

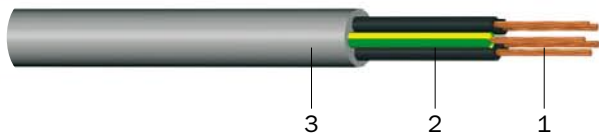
YSLY / YSLY intrinsically safe (SKW–Controlflex)

Control cable, unshielded

Standard: SKW standard similar to ÖVE und VDE

Application:

For the electrical interconnection of components of production facilities and machine tools. Limited resistant against universal mineral oil and not intended for permanent use submerged in oil. This cable is intended for indoor use and should be installed mechanically protected.



Construction:

- 1 Copper conductor, fine wire
- 2 Insulation (PVC), cores stranded in layers
- 3 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 Ø of the cable



Core identification:

black with white numbers (-OZ), with PE-conductor gnye in outer layer (-JZ), or colours (-OB)



Flammability:

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

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)
YSLY-OZ						
2 x 0.5	39.000	4.8	10.0	36	100 R, 500 Sp	492.40
3 x 0.5	39.000	5.0	15.0	42	100 R, 500 Sp	617.51
4 x 0.5	39.000	5.7	20.0	55	100 R, 500 Sp	749.65
5 x 0.5	39.000	6.2	25.0	65	100 R, 500 Sp	894.45
7 x 0.5	39.000	6.7	35.0	81	100 R, 500 Sp	1,269.10
10 x 0.5	39.000	8.8	50.0	129	500 Sp, 1000 Sp	2,279.75
12 x 0.5	39.000	9.0	60.0	142	100 R, 500 Sp	2,457.83
2 x 0.75	26.000	5.2	15.0	44	100 R, 500 Sp	523.05
3 x 0.75	26.000	5.4	22.5	53	100 R, 500 Sp	689.51
4 x 0.75	26.000	6.2	30.0	68	100 R, 500 Sp	855.26
5 x 0.75	26.000	6.8	37.5	83	100 R, 500 Sp	1,064.85
7 x 0.75	26.000	7.3	52.5	99	100 R, 500 Sp	1,431.13
10 x 0.75	26.000	9.6	75.0	165	500 Sp, 1000 Sp	2,355.01
12 x 0.75	26.000	9.9	90.0	183	500 Sp, 1000 Sp	2,619.85
2 x 1	19.500	5.5	20.0	51	100 R, 500 Sp	596.62
3 x 1	19.500	5.9	30.0	64	100 R, 500 Sp	794.08
4 x 1	19.500	6.5	40.0	80	100 R, 500 Sp	986.93
5 x 1	19.500	7.2	50.0	99	100 R, 500 Sp	1,209.79
7 x 1	19.500	8.0	70.0	127	100 R, 500 Sp	1,725.05

