

## YSLY 300/500 V PVC Control Cable



### Application

In dry and damp locations for low and medium-level mechanical stress, but not in the open-air. To be used as a termination and connection cable in the control, measuring and signal technology. Suitable as a signal and impulse cable for control and inspection of industrial plants, production lines and machinery.

### Construction

Conductor material	Copper: Class 5 fine stranded according to EN 60228
Insulation	Polyvinylchloride (PVC)
Outer sheath	Polyvinylchloride (PVC), Grey

### Standards and Certifications

DIN VDE 0281 ; DIN EN 60228 class 5 (construction)

### Core Identification

**JZ:** One core green/yellow, other cores are black with figures

**OZ:** Every core is black with figures

**JB:** Colours accordance with HD 308 standard with green yellow

**OB:** Colours accordance with HD 308 standard without green yellow

### Fire classification CPR class

Reaction to fire EN 60332-1-2 - Eca

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## Technical Data

Nominal voltage U <sub>0</sub> /U	[V]	300 / 500 V
Test voltage	[V]AC	2000
Temperature range	in motion °C	-5°C till +70°C
	fixed °C	-30°C till +70°C
Operating temperature	short circuit °C	150°C
Short circuit time	max. [sec]	5
Bending radius	one time/fixed x diameter	6
	in motion x diameter	15

Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
2 x 0.5	5.3	39	39
3 x 0.5	5.7	47	39
4 x 0.5	6.2	58	39
5 x 0.5	6.8	73	39
6 x 0.5	7.3	88	39
7 x 0.5	7.3	97	39
8 x 0.5	8.4	121	39
9 x 0.5	9.1	134	39
10 x 0.5	9.3	146	39
11 x 0.5	9.7	153	39
12 x 0.5	9.7	164	39
13 x 0.5	10.5	175	39
14 x 0.5	10.5	188	39
15 x 0.5	11	194	39
16 x 0.5	11	206	39
17 x 0.5	11.5	221	39
18 x 0.5	11.7	226	39
19 x 0.5	11.5	239	39

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
20 x 0.5	12.2	252	39
21 x 0.5	12.4	262	39
24 x 0.5	13.3	292	39
25 x 0.5	14.1	314	39
26 x 0.5	14.1	326	39
27 x 0.5	14.1	343	39
30 x 0.5	14.7	360	39
32 x 0.5	15.3	388	39
34 x 0.5	15.4	401	39
36 x 0.5	15.5	414	39
37 x 0.5	15.5	432	39
2 x 0.75	5.7	48	26
3 x 0.75	6.1	58	26
4 x 0.75	6.8	74	26
5 x 0.75	7.4	92	26
6 x 0.75	7.9	83	26
7 x 0.75	7.9	111	26
8 x 0.75	9.1	153	26
9 x 0.75	10.5	179	26
10 x 0.75	10.5	187	26
11 x 0.75	10.9	198	26
12 x 0.75	10.9	211	26
13 x 0.75	11.4	222	26
14 x 0.75	11.4	223	26
15 x 0.75	11.8	243	26
16 x 0.75	12.2	258	26
17 x 0.75	12.5	283	26
18 x 0.75	12.9	295	26
19 x 0.75	12.9	316	26
20 x 0.75	13.7	335	26

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
21 x 0.75	13.7	341	26
24 x 0.75	14.9	360	26
25 x 0.75	15.5	396	26
26 x 0.75	15.3	416	26
27 x 0.75	15.3	430	26
30 x 0.75	16.2	466	26
32 x 0.75	16.8	505	26
34 x 0.75	17.5	527	26
36 x 0.75	17.3	539	26
37 x 0.75	17.3	553	26
2 x 1	6.1	57	19.5
3 x 1	6.6	70	19.5
4 x 1	7.3	90	19.5
5 x 1	7.9	111	19.5
6 x 1	8.7	138	19.5
7 x 1	8.7	140	19.5
8 x 1	10.1	192	19.5
9 x 1	11.3	216	19.5
10 x 1	11.3	229	19.5
11 x 1	11.7	241	19.5
12 x 1	11.8	259	19.5
13 x 1	12.3	271	19.5
14 x 1	12.5	278	19.5
15 x 1	12.5	301	19.5
16 x 1	13.3	322	19.5
17 x 1	13.5	346	19.5
18 x 1	13.9	360	19.5
19 x 1	13.9	389	19.5
20 x 1	14.9	416	19.5
21 x 1	14.9	443	19.5

