



# YSLY-JZ or -OZ

PVC control cable, unscreened

CONTROL AND ELECTRONICS CABLES

For the electrical connection of components of production machines and machine tools. Shows some resistance to all-purpose mineral oil and is not designed for permanent usage in oil baths. The cable is designed for use in buildings and should be installed with mechanical protection.



## TECHNICAL DATA



**Standard**  
based on VDE 0281



**Test Voltage**  
4 kV



**Rated Voltage**  
300/500 V (U<sub>0</sub>/U)



**Bending radius (min.)**  
4 x Ø der Leitung (feste Verlegung)  
15 x Ø der Leitung (freie Verlegung)



**Fire properties**  
EN 60332-1-2: self-extinguishing and flame retardant



**Core identification**  
black with number printing, with one core green-yellow (JZ), without (OZ)



**Temperature range**  
Laying temperature: min. 5°C  
Conductor temperature: max. 60°C  
Short circuit temperature: max. 150°C  
Fixed installation: -50°C up to 70°C  
Flexible use: -5°C up to 70°C

## DESIGN



Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 0,5	39.0	4.8	32	100 R, 500 Sp
3 x 0,5	39.0	5.1	39	100 R, 500 Sp
4 x 0,5	39.0	5.5	47	100 R, 500 Sp
5 x 0,5	39.0	6.0	55	100 R, 500 Sp
7 x 0,5	39.0	6.7	81	100 R, 500 Sp
10 x 0,5	39.0	8.4	101	500 Sp, 1000 Sp
12 x 0,5	39.0	8.7	115	500 Sp, 1000 Sp
14 x 0,5	39.0	9.1	131	500 Sp, 1000 Sp
16 x 0,5	39.0	10.3	151	500 Sp, 1000 Sp
18 x 0,5	39.0	10.3	166	500 Sp, 1000 Sp
21 x 0,5	39.0	11.7	197	500 T, 1000 T
25 x 0,5	39.0	12.5	228	500 T, 1000 T
30 x 0,5	39.0	12.9	264	500 T, 1000 T
34 x 0,5	39.0	13.9	296	500 T, 1000 T
40 x 0,5	39.0	15.4	452	500 T, 1000 T
50 x 0,5	39.0	17.5	510	500 T, 1000 T
61 x 0,5	39.0	19.1	670	500 T, 1000 T
2 x 0,75	26.0	5.2	40	50 R, 100 R, 500 Sp, 1000 Sp
3 x 0,75	26.0	5.5	48	500 T, 1000 T
4 x 0,75	26.0	6.0	59	500 T, 1000 T
5 x 0,75	26.0	6.5	70	100 R, 500 Sp
6 x 0,75	26.0	7.3	85	500 T, 1000 T
7 x 0,75	26.0	7.3	94	500 T, 1000 T
10 x 0,75	26.0	9.4	133	500 T, 1000 T
12 x 0,75	26.0	9.7	153	500 T, 1000 T
15 x 0,75	26.0	10.7	195	500 T, 1000 T
16 x 0,75	26.0	11.2	221	500 T, 1000 T
18 x 0,75	26.0	11.5	229	500 T, 1000 T
21 x 0,75	26.0	13.7	256	500 T, 1000 T
25 x 0,75	26.0	15.3	297	500 T, 1000 T
34 x 0,75	26.0	15.3	388	500 T, 1000 T
41 x 0,75	26.0	16.6	668	500 T, 1000 T
42 x 0,75	26.0	17.0	467	500 T, 1000 T
50 x 0,75	26.0	19.8	730	500 T, 1000 T
61 x 0,75	26.0	21.2	890	500 T, 1000 T
80 x 0,75	26.0	26.0	1165	500 T, 1000 T
2 x 1	19.5	5.6	47	500 T, 1000 T
3 x 1	19.5	5.9	58	500 T, 1000 T
4 x 1	19.5	6.5	71	500 T, 1000 T
5 x 1	19.5	7.3	88	500 T, 1000 T
7 x 1	19.5	7.9	113	500 T, 1000 T
10 x 1	19.5	10.2	160	500 T, 1000 T
12 x 1	19.5	10.5	185	500 T, 1000 T
14 x 1	19.5	11.1	211	500 T, 1000 T
16 x 1	19.5	11.9	242	500 T, 1000 T
18 x 1	19.5	12.5	268	500 T, 1000 T
21 x 1	19.5	14.0	310	500 T, 1000 T
25 x 1	19.5	14.9	361	500 T, 1000 T
30 x 1	19.5	15.5	421	500 T, 1000 T
41 x 1	19.5	19.2	715	500 T, 1000 T
50 x 1	19.5	21.1	843	500 T, 1000 T
61 x 1	19.5	22.5	1080	500 T, 1000 T



Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 1,5	13.3	6.0	58	500 T, 1000 T
3 x 1,5	13.3	6.4	72	500 Sp, 1000 Sp
4 x 1,5	13.3	7.2	93	500 T, 1000 T
5 x 1,5	13.3	7.8	111	500 T, 1000 T
6 x 1,5	13.3	8.5	129	500 T, 1000 T
7 x 1,5	13.3	8.5	144	500 T, 1000 T
10 x 1,5	13.3	11.0	205	500 T, 1000 T
12 x 1,5	13.3	11.6	243	500 T, 1000 T
14 x 1,5	13.3	12.1	278	500 T, 1000 T
16 x 1,5	13.3	12.8	312	500 T, 1000 T
18 x 1,5	13.3	13.5	346	500 T, 1000 T
21 x 1,5	13.3	15.1	400	500 T, 1000 T
25 x 1,5	13.3	16.2	467	500 T, 1000 T
32 x 1,5	13.3	19.2	820	500 T, 1000 T
34 x 1,5	13.3	19.7	860	500 T, 1000 T
50 x 1,5	13.3	23.7	1296	500 T, 1000 T
61 x 1,5	13.3	25.4	1502	500 T, 1000 T
2 x 2,5	7.98	7.1	85	500 T, 1000 T
3 x 2,5	7.98	7.5	108	500 T, 1000 T
4 x 2,5	7.98	8.3	135	500 T, 1000 T
5 x 2,5	7.98	9.0	162	500 T, 1000 T
7 x 2,5	7.98	10.1	219	500 T, 1000 T
10 x 2,5	7.98	13.0	310	500 T, 1000 T
12 x 2,5	7.98	13.4	361	500 T, 1000 T
16 x 2,5	7.98	14.9	467	500 T, 1000 T
18 x 2,5	7.98	15.8	519	500 T, 1000 T
25 x 2,5	7.98	18.9	705	500 T, 1000 T
34 x 2,5	7.98	24.6	1513	500 T, 1000 T
2 x 4	4.95	8.6	127	500 T, 1000 T
3 x 4	4.95	9.4	167	500 T, 1000 T
4 x 4	4.95	10.3	209	500 T, 1000 T
5 x 4	4.95	11.3	252	500 T, 1000 T
7 x 4	4.95	13.9	488	500 T, 1000 T
2 x 6	3.3	10.0	179	500 T, 1000 T
3 x 6	3.3	11.9	298	500 T, 1000 T
4 x 6	3.3	10.7	232	500 T, 1000 T
5 x 6	3.3	13.1	360	500 T, 1000 T
3 x 10	1.91	14.3	407	500 T, 1000 T
4 x 10	1.91	15.8	514	500 T, 1000 T
5 x 10	1.91	17.4	623	500 T, 1000 T
3 x 16	1.21	16.9	605	500 T, 1000 T
4 x 16	1.21	18.7	769	500 T, 1000 T
5 x 16	1.21	20.6	950	500 T, 1000 T
7 x 16	1.21	23.9	1779	500 T, 1000 T
4 x 25	0.78	22.5	1165	500 T, 1000 T
7 x 25	0.78	31.2	2597	500 T, 1000 T
4 x 35	0.554	24.9	1549	500 T, 1000 T
5 x 35	0.554	33.0	2635	500 T, 1000 T
4 x 50	0.368	29.3	2151	500 T, 1000 T
5 x 50	0.368	33.0	2671	500 T, 1000 T
4 x 70	0.272	42.2	4050	500 T, 1000 T



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