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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)
YSLY-OZ						
2 x 1.5	13.300	6.3	30.0	69	100 R, 500 Sp	718.49
3 x 1.5	13.300	6.6	45.0	84	100 R, 500 Sp	975.41
4 x 1.5	13.300	7.3	60.0	105	100 R, 500 Sp	1,251.43
5 x 1.5	13.300	8.2	75.0	132	100 R, 500 Sp	1,544.54
7 x 1.5	13.300	8.9	8.9	105	100 R, 500 Sp	2,063.76
2 x 2.5	7.980	7.6	50.0	106	100 R, 500 Sp	1,195.64
3 x 2.5	7.980	8.1	75.0	132	100 R, 500 Sp	1,372.95
7 x 2.5	7.980	11.2	175.0	273	100 R, 500 Sp	2,901.63
2 x 4	4.950	9.0	80.0	138	100 R, 500 Sp	2,166.23
2 x 6	3.300	10.7	120.0	212	100 R, 500 Sp	3,273.19
YSLY-JZ						
3 x 0.5	39.000	5.0	15.0	42	100 R, 500 Sp	561.38
4 x 0.5	39.000	5.7	20.0	55	100 R, 500 Sp	681.46
5 x 0.5	39.000	6.2	25.0	65	100 R, 500 Sp	813.15
7 x 0.5	39.000	6.7	35.0	81	100 R, 500 Sp	1,153.70
10 x 0.5	39.000	8.8	50.0	129	500 Sp, 1000 Sp	2,072.60
12 x 0.5	39.000	9.0	60.0	142	100 R, 500 Sp	2,234.33
14 x 0.5	39.000	9.5	70.0	158	500 Sp, 1000 Sp	2,484.71
16 x 0.5	39.000	10.0	80.0	176	500 Sp, 1000 Sp	3,005.85
18 x 0.5	39.000	10.7	90.0	202	500 Sp, 1000 Sp	3,143.64
21 x 0.5	39.000	11.3	105.0	229	500 T, 1000 T	3,674.36
25 x 0.5	39.000	12.9	125.0	284	500 T, 1000 T	4,444.70
30 x 0.5	39.000	13.5	150.0	330	500 T, 1000 T	4,829.27
34 x 0.5	39.000	14.5	170.0	375	500 T, 1000 T	5,480.99
40 x 0.5	39.000	15.0	200.0	410	500 T, 1000 T	6,100.38
50 x 0.5	39.000	17.0	250.0	520	500 T, 1000 T	8,598.28
61 x 0.5	39.000	19.5	305.0	620	500 T, 1000 T	10,170.08
3 x 0.75	26.000	5.4	22.5	53	100 R, 500 Sp	626.79
4 x 0.75	26.000	6.2	30.0	68	100 R, 500 Sp	777.51
5 x 0.75	26.000	6.8	37.5	83	100 R, 500 Sp	968.00
6 x 0.75	26.000	7.0	45.0	99	500 Sp, 1000 Sp	1,145.32
7 x 0.75	26.000	7.3	52.5	104	100 R, 500 Sp	1,301.07
10 x 0.75	26.000	9.6	75.0	165	500 Sp, 1000 Sp	2,140.88
12 x 0.75	26.000	9.9	90.0	183	100 R, 500 Sp	2,381.68
16 x 0.75	26.000	11.4	120.0	240	500 T, 1000 T	3,026.23
18 x 0.75	26.000	11.9	135.0	267	500 T, 1000 T	3,263.44
21 x 0.75	26.000	12.8	157.5	303	500 T, 1000 T	4,118.84
25 x 0.75	26.000	14.3	187.5	376	500 T, 1000 T	4,705.87
34 x 0.75	26.000	16.3	255.0	496	500 T, 1000 T	6,046.47
41 x 0.75	26.000	18.3	307.5	620	500 T, 1000 T	8,553.95
50 x 0.75	26.000	19.2	375.0	698	500 T, 1000 T	10,352.19
61 x 0.75	26.000	20.5	457.5	790	500 T, 1000 T	12,053.40

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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)
YSLY-JZ						
80 x 0.75	26.000	23.0	600.0	1,000	500 T, 1000 T	16,275.26
3 x 1	19.500	5.9	30.0	64	100 R, 500 Sp	721.94
4 x 1	19.500	6.5	40.0	80	100 R, 500 Sp	897.19
5 x 1	19.500	7.2	50.0	99	100 R, 500 Sp	1,099.80
7 x 1	19.500	8.0	70.0	127	100 R, 500 Sp	1,568.22
10 x 1	19.500	11.5	100.0	200	500 T, 1000 T	2,479.94
12 x 1	19.500	10.8	120.0	223	500 T, 1000 T	2,672.81
14 x 1	19.500	11.3	140.0	249	500 T, 1000 T	3,077.74
16 x 1	19.500	12.0	160.0	286	500 T, 1000 T	3,540.18
18 x 1	19.500	12.7	180.0	316	500 T, 1000 T	4,001.43
21 x 1	19.500	13.6	210.0	369	500 T, 1000 T	4,848.43
25 x 1	19.500	14.5	250.0	456	500 T, 1000 T	5,415.10
30 x 1	19.500	16.4	300.0	530	500 T, 1000 T	6,227.37
34 x 1	19.500	17.4	340.0	591	500 T, 1000 T	7,177.41
50 x 1	19.500	20.9	500.0	855	500 T, 1000 T	10,746.35
61 x 1	19.500	24.0	610.0	1,050	500 T, 1000 T	12,838.11
3 x 1.5	13.300	6.6	45.0	84	100 R, 500 Sp	886.73
4 x 1.5	13.300	7.3	60.0	105	100 R, 500 Sp	1,137.68
5 x 1.5	13.300	8.2	75.0	132	100 R, 500 Sp	1,404.10
6 x 1.5	13.300	8.5	90.0	158	500 Sp, 1000 Sp	1,729.96
7 x 1.5	13.300	8.9	105.0	168	500 T, 1000 T	1,876.12
10 x 1.5	13.300	11.6	150.0	263	500 T, 1000 T	2,969.92
12 x 1.5	13.300	12.0	180.0	294	500 T, 1000 T	3,431.17
14 x 1.5	13.300	12.8	210.0	336	500 T, 1000 T	4,157.17
16 x 1.5	13.300	13.5	240.0	377	500 T, 1000 T	4,535.75
18 x 1.5	13.300	14.4	270.0	426	500 T, 1000 T	4,944.28
21 x 1.5	13.300	15.2	315.0	488	500 T, 1000 T	6,262.11
25 x 1.5	13.300	17.5	375.0	612	500 T, 1000 T	6,431.03
32 x 1.5	13.300	18.5	480.0	700	500 T, 1000 T	8,733.53
34 x 1.5	13.300	19.7	510.0	795	500 T, 1000 T	9,097.86
42 x 1.5	13.300	22.2	630.0	999	500 T, 1000 T	11,080.59
50 x 1.5	13.300	23.6	750.0	1,148	500 T, 1000 T	13,712.67
61 x 1.5	13.300	27.0	915.0	1,450	500 T, 1000 T	16,258.49
3 x 2.5	7.980	8.1	75.0	132	100 R, 500 Sp	1,372.95
4 x 2.5	7.980	9.0	100.0	167	100 R, 500 Sp	1,681.47
5 x 2.5	7.980	10.1	125.0	211	100 R, 500 Sp	2,125.68
7 x 2.5	7.980	11.2	175.0	273	500 T, 1000 T	2,901.63
10 x 2.5	7.980	14.4	250.0	417	500 T, 1000 T	4,889.17
12 x 2.5	7.980	15.1	300.0	475	500 T, 1000 T	5,454.63
16 x 2.5	7.980	17.1	400.0	617	500 T, 1000 T	7,196.58
18 x 2.5	7.980	18.0	450.0	688	500 T, 1000 T	8,332.31
25 x 2.5	7.980	22.1	625.0	993	500 T, 1000 T	11,395.68

