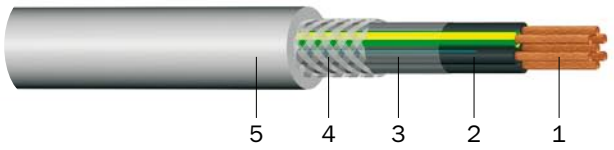
YSLCY / YSLCY intrinsically safe (SKW–Controlflex–C)

Control cable, screened
Standard: SKW standard similar to ÖVE and VDE

Application:
For the electrical interconnection of components of production facilities and machine tools if a certain level of screening is required. Limited resistant against universal mineral oil and not intended for permanent use submerged in oil. This cable is intened for indoor use and should be installed mechanically protected.



Construction:
1 Copper conductor, fine wire
2 Insulation (PVC), cores stranded in layers
3 Taping (plastic tape)
4 Braided wire screen (tinned copper wires)
5 Sheath (PVC grey RAL 7001 or blue RAL 5012 if intrinsically safe), widely oil resistant

Rated voltage: 300/500 V

Test voltage: up to 1 mm²: 1500 Veff
over 1 mm²: 2000 Veff

Temperature range:
During installation: min. +5 °C
Operating temperature: fixed –20 °C to +50 °C
moved +5 °C to +50 °C
Conductor temperature: max. +60 °C
Short circuit temperature of the conductor: max. +150 °C/5 s

Bending radius (min.): 4 x ∅ of the cable

Core identification:
black with white numbers, PE-conductor gnye (outer layer)

Flammability:
Self extinguishing (EN 50265-2-1, IEC 60332-1)

Number of cores x nominal cross section (mm²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
YSLCY–OZ						
2 x 0.5	39.00	5.6	36	45	100 R, 500 Sp	**1,463.99**
3 x 0.5	39.00	5.7	49	56	100 R, 500 Sp	1,590.01
4 x 0.5	39.00	6.3	60	68	100 R, 500 Sp	1,805.63
5 x 0.5	39.00	7.1	72	80	100 R, 500 Sp	2,031.50
7 x 0.5	39.00	7.9	89	100	100 R, 500 Sp	2,604.19
12 x 0.5	39.00	10.4	148	160	100 R, 500 Sp	4,075.42
18 x 0.5	39.00	11.9	214	228	100 R, 500 Sp	4,937.47
25 x 0.5	39.00	14.5	279	318	100 R, 500 Sp	6,520.90
2 x 0.75	26.00	5.8	43	63	100 R, 500 Sp	**1,550.25**
3 x 0.75	26.00	5.9	57	65	100 R, 500 Sp	1,800.61
4 x 0.75	26.00	6.8	70	79	100 R, 500 Sp	2,031.97
5 x 0.75	26.00	7.6	82	95	100 R, 500 Sp	2,280.71
7 x 0.75	26.00	8.2	113	120	100 R, 500 Sp	2,898.81
12 x 0.75	26.00	10.9	192	190	100 R, 500 Sp	4,841.57
18 x 0.75	26.00	12.7	268	268	100 R, 500 Sp	6,505.87
21 x 0.75	26.00	13.7	297	319	100 R, 500 Sp	7,361.92
25 x 0.75	26.00	15.2	331	377	100 R, 500 Sp	8,461.13
2 x 1	19.50	6.4	52	63	100 R, 500 Sp	**1,608.95**
3 x 1	19.50	6.5	78	76	100 R, 500 Sp	1,934.69

YSLCY / YSLCY intrinsically safe (SKW–Controlflex–C)

