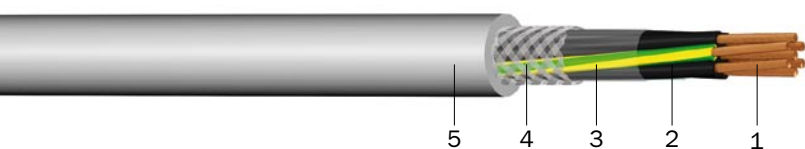


YSLCY (Controflex–C)

Control cable, screened

DESIGN



- 1 | Copper conductor, fine wire (–F)
- 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

APPLICATION

For the electrical connection of components of production machines and machine tools if a certain level 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.

TECHNICAL DATA



Standard:
SKW – internal standard



Rated voltage:
300/500 V



Test voltage:
2 kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature:
 – fixed: –50 °C to +70 °C
 – in motion: –5 °C to +70 °C
 conductor temperature: max. +70 °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 60332-1-2

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
YSLCY (Controflex–C)				
2 X 0.5	39.000	5.8	50	100 R, 500 Sp
3 G 0.5	39.000	6.1	60	500 Sp, 1,000 Sp
4 G 0.5	39.000	6.7	70	100 R, 500 Sp
5 G 0.5	39.000	7.3	80	500 Sp, 1,000 Sp
7 G 0.5	39.000	7.9	100	500 Sp, 1,000 Sp
10 G 0.5	39.000	10.0	145	500 Sp, 1,000 Sp
12 G 0.5	39.000	10.4	160	500 Sp, 1,000 Sp
14 G 0.5	39.000	11.0	180	500 Sp, 1,000 Sp
16 G 0.5	39.000	11.5	205	500 Sp, 1,000 Sp
21 G 0.5	39.000	12.8	255	500 D, 1,000 D
25 G 0.5	39.000	14.5	320	500 D, 1,000 D
30 G 0.5	39.000	15.3	365	500 D, 1,000 D
34 G 0.5	39.000	16.3	420	500 D, 1,000 D
40 G 0.5	39.000	17.3	465	500 D, 1,000 D
50 G 0.5	39.000	19.6	575	500 D, 1,000 D
61 G 0.5	39.000	20.8	675	500 D, 1,000 D

YSLCY (Controlflex-C)

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
YSLCY (Controlflex-C)				
2 X 0.75	26.000	6.0	55	100 R, 500 Sp
3 G 0.75	26.000	7.0	65	100 R, 500 Sp
4 G 0.75	26.000	7.3	80	100 R, 500 Sp
5 G 0.75	26.000	7.6	95	100 R, 500 Sp
7 G 0.75	26.000	8.2	120	100 R, 500 Sp
8 G 0.75	26.000	9.0	135	500 Sp, 1,000 Sp
10 G 0.75	26.000	10.5	170	500 Sp, 1,000 Sp
12 G 0.75	26.000	10.9	190	500 Sp, 1,000 Sp
16 G 0.75	26.000	12.1	245	500 Sp, 1,000 Sp
18 G 0.75	26.000	12.7	270	500 D, 1,000 D
21 G 0.75	26.000	13.7	320	500 D, 1,000 D
25 G 0.75	26.000	15.2	380	500 D, 1,000 D
34 G 0.75	26.000	17.0	500	500 D, 1,000 D
44 G 0.75	26.000	19.2	600	500 D, 1,000 D
50 G 0.75	26.000	20.6	695	500 D, 1,000 D
61 G 0.75	26.000	23.0	720	500 D, 1,000 D
2 X 1	19.500	6.5	65	100 R, 500 Sp
3 G 1	19.500	6.9	80	100 R, 500 Sp
4 G 1	19.500	7.5	95	100 R, 500 Sp
5 G 1	19.500	8.2	110	100 R, 500 Sp
7 G 1	19.500	8.9	145	100 R, 500 Sp
10 G 1	19.500	11.4	205	500 D, 1,000 D
12 G 1	19.500	11.8	235	500 D, 1,000 D
14 G 1	19.500	12.4	260	500 D, 1,000 D
16 G 1	19.500	13.0	305	500 D, 1,000 D
18 G 1	19.500	14.2	345	500 D, 1,000 D
21 G 1	19.500	15.0	390	500 D, 1,000 D
25 G 1	19.500	17.0	465	500 D, 1,000 D
30 G 1	19.500	17.6	530	500 D, 1,000 D
34 G 1	19.500	19.1	605	500 D, 1,000 D
50 G 1	19.500	22.6	850	500 D, 1,000 D
2 X 1.5	13.300	7.7	90	100 R, 500 Sp
3 G 1.5	13.300	8.1	110	100 R, 500 Sp
4 G 1.5	13.300	8.9	135	100 R, 500 Sp
5 G 1.5	13.300	9.5	160	100 R, 500 Sp
7 G 1.5	13.300	10.7	205	100 R, 500 Sp
8 G 1.5	13.300	11.7	230	500 D, 1,000 D
10 G 1.5	13.300	12.8	310	500 D, 1,000 D
12 G 1.5	13.300	13.5	345	500 D, 1,000 D
14 G 1.5	13.300	15.3	390	500 D, 1,000 D
16 G 1.5	13.300	16.1	440	500 D, 1,000 D
18 G 1.5	13.300	17.1	490	500 D, 1,000 D



YSLCY (Controlflex-C)

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
YSLCY (Controlflex-C)				
21 G 1.5	13.300	18.1	555	500 D, 1,000 D
25 G 1.5	13.300	20.6	670	500 D, 1,000 D
32 G 1.5	13.300	22.3	820	500 D, 1,000 D
34 G 1.5	13.300	23.2	875	500 D, 1,000 D
44 G 1.5	13.300	26.5	1,140	500 D, 1,000 D
50 G 1.5	13.300	27.8	1,270	500 D, 1,000 D
61 G 1.5	13.300	29.4	1,490	500 D, 1,000 D
2 X 2.5	7.980	8.5	125	100 R, 500 Sp
3 G 2.5	7.980	9.0	150	500 D, 1,000 D
4 G 2.5	7.980	10.7	190	500 D, 1,000 D
5 G 2.5	7.980	11.0	225	500 D, 1,000 D
7 G 2.5	7.980	12.8	300	500 D, 1,000 D
10 G 2.5	7.980	16.8	455	500 D, 1,000 D
12 G 2.5	7.980	17.4	520	500 D, 1,000 D
18 G 2.5	7.980	20.6	750	500 D, 1,000 D
50 G 2.5	7.980	32.9	1,900	500 D, 1,000 D
3 G 4	4.950	10.9	210	500 D, 1,000 D
4 G 4	4.950	12.0	255	500 D, 1,000 D
5 G 4	4.950	13.5	340	500 D, 1,000 D
7 G 4	4.950	14.8	445	500 D, 1,000 D
4 G 6	3.300	14.3	385	500 D, 1,000 D
5 G 6	3.300	15.7	475	500 D, 1,000 D
7 G 6	3.300	17.3	605	500 D, 1,000 D
4 G 10	1.910	20.0	685	500 D, 1,000 D
5 G 10	1.910	22.1	825	500 D, 1,000 D
7 G 10	1.910	24.4	1,080	500 D, 1,000 D
4 G 16	1.210	22.0	930	500 D, 1,000 D
5 G 16	1.210	26.2	1,210	500 D, 1,000 D
7 G 16	1.210	28.8	1,590	500 D, 1,000 D

Subject to technical changes.