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YSLY-JZ						
34 x 2.5	7.980	30.0	850.0	1,384	500 T, 1000 T	15,225.78
50 x 2.5	7.980	32.5	1,250.0	1,860	500 T, 1000 T	23,748.58
3 x 4	4.950	9.9	120.0	205	500 T, 1000 T	2,652.44
4 x 4	4.950	11.2	160.0	263	500 T, 1000 T	2,874.08
5 x 4	4.950	12.6	200.0	332	500 T, 1000 T	3,618.06
7 x 4	4.950	13.7	280.0	422	500 T, 1000 T	4,986.20
3 x 6	3.300	11.2	180.0	278	500 T, 1000 T	3,631.24
4 x 6	3.300	12.6	240.0	358	500 T, 1000 T	4,076.90
5 x 6	3.300	14.1	300.0	453	500 T, 1000 T	4,829.27
7 x 6	3.300	15.6	420.0	587	500 T, 1000 T	7,167.82
4 x 10	1.910	16.5	400.0	620	500 T, 1000 T	7,131.88
5 x 10	1.910	18.4	500.0	778	500 T, 1000 T	11,254.31
7 x 10	1.910	20.1	700.0	1,001	500 T, 1000 T	13,356.85
4 x 16	1.210	19.6	640.0	938	500 T, 1000 T	10,419.29
5 x 16	1.210	21.9	800.0	1,178	500 T, 1000 T	14,451.85
7 x 16	1.210	23.9	1,120.0	1,518	500 T, 1000 T	19,487.18
4 x 25	0.780	27.0	1,000.0	1,590	500 T, 1000 T	17,487.67
5 x 25	0.780	30.0	1,250.0	2,000	500 T, 1000 T	23,717.43
7 x 25	0.780	38.0	1,750.0	2,560	500 T, 1000 T	32,213.87
4 x 35	0.554	29.0	1,400.0	2,110	500 T, 1000 T	24,142.74
5 x 35	0.554	33.0	1,750.0	2,635	500 T, 1000 T	30,908.02
4 x 50	0.368	35.0	2,000.0	2,950	500 T, 1000 T	35,801.98
4 x 70	0.272	40.0	2,800.0	4,254	500 T, 1000 T	49,642.85
YSLY-OB						
2 x 1	19.500	5.5	20.0	51	100 R, 500 Sp	596.62
3 x 1	19.500	5.9	30.0	64	100 R, 500 Sp	721.94
4 x 1	19.500	6.5	40.0	80	100 R, 500 Sp	897.18
5 x 1	19.500	7.2	50.0	99	100 R, 500 Sp	1,209.78
2 x 1.5	19.500	5.5	20.0	51	100 R, 500 Sp	718.49
3 x 1.5	13.300	6.6	45.0	84	100 R, 500 Sp	975.41
4 x 1.5	13.300	7.3	60.0	105	100 R, 500 Sp	1,251.43
5 x 1.5	13.300	8.2	75.0	132	100 R, 500 Sp	1,544.54
3 x 2.5	7.980	8.1	75.0	132	100 R, 500 Sp	1,372.95

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