



CU/PVC/PVC,YY PVC (YSLY) 300/500V Control Cable

DESCRIPTION:

Copper conductor with PVC insulated
and sheathed control cable

CABLE STRUCTURE:

Conductor:

Class 5 flexible plain copper

Insulation:

PVC

Sheath:

PVC

CODE DESIGNATION: YSLY

APPLICATION:

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

STANDARDS:

European standard :

VDE 0207-363-3, VDE 0482-332-1-2,
VDE 819-102 (TM54)

Flame Retardant according to

IEC/EN 60332-1-2

Other standards

such as IEC, BS, DIN and ICEA upon request

TECHNICAL DATA:

Voltage Rating U₀/U:

300/500V

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

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for
our product categories. Additionally, we possess
other authoritative certifications recognized in
various countries and regions. For further details
on our certification portfolio, please do not
hesitate to contact us.





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Specifications

Nom.Cross- section Area	Nominal Thickness		overall diameter	cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacites 30°C Continous
mm ²	mm	mm	mm	km/kg	Ω/km	A
2×0.5	0.40	0.7	4.8	36	39	9
2×0.75	0.40	0.7	5.2	46	26	12
2×1	0.40	0.7	5.6	56	19.5	15
2×1.5	0.40	0.8	6.4	73	13.3	18
2×2.5	0.50	0.9	7.6	113	7.98	26
3×0.5	0.40	0.7	5.1	44	39	9
3×0.75	0.40	0.7	5.5	55	26	12
3×1	0.40	0.8	6.1	69	19.5	15
3×1.5	0.40	0.8	6.8	91	13.3	18
3×2.5	0.50	0.9	8.3	140	7.98	26
3×4	0.60	1	10	210	4.95	34
3×6	0.65	1.10	11.5	293	3.3	44
3×10	0.75	1.40	14.9	500	1.91	61
3×16	0.75	1.50	16.8	704	1.21	82
3×25	0.90	1.80	21.1	1080	0.780	108
4×0.50	0.40	0.7	5.5	54	39	9
4×0.75	0.40	0.8	6.2	70	26	12
4×1	0.40	0.8	6.7	85	19.5	15
4×1.5	0.40	0.9	7.6	116	13.3	18
4×2.5	0.50	1	9.3	179	7.98	26
4×4	0.60	1.10	11.2	269	4.95	34
4×6	0.65	1.20	12.8	374	3.3	44
4×10	0.75	1.50	16.6	608	1.91	61
4×16	0.75	1.60	18.7	844	1.21	82
4×25	0.90	2	23.6	1327	0.780	108
4×35	0.95	2.20	27.2	1790	0.554	135



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mm ²	Insulation mm	Outer Sheath mm	mm	km/kg	Ω/km	A
5×0.50	0.40	0.8	6.2	64	39	9
5×0.75	0.40	0.8	6.7	83	26	12
5×1	0.40	0.9	7.5	104	19.5	15
5×1.5	0.40	0.9	8.3	136	13.3	18
5×2.5	0.50	1.10	10.3	213	7.98	26
5×4	0.60	1.20	12.4	321	4.95	34
5×6	0.65	1.30	14.3	447	3.3	44
5×10	0.75	1.60	18.4	760	1.91	61
5×16	0.75	1.80	20.9	1064	1.21	82
5×25	0.90	2.20	26.4	1673	0.780	108
5×35	0.95	2.40	30.3	2252	0.554	135
7×0.5	0.40	0.8	6.7	81	39	9
7×0.75	0.40	0.9	7.5	108	26	12
7×1	0.40	0.9	8.1	130	19.5	15
7×1.5	0.40	1	9.2	177	13.3	18
7×2.5	0.50	1.10	11.2	277	7.98	26
7×4	0.60	1.30	13.7	423	4.95	34
7×6	0.65	1.40	15.7	593	3.3	44
8×0.75	0.40	0.9	8.1	120	26	12
8×1	0.40	1	9	150	19.5	15
8×1.5	0.40	1	10	200	13.3	18
12×0.5	0.40	1	9.1	139	39	9
12×0.75	0.40	1	9.9	179	26	12
12×1	0.40	1.10	10.9	225	19.5	15
12×1.5	0.40	1.20	12.4	302	13.3	18



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Nom.Cross- section Area	Nominal Thickness		overall diameter	cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacites
	Insulation	Outer Sheath				30°C Continous
mm ²	mm	mm	mm	km/kg	Ω/km	A
12×2.5	0.50	1.40	15.3	478	7.98	26
18×0.5	0.40	1.10	10.7	201	39	9
18×0.75	0.40	1.20	11.9	230	26	12
18×1	0.40	1.20	12.9	324	19.5	15
18×1.5	0.40	1.40	14.8	446	13.3	18
18×2.5	0.50	1.60	18.2	704	7.98	26
25×0.5	0.40	1.20	12.9	285	39	9
25×0.75	0.40	1.30	14.3	372	26	12
25×1	0.40	1.40	15.7	462	19.5	15
25×1.5	0.40	1.60	18	627	13.3	18
25×2.5	0.50	1.90	22.3	997	7.98	26
34×0.75	0.40	1.50	16.3	492	26	12
34×1	0.40	1.60	17.9	617	19.5	15
34×1.5	0.40	1.70	20.2	833	13.3	18
34×2.5	0.50	2.10	25.2	1337	7.98	26
50×1	0.40	1.80	21	869	19.5	15
50×1.5	0.40	2	23.8	1186	13.3	18
50×2.5	0.50	2.40	29.6	1898	7.98	26
61×1	0.40	1.90	22.7	1031	19.5	15