

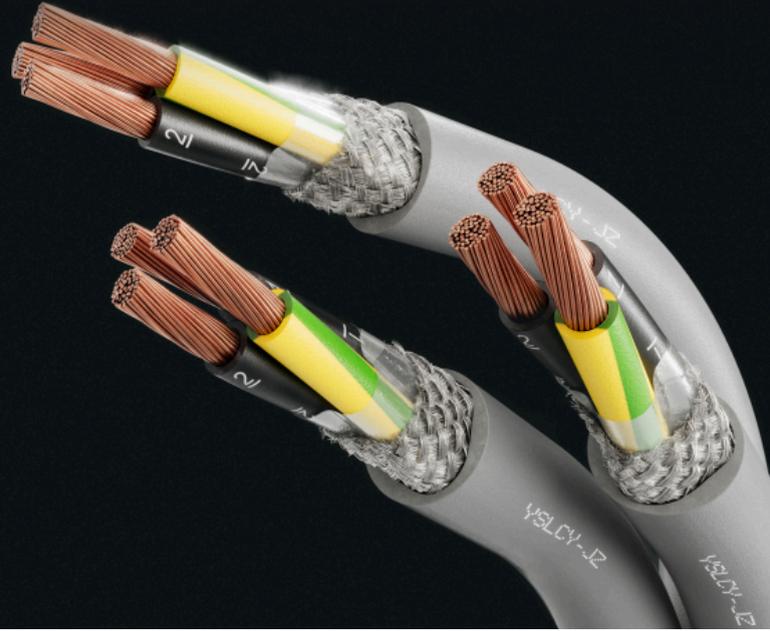


# YSLCY-JZ or -OZ

PVC control cable, screened

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, protective conductor green/yellow (outer layer)



