

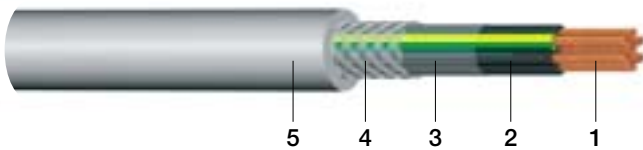
YSLCY / YSLCY (SKW-Controlflex-C)

Control cable, screened

Standard: SKW-internal standard adapted to ÖVE and VDE

Usage:

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



Construction:

- 1 Copper conductor, fine wire
- 2 Core insulation (PVC), cores stranded in layers
- 3 Inner covering (plastic tape)
- 4 Braided screen (tinned copper wires)
- 5 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)
YSLCY-OZ					
2 x 0.5	39	5.8	36	48	100 R, 500 Sp
2 x 0.75	26	6.0	43	53	100 R, 500 Sp
2 x 1	19.5	6.5	51	63	100 R, 500 Sp
2 x 1.5	13.3	7.7	65	87	100 R, 500 Sp
2 x 2.5	7.98	9.1	92	123	100 R, 500 Sp
YSLCY-JZ					
3 x 0.5	39	6.1	43	56	500 Sp, 1000 Sp
4 x 0.5	39	6.7	49	68	100 R, 500 Sp
5 x 0.5	39	7.3	57	80	500 Sp, 1000 Sp
7 x 0.5	39	7.9	69	100	500 Sp, 1000 Sp
10 x 0.5	39	10.0	92	143	500 Sp, 1000 Sp
12 x 0.5	39	10.4	104	160	500 Sp, 1000 Sp
14 x 0.5	39	11.0	116	180	500 Sp, 1000 Sp
16 x 0.5	39	11.5	129	202	500 Sp, 1000 Sp
21 x 0.5	39	12.8	159	252	500 T, 1000 T
25 x 0.5	39	14.5	211	318	500 T, 1000 T
30 x 0.5	39	15.3	238	363	500 T, 1000 T
34 x 0.5	39	16.3	170	420	500 T, 1000 T

YSLCY / YSLCY (SKW-Controflex-C)

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)
YSLCY-JZ					
40 x 0.5	39	17.3	297	465	500 T, 1000 T
50 x 0.5	39	19.6	362	575	500 T, 1000 T
61 x 0.5	39	20.8	424	675	500 T, 1000 T
3 x 0.75	26	7.0	52	65	100 R, 500 Sp
4 x 0.75	26	9.5	61	79	100 R, 500 Sp
5 x 0.75	26	7.6	72	95	100 R, 500 Sp
7 x 0.75	26	8.2	89	120	100 R, 500 Sp
8 x 0.75	26	9.0	100	134	500 Sp, 1000 Sp
10 x 0.75	26	10.5	121	168	500 Sp, 1000 Sp
12 x 0.75	26	10.9	138	190	500 Sp, 1000 Sp
16 x 0.75	26	12.1	174	241	500 Sp, 1000 Sp
18 x 0.75	26	12.7	444	268	500 T, 1000 T
21 x 0.75	26	13.7	237	319	500 T, 1000 T
25 x 0.75	26	15.2	280	377	500 T, 1000 T
34 x 0.75	26	17.0	357	497	500 T, 1000 T
44 x 0.75	26	19.2	448	600	500 T, 1000 T
50 x 0.75	26	20.6	496	695	500 T, 1000 T
61 x 0.75	26	23.0	619	720	500 T, 1000 T
3 x 1	19.5	6.9	62	76	100 R, 500 Sp
4 x 1	19.5	7.5	74	94	100 R, 500 Sp
5 x 1	19.5	8.2	88	110	100 R, 500 Sp
7 x 1	19.5	8.9	112	141	100 R, 500 Sp
10 x 1	19.5	11.4	152	202	500 T, 1000 T
12 x 1	19.5	11.8	174	232	500 T, 1000 T
14 x 1	19.5	12.4	217	259	500 T, 1000 T
16 x 1	19.5	13.0	241	305	500 T, 1000 T
18 x 1	19.5	14.2	268	342	500 T, 1000 T
21 x 1	19.5	15.0	302	386	500 T, 1000 T
25 x 1	19.5	17.0	354	464	500 T, 1000 T
30 x 1	19.5	17.6	407	530	500 T, 1000 T
34 x 1	19.5	19.1	458	604	500 T, 1000 T
50 x 1	19.5	22.6	671	849	500 T, 1000 T
3 x 1.5	13.3	8.1	82	106	100 R, 500 Sp
4 x 1.5	13.3	8.9	100	131	100 R, 500 Sp
5 x 1.5	13.3	9.5	119	156	100 R, 500 Sp
7 x 1.5	13.3	10.7	154	203	100 R, 500 Sp
8 x 1.5	13.3	11.7	172	227	500 T, 1000 T
10 x 1.5	13.3	14.0	236	310	500 T, 1000 T
12 x 1.5	13.3	13.5	268	341	500 T, 1000 T
14 x 1.5	13.3	15.3	302	389	500 T, 1000 T

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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)
YSLCY-JZ					
16 x 1.5	13.3	16.1	338	438	500 T, 1000 T
18 x 1.5	13.3	17.1	373	490	500 T, 1000 T
21 x 1.5	13.3	18.1	422	553	500 T, 1000 T
25 x 1.5	13.3	20.6	530	667	500 T, 1000 T
32 x 1.5	13.3	22.3	645	817	500 T, 1000 T
34 x 1.5	13.3	23.2	686	874	500 T, 1000 T
44 x 1.5	13.3	26.5	899	1,139	500 T, 1000 T
50 x 1.5	13.3	27.8	1,001	1,269	500 T, 1000 T
61 x 1.5	13.3	29.4	1,183	1,490	500 T, 1000 T
3 x 2.5	7.98	9.0	119	148	500 T, 1000 T
4 x 2.5	7.98	10.7	149	190	500 T, 1000 T
5 x 2.5	7.98	11.0	179	222	500 T, 1000 T
7 x 2.5	7.98	12.8	254	298	500 T, 1000 T
10 x 2.5	7.98	16.8	353	454	500 T, 1000 T
12 x 2.5	7.98	17.4	407	519	500 T, 1000 T
18 x 2.5	7.98	20.6	610	747	500 T, 1000 T
50 x 2.5	7.98	32.9	1,553	1,898	500 T, 1000 T
3 x 4	4.95	10.9	172	207	500 T, 1000 T
4 x 4	4.95	12.0	239	251	500 T, 1000 T
5 x 4	4.95	13.5	288	340	500 T, 1000 T
7 x 4	4.95	14.8	378	442	500 T, 1000 T
4 x 6	3.3	14.3	334	384	500 T, 1000 T
5 x 6	3.3	15.7	403	472	500 T, 1000 T
7 x 6	3.3	17.3	534	604	500 T, 1000 T
4 x 10	1.91	20.0	518	683	500 T, 1000 T
5 x 10	1.91	22.1	662	824	500 T, 1000 T
7 x 10	1.91	24.4	882	1079	500 T, 1000 T
4 x 16	1.21	22.0	809	930	500 T, 1000 T
5 x 16	1.21	26.2	990	1,203	500 T, 1000 T
7 x 16	1.21	28.8	1,370	1,587	500 T, 1000 T

Subject to technical changes.