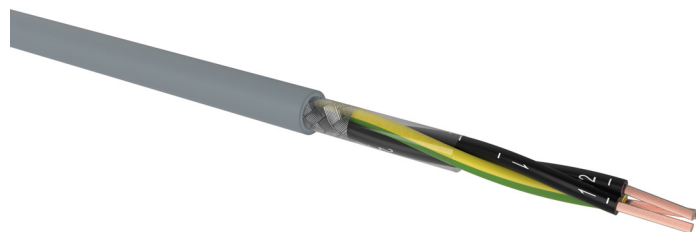


YSLCY-JZ or -OZ

PVC control cable, screened

DESIGN



- 1 | Copper conductor, fine wire
- 2 | Core insulation (PVC), cores stranded in layers
- 3 | Inner covering (plastic tape)
- 4 | Screen (braided screen, tinned copper wires)
- 5 | Sheath (PVC grey RAL 7001 or blue RAL 5012 for intrinsically safe installation, conditional oil resistant)

APPLICATION

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 installed with mechanical protection.

TECHNICAL DATA



Standard:
based on VDE 0281



Rated voltage:
300/500 V (U₀/U)



Test voltage:
4 kV / 50 Hz



Temperature range:
laying temperature: min. 5 °C
fixed: -20 °C up to 50 °C
moved: 5 °C up to 50 °C
conductor temperature: max. 60 °C
short circuit temperature: max. 150 °C/5 s



Bending radius (min.):
4 x Ø of cable (fixed installed)
15 x Ø of cable (free motion)



Core identification:
black with number printing, with one core green-yellow (JZ), without (OZ)



Fire properties:
EN 60332-1-2: self-extinguishing and flame retardant
CPR classification: E_{ca}

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
YSLCY-JZ or -OZ				
2 x 0.5	39	5.4	41	500 Sp, 1000 Sp
3 x 0.5	39	5.7	50	500 Sp, 1000 Sp
4 x 0.5	39	6.1	59	500 Sp, 1000 Sp
5 x 0.5	39	6.6	72	500 Sp, 1000 Sp
7 x 0.5	39	7.1	85	500 Sp, 1000 Sp
10 x 0.5	39	9.1	123	500 Sp, 1000 Sp
12 x 0.5	39	9.4	138	500 Sp, 1000 Sp
14 x 0.5	39	10.0	159	500 Sp, 1000 Sp
16 x 0.5	39	10.5	175	500 Sp, 1000 Sp
21 x 0.5	39	12.5	230	500 D, 1000 D
25 x 0.5	39	13.2	260	500 D, 1000 D
30 x 0.5	39	15.3	363	500 D, 1000 D
34 x 0.5	39	16.3	420	500 D, 1000 D
40 x 0.5	39	17.3	465	500 D, 1000 D
50 x 0.5	39	19.6	575	500 D, 1000 D
61 x 0.5	39	20.8	675	500 D, 1000 D
2 x 0.75	26	6.0	53	500 D, 1000 D
3 x 0.75	26	6.1	60	500 Sp, 1000 Sp