**Temperature range**  
Laying temperature: min. 5°C  
Conductor temperature: max. 60°C  
Short circuit temperature: max. 150°C  
Fixed installation: -20°C up to 50°C  
Flexible use: 5°C up to 50°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	5.4	41	500 Sp, 1000 Sp
3 x 0,5	39.0	5.7	50	500 Sp, 1000 Sp
4 x 0,5	39.0	6.1	59	500 Sp, 1000 Sp
5 x 0,5	39.0	6.6	72	500 Sp, 1000 Sp
7 x 0,5	39.0	7.1	85	500 Sp, 1000 Sp
10 x 0,5	39.0	9.1	123	500 Sp, 1000 Sp
12 x 0,5	39.0	9.4	138	500 Sp, 1000 Sp
14 x 0,5	39.0	10.0	159	500 Sp, 1000 Sp
16 x 0,5	39.0	10.5	175	500 Sp, 1000 Sp
21 x 0,5	39.0	12.5	230	500 T, 1000 T
25 x 0,5	39.0	13.2	260	500 T, 1000 T
30 x 0,5	39.0	15.3	363	500 T, 1000 T
34 x 0,5	39.0	16.3	420	500 T, 1000 T
40 x 0,5	39.0	17.3	465	500 T, 1000 T
50 x 0,5	39.0	19.6	575	500 T, 1000 T
61 x 0,5	39.0	20.8	675	500 T, 1000 T
2 x 0,75	26.0	6.0	53	500 T, 1000 T
3 x 0,75	26.0	6.1	60	500 Sp, 1000 Sp
4 x 0,75	26.0	6.6	73	500 Sp, 1000 Sp
5 x 0,75	26.0	7.6	95	500 T, 1000 T
7 x 0,75	26.0	7.9	110	500 Sp, 1000 Sp
8 x 0,75	26.0	8.8	138	500 Sp, 1000 Sp
10 x 0,75	26.0	10.0	155	500 Sp, 1000 Sp
12 x 0,75	26.0	10.3	175	500 T, 1000 T
16 x 0,75	26.0	11.5	220	500 Sp, 1000 Sp
21 x 0,75	26.0	13.6	290	500 T, 1000 T
25 x 0,75	26.0	14.4	325	500 T, 1000 T
44 x 0,75	26.0	19.2	600	500 T, 1000 T
50 x 0,75	26.0	20.6	695	500 T, 1000 T
61 x 0,75	26.0	23.0	720	500 T, 1000 T
2 x 1	19.5	6.3	56	500 T, 1000 T
3 x 1	19.5	6.6	70	500 T, 1000 T
4 x 1	19.5	7.2	85	500 T, 1000 T
5 x 1	19.5	8.0	105	500 T, 1000 T
7 x 1	19.5	8.7	130	500 T, 1000 T
11 x 1	19.5	11.0	190	500 T, 1000 T
12 x 1	19.5	11.3	215	500 T, 1000 T
14 x 1	19.5	12.2	250	500 T, 1000 T
16 x 1	19.5	12.8	280	500 T, 1000 T
18 x 1	19.5	13.5	315	500 T, 1000 T
21 x 1	19.5	15.0	360	500 T, 1000 T
25 x 1	19.5	16.0	410	500 T, 1000 T
30 x 1	19.5	17.6	530	500 T, 1000 T
34 x 1	19.5	19.1	604	500 T, 1000 T
50 x 1	19.5	22.6	849	500 T, 1000 T
2 x 1,5	13.3	6.7	67	500 T, 1000 T
3 x 1,5	13.3	7.0	85	500 T, 1000 T
4 x 1,5	13.3	7.9	106	500 T, 1000 T
5 x 1,5	13.3	8.6	130	500 T, 1000 T
7 x 1,5	13.3	9.2	165	500 T, 1000 T
8 x 1,5	13.3	10.5	215	500 T, 1000 T
10 x 1,5	13.3	12.1	245	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)
12 x 1,5	13.3	12.5	280	500 T, 1000 T
14 x 1,5	13.3	13.1	315	500 T, 1000 T
16 x 1,5	13.3	13.8	350	500 T, 1000 T
18 x 1,5	13.3	14.5	395	500 T, 1000 T
21 x 1,5	13.3	15.6	440	500 T, 1000 T
25 x 1,5	13.3	16.7	510	500 T, 1000 T
32 x 1,5	13.3	22.3	817	500 T, 1000 T
34 x 1,5	13.3	23.3	874	500 T, 1000 T
44 x 1,5	13.3	26.5	1139	500 T, 1000 T
50 x 1,5	13.3	27.8	1269	500 T, 1000 T
61 x 1,5	13.3	29.4	1490	500 T, 1000 T
2 x 2,5	7.98	7.9	95	500 T, 1000 T
3 x 2,5	7.98	8.4	125	500 T, 1000 T
4 x 2,5	7.98	9.1	155	500 T, 1000 T
5 x 2,5	7.98	10.1	190	500 T, 1000 T
7 x 2,5	7.98	11.0	245	500 T, 1000 T
10 x 2,5	7.98	14.1	350	500 T, 1000 T
12 x 2,5	7.98	14.6	405	500 T, 1000 T
18 x 2,5	7.98	18.2	570	500 T, 1000 T
50 x 2,5	7.98	32.9	1898	500 T, 1000 T
3 x 4	4.95	9.9	175	500 T, 1000 T
4 x 4	4.95	10.8	220	500 T, 1000 T
5 x 4	4.95	11.7	270	500 T, 1000 T
7 x 4	4.95	14.8	440	500 T, 1000 T
2 x 6	3.3	10.5	180	500 T, 1000 T
4 x 6	3.3	12.5	310	500 T, 1000 T
5 x 6	3.3	13.6	385	500 T, 1000 T
7 x 6	3.3	17.3	604	500 T, 1000 T
4 x 10	1.91	16.3	523	500 T, 1000 T
5 x 10	1.91	17.9	639	500 T, 1000 T
7 x 10	1.91	24.4	1079	500 T, 1000 T
4 x 16	1.21	23.5	954	500 T, 1000 T
5 x 16	1.21	26.2	1217	500 T, 1000 T
7 x 16	1.21	28.8	1587	500 T, 1000 T
4 x 25	0.78	23.0	1128	500 T, 1000 T
5 x 25	0.78	25.4	1384	500 T, 1000 T

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