



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_o/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 ²)	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 0,5	39	4.8	32	100 R, 500 Sp
3 x 0,5	39	5.1	39	100 R, 500 Sp
4 x 0,5	39	5.5	47	100 R, 500 Sp
5 x 0,5	39	6	55	100 R, 500 Sp
7 x 0,5	39	6.7	81	100 R, 500 Sp
10 x 0,5	39	8.4	101	500 Sp, 1000 Sp
12 x 0,5	39	8.7	115	500 Sp, 1000 Sp
14 x 0,5	39	9.1	131	500 Sp, 1000 Sp
16 x 0,5	39	10.3	151	500 Sp, 1000 Sp
18 x 0,5	39	10.3	166	500 Sp, 1000 Sp
21 x 0,5	39	11.7	197	500 T, 1000 T
25 x 0,5	39	12.5	228	500 T, 1000 T
30 x 0,5	39	12.9	264	500 T, 1000 T
34 x 0,5	39	13.9	296	500 T, 1000 T
40 x 0,5	39	15.4	452	500 T, 1000 T
50 x 0,5	39	17.5	510	500 T, 1000 T
61 x 0,5	39	19.1	670	500 T, 1000 T
2 x 0,75	26	5.2	40	50 R, 100 R, 500 Sp, 1000 Sp
3 x 0,75	26	5.5	48	500 T, 1000 T
4 x 0,75	26	6	59	500 T, 1000 T
5 x 0,75	26	6.5	70	100 R, 500 Sp
6 x 0,75	26	7.3	85	500 T, 1000 T
7 x 0,75	26	7.3	94	500 T, 1000 T
10 x 0,75	26	9.4	133	500 T, 1000 T
12 x 0,75	26	9.7	153	500 T, 1000 T
15 x 0,75	26	10.7	195	500 T, 1000 T
16 x 0,75	26	11.2	221	500 T, 1000 T
18 x 0,75	26	11.5	229	500 T, 1000 T
21 x 0,75	26	13.7	256	500 T, 1000 T
25 x 0,75	26	15.3	297	500 T, 1000 T
34 x 0,75	26	15.3	388	500 T, 1000 T
41 x 0,75	26	16.6	668	500 T, 1000 T
42 x 0,75	26	17	467	500 T, 1000 T
50 x 0,75	26	19.8	730	500 T, 1000 T
61 x 0,75	26	21.2	890	500 T, 1000 T
80 x 0,75	26	26	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	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 ²)	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	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	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	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	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	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	2635	500 T, 1000 T
4 x 50	0.368	29.3	2151	500 T, 1000 T
5 x 50	0.368	33	2671	500 T, 1000 T
4 x 70	0.272	42.2	4050	500 T, 1000 T



CONTACT PERSON

Dogan Özcan

Head of Technical Department
+43 (0) 1 70170-154
dogan.oezcan@skw.at