YSLCY-JZ or -OZ

PVC control cable, screened

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
YSLCY-JZ or -OZ				
4 x 0.75	26	6.6	73	500 Sp, 1000 Sp
5 x 0.75	26	7.6	95	500 D, 1000 D
7 x 0.75	26	7.9	110	500 Sp, 1000 Sp
8 x 0.75	26	8.8	138	500 Sp, 1000 Sp
10 x 0.75	26	10.0	155	500 Sp, 1000 Sp
12 x 0.75	26	10.3	175	500 D, 1000 D
16 x 0.75	26	11.5	220	500 Sp, 1000 Sp
21 x 0.75	26	13.6	290	500 D, 1000 D
25 x 0.75	26	14.4	325	500 D, 1000 D
44 x 0.75	26	19.2	600	500 D, 1000 D
50 x 0.75	26	20.6	695	500 D, 1000 D
61 x 0.75	26	23.0	720	500 D, 1000 D
2 x 1	19.5	6.3	56	500 D, 1000 D
3 x 1	19.5	6.6	70	500 D, 1000 D
4 x 1	19.5	7.2	85	500 D, 1000 D
5 x 1	19.5	8.0	105	500 D, 1000 D
7 x 1	19.5	8.7	130	500 D, 1000 D
11 x 1	19.5	11.0	190	500 D, 1000 D
12 x 1	19.5	11.3	215	500 D, 1000 D
14 x 1	19.5	12.2	250	500 D, 1000 D
16 x 1	19.5	12.8	280	500 D, 1000 D
18 x 1	19.5	13.5	315	500 D, 1000 D
21 x 1	19.5	15.0	360	500 D, 1000 D
25 x 1	19.5	16.0	410	500 D, 1000 D
30 x 1	19.5	17.6	530	500 D, 1000 D
34 x 1	19.5	19.1	604	500 D, 1000 D
50 x 1	19.5	22.6	849	500 D, 1000 D
2 x 1.5	13.3	6.7	67	500 D, 1000 D
3 x 1.5	13.3	7.0	85	500 D, 1000 D
4 x 1.5	13.3	7.9	106	500 D, 1000 D
5 x 1.5	13.3	8.6	130	500 D, 1000 D
7 x 1.5	13.3	9.2	165	500 D, 1000 D
8 x 1.5	13.3	10.5	215	500 D, 1000 D
10 x 1.5	13.3	12.1	245	500 D, 1000 D
12 x 1.5	13.3	12.5	280	500 D, 1000 D
14 x 1.5	13.3	13.1	315	500 D, 1000 D
16 x 1.5	13.3	13.8	350	500 D, 1000 D
18 x 1.5	13.3	14.5	395	500 D, 1000 D
21 x 1.5	13.3	15.6	440	500 D, 1000 D
25 x 1.5	13.3	16.7	510	500 D, 1000 D
32 x 1.5	13.3	22.3	817	500 D, 1000 D

YSLCY-JZ or -OZ

PVC control cable, screened

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/ packing (m)
YSLCY-JZ or -OZ				
34 x 1.5	13.3	23.3	874	500 D, 1000 D
44 x 1.5	13.3	26.5	1139	500 D, 1000 D
50 x 1.5	13.3	27.8	1269	500 D, 1000 D
61 x 1.5	13.3	29.4	1490	500 D, 1000 D
2 x 2.5	7.98	7.9	95	500 D, 1000 D
3 x 2.5	7.98	8.4	125	500 D, 1000 D
4 x 2.5	7.98	9.1	155	500 D, 1000 D
5 x 2.5	7.98	10.1	190	500 D, 1000 D
7 x 2.5	7.98	11.0	245	500 D, 1000 D
10 x 2.5	7.98	14.1	350	500 D, 1000 D
12 x 2.5	7.98	14.6	405	500 D, 1000 D
18 x 2.5	7.98	18.2	570	500 D, 1000 D
50 x 2.5	7.98	32.9	1898	500 D, 1000 D
3 x 4	4.95	9.9	175	500 D, 1000 D
4 x 4	4.95	10.8	220	500 D, 1000 D
5 x 4	4.95	11.7	270	500 D, 1000 D
7 x 4	4.95	14.8	440	500 D, 1000 D
2 x 6	3.3	10.5	180	500 D, 1000 D
4 x 6	3.3	12.5	310	500 D, 1000 D
5 x 6	3.3	13.6	385	500 D, 1000 D
7 x 6	3.3	17.3	604	500 D, 1000 D
4 x 10	1.91	16.3	523	500 D, 1000 D
5 x 10	1.91	17.9	637	500 D, 1000 D
7 x 10	1.91	24.4	1079	500 D, 1000 D
4 x 16	1.21	23.5	954	500 D, 1000 D
5 x 16	1.21	26.2	1217	500 D, 1000 D
7 x 16	1.21	28.8	1587	500 D, 1000 D
4 x 25	0.78	23.0	1128	500 D, 1000 D
5 x 25	0.78	25.4	1384	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

30.8.2022, 15:28