

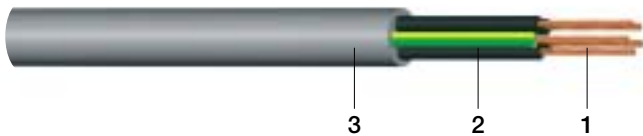
YSLY / YSLY (SKW-Controflex)

Control cable, unshielded

Standard: SKW-internal standard adapted to ÖVE and VDE

Usage:

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 laid with mechanical protection.



Construction:

- 1 Copper conductor, fine wire
- 2 Core insulation (PVC), cores stranded in layers
- 3 Sheath (PVC grey RAL 7001 or blue RAL 5012 for intrinsically safe installations), partially oil resistant



Rated voltage: 300/500 V



Test voltage: until 1 mm²: 1500 Veff
above 1 mm²: 2000 Veff



Temperature range:
laying temperature: min. +5 °C
operating temperature: fixed -40 °C to +50 °C
in motion -5 °C to +50 °C
conductor temperature: max. +60 °C
short-circuit temperature: max. +150 °C/5 s



Bending radius (min.): 4 x Ø of cable



Core identification: black with number printing, protective conductor green/yellow (outer layer)



Fire properties: flame retardant (EN 50265-2-1, IEC 60332-1)

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
YSLY-OZ					
2 x 0.5	39.000	4.8	10	36	100 R, 500 Sp
2 x 0.75	26.000	5.2	15	44	100 R, 500 Sp
2 x 1	19.500	5.5	20	51	100 R, 500 Sp
2 x 1.5	13.300	6.3	30	69	100 R, 500 Sp
2 x 2.5	7.980	7.6	50	106	100 R, 500 Sp
YSLY-JZ					
3 x 0.5	39.000	5.0	15	42	100 R, 500 Sp
4 x 0.5	39.000	5.7	20	55	100 R, 500 Sp
5 x 0.5	39.000	6.2	25	65	100 R, 500 Sp
7 x 0.5	39.000	6.7	35	81	100 R, 500 Sp
10 x 0.5	39.000	8.8	50	129	500 Sp, 1000 Sp
12 x 0.5	39.000	9.0	60	142	100 R, 500 Sp
14 x 0.5	39.000	9.5	70	158	500 Sp, 1000 Sp
16 x 0.5	39.000	10.0	80	176	500 Sp, 1000 Sp
18 x 0.5	39.000	10.7	90	202	500 Sp, 1000 Sp
21 x 0.5	39.000	11.3	105	229	500 T, 1000 T
25 x 0.5	39.000	12.9	125	284	500 T, 1000 T
30 x 0.5	39.000	13.5	150	330	500 T, 1000 T

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YSLY-JZ					
34 x 0.5	39.000	14.5	170	375	500 T, 1000 T
40 x 0.5	39.000	15.0	200	410	500 T, 1000 T
50 x 0.5	39.000	17.0	250	520	500 T, 1000 T
61 x 0.5	39.000	19.5	305	620	500 T, 1000 T
3 x 0.75	26.000	5.4	23	53	100 R, 500 Sp
4 x 0.75	26.000	6.2	30	68	100 R, 500 Sp
5 x 0.75	26.000	6.8	38	83	100 R, 500 Sp
6 x 0.75	26.000	7.0	45	99	500 Sp, 1000 Sp
7 x 0.75	26.000	7.3	53	104	100 R, 500 Sp
10 x 0.75	26.000	9.6	75	165	500 Sp, 1000 Sp
12 x 0.75	26.000	9.9	90	183	100 R, 500 Sp
16 x 0.75	26.000	11.4	120	240	500 T, 1000 T
18 x 0.75	26.000	11.9	135	267	500 T, 1000 T
21 x 0.75	26.000	12.8	158	303	500 T, 1000 T
25 x 0.75	26.000	14.3	188	376	500 T, 1000 T
34 x 0.75	26.000	16.3	255	496	500 T, 1000 T
41 x 0.75	26.000	18.3	308	620	500 T, 1000 T
50 x 0.75	26.000	19.2	375	698	500 T, 1000 T
61 x 0.75	26.000	20.5	458	790	500 T, 1000 T
80 x 0.75	26.000	23.0	600	1,000	500 T, 1000 T
3 x 1	19.500	5.9	30	64	100 R, 500 Sp
4 x 1	19.500	6.5	40	80	100 R, 500 Sp
5 x 1	19.500	7.2	50	99	100 R, 500 Sp
7 x 1	19.500	8.0	70	127	100 R, 500 Sp
10 x 1	19.500	11.5	100	200	500 T, 1000 T
12 x 1	19.500	10.8	120	223	500 T, 1000 T
14 x 1	19.500	11.3	140	249	500 T, 1000 T
16 x 1	19.500	12.0	160	286	500 T, 1000 T
18 x 1	19.500	12.7	180	316	500 T, 1000 T
21 x 1	19.500	13.6	210	369	500 T, 1000 T
25 x 1	19.500	14.5	250	456	500 T, 1000 T
30 x 1	19.500	16.4	300	530	500 T, 1000 T
34 x 1	19.500	17.4	340	591	500 T, 1000 T
50 x 1	19.500	20.9	500	855	500 T, 1000 T
61 x 1	19.500	24.0	610	1,050	500 T, 1000 T
3 x 1.5	13.300	6.6	45	84	100 R, 500 Sp
4 x 1.5	13.300	7.3	60	105	100 R, 500 Sp
5 x 1.5	13.300	8.2	75	132	100 R, 500 Sp
6 x 1.5	13.300	8.5	90	158	500 Sp, 1000 Sp
7 x 1.5	13.300	8.9	105	168	500 T, 1000 T

