

Flexible Polyurethane Multicore Cable

multicomp PRO

**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)

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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

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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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