

Flexible YY PVC (YSLY) Multicore Control Cable

pro-POWER

RoHS
Compliant



Application

This flexible YY multicore control cable for instrumentation and control equipment, for tooling machinery production lines, and in flexible applications for free movement without tensile load. Suitable for dry, ambient, wet places. These indoor cables are not used for external or underground installation.

YY control cables are not suitable for fixed wiring applications requiring compliance with the regulations set out in BS7671.

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: 12.5 × overall diameter

Cable Standards

VDE 0207-363-3, VDE 0285-525-2-51, VDE 0285-525-1, VDE 0285-525-2-11, VDE 0482-332-1-2, VDE 819-102 (TM54)
Flame Retardant according to IEC 60332-1-2



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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Sheath

PVC (Polyvinyl Chloride)

Core Identification

Black with white number

From 3 cores: 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
PP001620	2	0.5	0.4	0.7	4.8	36
PP001621	2	0.75	0.4	0.7	5.2	46
PP001622	2	1	0.4	0.7	5.6	56
PP001623	2	1.5	0.4	0.8	6.4	73
PP001624	2	2.5	0.5	0.9	7.6	113
PP001625	3	0.5	0.4	0.7	5.1	44
PP001626	3	0.75	0.4	0.7	5.5	55
PP001627	3	1	0.4	0.8	6.1	69
PP001628	3	1.5	0.4	0.8	6.8	91
PP001629	3	2.5	0.5	0.9	8.3	140
PP001630	3	4	0.6	1	10	210
PP001631	3	6	0.65	1.1	11.5	293
PP001632	4	0.5	0.4	0.7	5.5	54
PP001633	4	0.75	0.4	0.8	6.2	70
PP001634	4	1	0.4	0.8	6.7	85
PP001635	4	1.5	0.4	0.9	7.6	116
PP001636	4	2.5	0.5	1	9.3	179
PP001637	4	4	0.6	1.1	11.2	269
PP001638	4	6	0.65	1.2	12.8	374
PP001639	5	0.75	0.4	0.8	6.7	83
PP001640	5	1	0.4	0.9	7.5	104
PP001641	5	1.5	0.4	0.9	8.3	136
PP001642	5	2.5	0.5	1.1	10.3	213
PP001643	5	4	0.6	1.2	12.4	321
PP001644	5	6	0.65	1.3	14.3	447
PP001645	7	0.75	0.4	0.9	7.5	108
PP001646	7	1	0.4	0.9	8.1	130

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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
PP001647	7	1.5	0.4	1	9.2	177
PP001648	7	2.5	0.5	1.1	11.2	277
PP001609	8	0.75	0.4	0.9	8.1	120
PP001610	8	1	0.4	1	9	150
PP001611	8	1.5	0.4	1	10	200
PP001612	12	0.5	0.4	1	9.1	139
PP001613	12	0.75	0.4	1	9.9	179
PP001614	12	1	0.4	1.1	10.9	225
PP001615	12	1.5	0.4	1.2	12.4	302
PP001616	18	0.5	0.4	1.1	10.7	201
PP001617	18	0.75	0.4	1.2	11.9	230
PP001618	18	1	0.4	1.2	12.9	324
PP001619	18	1.5	0.4	1.4	14.8	446

Electrical Characteristics

Nominal Cross Sectional Area mm ²	Current Carrying Capacities 30°C Continuous Loading	Maximum Resistance of Conductor at 20°C
	A	Ω/km
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3

Part Number Table

Description	No. of Cores	Nominal Cross Sectional Area mm ²	Reel Length	Part Number
Flexible YY PVC (YSLY) Multicore Control Cable	2	0.5	50m	PP001620
	2	0.75		PP001621
	2	1		PP001622
	2	1.5		PP001623
	2	2.5		PP001624
	3	0.5		PP001625
	3	0.75		PP001626
	3	1		PP001627

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Description	No. of Cores	Nominal Cross Sectional Area mm ²	Reel Length	Part Number
Flexible YY PVC (YSLY) Multicore Control Cable	3	1.5	50m	PP001628
	3	2.5		PP001629
	3	4		PP001630
	3	6		PP001631
	4	0.5		PP001632
	4	0.75		PP001633
	4	1		PP001634
	4	1.5		PP001635
	4	2.5		PP001636
	4	4		PP001637
	4	6		PP001638
	5	0.75		PP001639
	5	1		PP001640
	5	1.5		PP001641
	5	2.5		PP001642
	5	4		PP001643
	5	6		PP001644
	7	0.75		PP001645
	7	1		PP001646
	7	1.5		PP001647
	7	2.5		PP001648
	8	0.75		PP001609
	8	1		PP001610
	8	1.5		PP001611
	12	0.5		PP001612
	12	0.75		PP001613
	12	1		PP001614
	12	1.5		PP001615
	18	0.5		PP001616
	18	0.75		PP001617
18	1	PP001618		
18	1.5	PP001619		

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