nominal Cross Sectional Area mm ² | Nominal Thickness of Insulation mm | Nominal Thickness of Sheath mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|-------------|--------------|--|------------------------------------|--------------------------------|-----------------------------|----------------------|
| PP001512 | 3 | 0.75 | 0.4 | 0.8 | 5.8 | 53 |
| PP001513 | 3 | 1 | 0.4 | 0.8 | 6.2 | 62 |
| PP001514 | 3 | 1.5 | 0.4 | 0.8 | 6.9 | 81 |
| PP001515 | 3 | 2.5 | 0.5 | 0.9 | 8.4 | 125 |
| PP001516 | 4 | 0.75 | 0.4 | 0.8 | 6.3 | 65 |
| PP001517 | 4 | 1 | 0.4 | 0.8 | 6.8 | 78 |
| PP001518 | 4 | 1.5 | 0.4 | 0.9 | 7.7 | 106 |
| PP001519 | 4 | 2.5 | 0.5 | 1 | 9.4 | 164 |
| PP001520 | 5 | 0.75 | 0.4 | 0.8 | 6.8 | 78 |
| PP001521 | 5 | 1 | 0.4 | 0.9 | 7.6 | 99 |
| PP001522 | 5 | 1.5 | 0.4 | 0.9 | 8.4 | 129 |
| PP001523 | 5 | 2.5 | 0.5 | 1.1 | 10.4 | 206 |
| PP001524 | 7 | 0.75 | 0.4 | 0.9 | 7.6 | 104 |
| PP001525 | 7 | 1.5 | 0.4 | 1 | 9.3 | 171 |
| PP001526 | 12 | 0.75 | 0.4 | 1.1 | 10.2 | 177 |
| PP001527 | 12 | 1.5 | 0.4 | 1.2 | 12.5 | 289 |
| PP001528 | 18 | 0.75 | 0.4 | 1.2 | 12 | 256 |
| PP001529 | 18 | 1.5 | 0.4 | 1.4 | 14.9 | 430 |

Electrical Characteristics

| Nominal Cross Sectional Area mm ² | Current Carrying Capacities 30°C Continuous Loading A | Maximum Resistance of Conductor at 20°C Ω/km |
|---|---|--|
| 0.75 | 12 | 26 |
| 1 | 15 | 19.5 |
| 1.5 | 18 | 13.3 |
| 2.5 | 26 | 7.98 |

Part Number Table

| Description | No. of Cores | Nominal Cross Sectional Area mm ² | Reel Length | Part Number |
|---------------------------------------|--------------|---|-------------|-------------|
| Flexible Polyurethane Multicore Cable | 3 | 0.75 | 50m | PP001512 |
| | 3 | 1 | | PP001513 |
| | 3 | 1.5 | | PP001514 |
| | 3 | 2.5 | | PP001515 |
| | 4 | 0.75 | | PP001516 |
| | 4 | 1 | | PP001517 |
| | 4 | 1.5 | | PP001518 |
| | 4 | 2.5 | | PP001519 |
| | 5 | 0.75 | | PP001520 |
| | 5 | 1 | | PP001521 |
| | 5 | 1.5 | | PP001522 |
| | 5 | 2.5 | | PP001523 |
| | 7 | 0.75 | | PP001524 |
| | 7 | 1.5 | | PP001525 |
| | 12 | 0.75 | | PP001526 |
| | 12 | 1.5 | | PP001527 |
| | 18 | 0.75 | | PP001528 |
| | 18 | 1.5 | | PP001529 |

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