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YSLY-JZ					
10 x 1.5	13.300	11.6	150	263	500 T, 1000 T
12 x 1.5	13.300	12.0	180	294	500 T, 1000 T
14 x 1.5	13.300	12.8	210	336	500 T, 1000 T
16 x 1.5	13.300	13.5	240	377	500 T, 1000 T
18 x 1.5	13.300	14.4	270	426	500 T, 1000 T
21 x 1.5	13.300	15.2	315	488	500 T, 1000 T
25 x 1.5	13.300	17.5	375	612	500 T, 1000 T
32 x 1.5	13.300	18.5	480	700	500 T, 1000 T
34 x 1.5	13.300	19.7	510	795	500 T, 1000 T
42 x 1.5	13.300	22.2	630	999	500 T, 1000 T
50 x 1.5	13.300	23.6	750	1,148	500 T, 1000 T
61 x 1.5	13.300	27.0	915	1,450	500 T, 1000 T
3 x 2.5	7.980	8.1	75	132	100 R, 500 Sp
4 x 2.5	7.980	9.0	100	167	100 R, 500 Sp
5 x 2.5	7.980	10.1	125	211	100 R, 500 Sp
7 x 2.5	7.980	11.2	175	273	500 T, 1000 T
10 x 2.5	7.980	14.4	250	417	500 T, 1000 T
12 x 2.5	7.980	15.1	300	475	500 T, 1000 T
16 x 2.5	7.980	17.1	400	617	500 T, 1000 T
18 x 2.5	7.980	18.0	450	688	500 T, 1000 T
25 x 2.5	7.980	22.1	625	993	500 T, 1000 T
34 x 2.5	7.980	30.0	850	1,384	500 T, 1000 T
50 x 2.5	7.980	32.5	1,250	1,860	500 T, 1000 T
3 x 4	4.950	9.9	120	205	500 T, 1000 T
4 x 4	4.950	11.2	160	263	500 T, 1000 T
5 x 4	4.950	12.6	200	332	500 T, 1000 T
7 x 4	4.950	13.7	280	422	500 T, 1000 T
3 x 6	3.300	11.2	180	278	500 T, 1000 T
4 x 6	3.300	12.6	240	358	500 T, 1000 T
5 x 6	3.300	14.1	300	453	500 T, 1000 T
7 x 6	3.300	15.6	420	587	500 T, 1000 T
4 x 10	1.910	16.5	400	620	500 T, 1000 T
5 x 10	1.910	18.4	500	778	500 T, 1000 T
7 x 10	1.910	20.1	700	1,001	500 T, 1000 T
4 x 16	1.210	19.6	640	938	500 T, 1000 T
5 x 16	1.210	21.9	800	1,178	500 T, 1000 T
7 x 16	1.210	23.9	1,120	1,518	500 T, 1000 T
4 x 25	0.780	27.0	1,000	1,590	500 T, 1000 T
5 x 25	0.780	30.0	1,250	2,000	500 T, 1000 T
7 x 25	0.780	38.0	1,750	2,560	500 T, 1000 T

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YSLY–JZ					
4 x 35	0.554	29.0	1,400	2,110	500 T, 1000 T
5 x 35	0.554	33.0	1,750	2,635	500 T, 1000 T
4 x 50	0.368	35.0	2,000	2,950	500 T, 1000 T
4 x 70	0.272	40.0	2,800	4,254	500 T, 1000 T

Subject to technical changes.