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
24 x 1	16.5	491	19.5
25 x 1	16.9	524	19.5
30 x 1	17.7	579	19.5
32 x 1	18.4	627	19.5
34 x 1	19.1	677	19.5
36 x 1	19.1	696	19.5
37 x 1	19.1	724	19.5
2 x 1.5	6.7	72	13.3
3 x 1.5	7.2	89	13.3
4 x 1.5	7.8	111	13.3
5 x 1.5	8.6	141	13.3
6 x 1.5	9.5	174	13.3
7 x 1.5	9.5	196	13.3
8 x 1.5	10.9	234	13.3
9 x 1.5	12.1	266	13.3
10 x 1.5	12.1	286	13.3
11 x 1.5	12.5	300	13.3
12 x 1.5	13.0	315	13.3
14 x 1.5	13.6	355	13.3
16 x 1.5	14.4	408	13.3
18 x 1.5	15.1	458	13.3
19 x 1.5	15.1	491	13.3
20 x 1.5	16.2	526	13.3
21 x 1.5	16.2	576	13.3
25 x 1.5	18.4	666	13.3
26 x 1.5	18.6	684	13.3
30 x 1.5	19.2	742	13.3
32 x 1.5	20.2	811	13.3
34 x 1.5	21.0	864	13.3
36 x 1.5	21.0	888	13.3

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
2 x 2.5	8.2	112	7.98
3 x 2.5	8.8	141	7.98
4 x 2.5	9.7	177	7.98
5 x 2.5	10.7	220	7.98
6 x 2.5	11.7	265	7.98
7 x 2.5	11.7	299	7.98
8 x 2.5	13.3	370	7.98
9 x 2.5	15.3	437	7.98
10 x 2.5	15.3	454	7.98
11 x 2.5	15.3	473	7.98
12 x 2.5	15.9	512	7.98
14 x 2.5	16.6	563	7.98
16 x 2.5	17.7	641	7.98
18 x 2.5	18.7	733	7.98
20 x 2.5	19.8	831	7.98
21 x 2.5	19.8	941	7.98
25 x 2.5	22.9	1059	7.98
30 x 2.5	23.8	1175	7.98
32 x 2.5	24.9	1281	7.98
34 x 2.5	25.7	1367	7.98
36 x 2.5	25.7	1408	7.98
2 x 4	9.3	156	4.95
3 x 4	9.9	197	4.95
4 x 4	11.2	253	4.95
5 x 4	12.4	321	4.95
7 x 4	13.6	408	4.95
12 x 4	18.3	724	4.95
2 x 6	12.5	261	3.30
3 x 6	13.6	336	3.30
4 x 6	14.8	420	3.30

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
5 x 6	16.4	537	3.30
7 x 6	18.3	686	3.30
2 x 10	13.6	295	1.91
3 x 10	14.5	365	1.91
4 x 10	17.7	651	1.91
5 x 10	19.6	824	1.91
7 x 10	21.6	1041	1.91
2 x 16	15.0	401	1.21
3 x 16	16.2	515	1.21
4 x 16	21.5	980	1.21
5 x 16	23.9	1256	1.21
7 x 16	26.2	1592	1.21
2 x 25	18.6	625	0.780
3 x 25	20.2	814	0.780
4 x 25	26.4	1511	0.780
5 x 25	29.3	1930	0.780
7 x 25	32.5	2461	0.780
3 x 35	24.9	1245	0.554
4 x 35	31.5	2128	0.554
5 x 35	34.5	2678	0.554
4 x 50	37.1	3014	0.386
5 x 50	41.3	3743	0.386
4 x 70	44.1	4257	0.272
5 x 70	48.3	5230	0.272

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