Number of cores x nominal cross section (mm^2)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
YSLCY–OZ						
4 x 1	19.50	7.0	89	94	100 R, 500 Sp	2,272.27
5 x 1	19.50	8.2	106	110	100 R, 500 Sp	2,622.56
7 x 1	19.50	8.9	132	141	100 R, 500 Sp	3,350.23
12 x 1	19.50	11.8	206	232	100 R, 500 Sp	5,352.47
18 x 1	19.50	14.2	316	342	100 R, 500 Sp	7,119.39
25 x 1	19.50	17.0	428	464	100 R, 500 Sp	9,093.77
34 x 1	19.50	19.1	537	604	100 R, 500 Sp	11,525.83
50 x 1	19.50	22.6	758	849	100 R, 500 Sp	16,849.99
2 x 1.5	13.30	7.7	66	97	100 R, 500 Sp	**1,968.37**
3 x 1.5	13.30	8.1	99	106	100 R, 500 Sp	2,310.78
4 x 1.5	13.30	8.9	121	131	100 R, 500 Sp	2,731.88
5 x 1.5	13.30	9.5	135	156	100 R, 500 Sp	3,158.71
7 x 1.5	13.30	10.7	227	203	100 R, 500 Sp	3,995.01
12 x 1.5	13.30	13.5	322	341	100 R, 500 Sp	6,077.48
18 x 1.5	13.30	17.1	428	490	100 R, 500 Sp	8,094.98
25 x 1.5	13.30	20.6	568	667	100 R, 500 Sp	10,393.75
34 x 1.5	13.30	23.2	784	874	100 R, 500 Sp	14,617.81
50 x 1.5	13.30	27.8	1,074	1,269	100 R, 500 Sp	20,390.28
2 x 2.5	7.98	8.5	102	161	100 R, 500 Sp	**2,910.02**
3 x 2.5	7.98	9.0	154	148	100 R, 500 Sp	3,315.89
YSLCY–JZ						
3 x 0.5	39.00	5.7	49	56	500 Sp, 1000 Sp	1,551.45
4 x 0.5	39.00	6.3	60	68	100 R, 500 Sp	**1,757.51**
5 x 0.5	39.00	7.1	72	80	500 Sp, 1000 Sp	1,963.58
7 x 0.5	39.00	7.9	89	100	500 Sp, 1000 Sp	2,513.47
10 x 0.5	39.00	10.0	124	143	500 Sp, 1000 Sp	3,682.75
12 x 0.5	39.00	10.4	148	160	500 Sp, 1000 Sp	3,866.05
14 x 0.5	39.00	11.0	171	180	500 Sp, 1000 Sp	4,142.80
16 x 0.5	39.00	11.5	192	202	500 Sp, 1000 Sp	4,508.18
21 x 0.5	39.00	12.8	241	252	500 T, 1000 T	5,569.64
25 x 0.5	39.00	14.5	279	318	500 T, 1000 T	6,145.91
30 x 0.5	39.00	15.3	309	363	500 T, 1000 T	7,164.23
34 x 0.5	39.00	16.3	355	420	500 T, 1000 T	7,987.28
40 x 0.5	39.00	17.3	402	465	500 T, 1000 T	9,578.26
50 x 0.5	39.00	19.6	515	575	500 T, 1000 T	13,019.01
61 x 0.5	39.00	20.8	620	675	500 T, 1000 T	14,789.71
3 x 0.75	26.00	5.9	57	65	100 R, 500 Sp	**1,745.54**
4 x 0.75	26.00	6.8	70	79	100 R, 500 Sp	**1,959.98**
5 x 0.75	26.00	7.6	82	95	100 R, 500 Sp	**2,191.19**
7 x 0.75	26.00	8.2	113	120	100 R, 500 Sp	**2,777.04**
8 x 0.75	26.00	9.0	121	134	500 Sp, 1000 Sp	3,422.78
10 x 0.75	26.00	10.5	135	168	500 Sp, 1000 Sp	4,124.82

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Number of cores x nominal cross section (mm^2)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
YSLCY–JZ						
12 x 0.75	26.00	10.9	192	190	500 Sp, 1000 Sp	**4,607.63**
16 x 0.75	26.00	12.1	239	241	500 Sp, 1000 Sp	5,887.12
18 x 0.75	26.00	12.7	268	268	500 T, 1000 T	6,179.45
21 x 0.75	26.00	13.7	295	319	500 T, 1000 T	6,965.35
25 x 0.75	26.00	15.2	331	377	500 T, 1000 T	**8,012.43**
34 x 0.75	26.00	17.0	426	497	500 T, 1000 T	**10,069.46**
44 x 0.75	26.00	19.2	516	600	500 T, 1000 T	13,801.32
50 x 0.75	26.00	20.6	570	695	500 T, 1000 T	15,906.27
61 x 0.75	26.00	23.0	669	720	500 T, 1000 T	18,099.86
3 x 1	19.50	6.5	78	76	100 R, 500 Sp	**1,873.72**
4 x 1	19.50	7.0	89	94	100 R, 500 Sp	**2,193.60**
5 x 1	19.50	8.2	106	110	100 R, 500 Sp	**2,513.47**
7 x 1	19.50	8.9	132	141	100 R, 500 Sp	**3,210.72**
10 x 1	19.50	11.4	174	202	500 T, 1000 T	4,608.83
12 x 1	19.50	11.8	206	232	500 T, 1000 T	**5,095.23**
14 x 1	19.50	12.4	238	259	500 T, 1000 T	5,540.90
16 x 1	19.50	13.0	270	305	500 T, 1000 T	5,764.93
18 x 1	19.50	14.2	316	342	500 T, 1000 T	**6,722.16**
21 x 1	19.50	15.0	364	386	500 T, 1000 T	7,076.77
25 x 1	19.50	17.0	428	464	500 T, 1000 T	**8,557.54**
30 x 1	19.50	17.6	489	530	500 T, 1000 T	9,686.09
34 x 1	19.50	19.1	537	604	500 T, 1000 T	**10,814.64**
50 x 1	19.50	22.6	758	849	500 T, 1000 T	15,805.63
3 x 1.5	13.30	8.1	99	106	100 R, 500 Sp	**2,234.33**
4 x 1.5	13.30	8.9	121	131	100 R, 500 Sp	**2,633.28**
5 x 1.5	13.30	9.5	135	156	100 R, 500 Sp	**3,032.22**
7 x 1.5	13.30	10.7	227	203	100 R, 500 Sp	**3,830.11**
8 x 1.5	13.30	11.7	246	227	500 T, 1000 T	4,770.56
10 x 1.5	13.30	14.0	284	310	500 T, 1000 T	5,123.99
12 x 1.5	13.30	13.5	322	341	500 T, 1000 T	**5,737.37**
14 x 1.5	13.30	15.3	357	389	500 T, 1000 T	6,428.64
16 x 1.5	13.30	16.1	390	438	500 T, 1000 T	7,163.03
18 x 1.5	13.30	17.1	428	490	500 T, 1000 T	**7,623.07**
21 x 1.5	13.30	18.1	488	553	500 T, 1000 T	8,350.28
25 x 1.5	13.30	20.6	568	667	500 T, 1000 T	**9,762.76**
32 x 1.5	13.30	22.3	736	817	500 T, 1000 T	12,886.02
34 x 1.5	13.30	23.2	784	874	500 T, 1000 T	**13,758.20**
44 x 1.5	13.30	26.5	965	1,139	500 T, 1000 T	17,116.28
50 x 1.5	13.30	27.8	1,074	1,269	500 T, 1000 T	19,140.96
61 x 1.5	13.30	29.4	1,272	1,490	500 T, 1000 T	24,185.86
3 x 2.5	7.98	9.0	154	148	500 T, 1000 T	**3,193.95**
4 x 2.5	7.98	10.7	170	190	500 T, 1000 T	**3,577.33**

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Number of cores x nominal cross section (mm^2)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
YSLCY–JZ						
5 x 2.5	7.98	11.0	208	222	500 T, 1000 T	**3,960.69**
7 x 2.5	7.98	12.8	300	298	500 T, 1000 T	**5,218.62**
10 x 2.5	7.98	16.8	442	454	500 T, 1000 T	7,788.40
12 x 2.5	7.98	17.4	537	519	500 T, 1000 T	8,146.62
18 x 2.5	7.98	20.6	820	747	500 T, 1000 T	12,443.96
50 x 2.5	7.98	32.9	2,323	1,898	500 T, 1000 T	35,466.54
3 x 4	4.95	10.9	208	207	500 T, 1000 T	5,333.64
4 x 4	4.95	12.0	248	251	500 T, 1000 T	**6,565.21**
5 x 4	4.95	13.5	288	340	500 T, 1000 T	**7,048.01**
7 x 4	4.95	14.8	378	442	500 T, 1000 T	11,868.90
4 x 6	3.30	14.3	343	384	500 T, 1000 T	**7,769.24**
5 x 6	3.30	15.7	403	472	500 T, 1000 T	**9,111.03**
7 x 6	3.30	17.3	534	604	500 T, 1000 T	11,000.33
4 x 10	1.91	20.0	535	683	500 T, 1000 T	**13,487.45**
5 x 10	1.91	22.1	635	824	500 T, 1000 T	**15,022.12**
7 x 10	1.91	24.4	882	1,079	500 T, 1000 T	17,452.92
4 x 16	1.21	22.0	800	930	500 T, 1000 T	**19,059.48**
5 x 16	1.21	26.2	960	1,203	500 T, 1000 T	**23,002.21**
7 x 16	1.21	28.8	1,370	1,587	500 T, 1000 T	31,480.68

Note: Intrinsically safe version of the sheath (blue): Listed price +25 %
Subject to technical changes. All figures are therefore without guarantee.