

# YSLY

## Flexible, control cable, number coded cores



### Cable structure

- Stranded bare copper conductor according to DIN VDE 0295, IEC 60228 cl. 5
- Core insulation of special PVC
- Black cores with repeated white numbering according to DIN VDE 0293
- Cores stranded in layers with optimal lay-length
- Green-yellow earth core in the outer layer, from 3 cores above
- Outer sheath of special PVC color grey
- Extensively oil resistant
- PVC self-extinguishing and flame resistant, cl. B according to VDE 0472 part 804 and IEC 60332-1

### Technical data

- Control PVC cable, requirements adapted to DIN VDE 0245, 0281, 0293
- Temperature range flexing from -5°C to +70°C; fixed from -40°C to +70°C
- Nominal voltage U<sub>0</sub>/U 300/500 V
- Test voltage a.c. 50 Hz 3000 V
- Spark test 6000 V
- Insulation resistance min. 20 MΩ x km
- Minimum bending radius approx. 7,5 x cable diameter
- Radiation resistance up to 80 x 10<sup>6</sup> cJ/kg (up to 80 Mrad)

### Application

YSLY flexible cables are used for medium mechanical stress but tensile stress must be avoided. These cables are suitable for dry, moist and wet areas, but are not designed for open-air application. These cables are applicable in measuring and controlling technics, production lines, airconditioning etc. The cores are numbered in such way that they are still recognizable even after a small part of the outer sheath is removed. The numbered codes are underlined to avoid possible confusion.

### Note:

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.

OZ = version without green-yellow earth core

JZ = version with green-yellow earth core

OZ version with multiple cores available on request

### Table

Ordering code	Number of cores	× core cross-section [mm <sup>2</sup> ]	Approx. outer ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0110001 OZ	2	× 0,5	5,0	9,6	40
0110002	3	× 0,5	5,3	14,4	46
0110004	4	× 0,5	5,8	19,2	51
0110006	5	× 0,5	6,6	24,0	66
0110009	7	× 0,5	7,4	34,0	78
0110011	8	× 0,5	8,3	38,0	96
0110012	10	× 0,5	9,0	48,0	116
0110013	12	× 0,5	9,9	58,0	134
0110015	14	× 0,5	10,6	67,0	149
0110016	18	× 0,5	11,8	86,0	195

0110018	21 × 0,5	13,5	96,0	239
0110019	25 × 0,5	14,6	120,0	270
0110020	30 × 0,5	15,1	144,0	309
0110022	34 × 0,5	16,8	163,0	360
0110023	40 × 0,5	17,4	192,0	430
0110025	50 × 0,5	19,5	240,0	510
0110026	61 × 0,5	21,2	293,0	620
0110028	80 × 0,5	23,3	384,0	765
0110029	100 × 0,5	27,0	480,0	970
0110030 OZ	2 × 0,75	5,5	14,4	46
0110031	3 × 0,75	5,8	21,6	54
0110033	4 × 0,75	6,6	29,0	66
0110035	5 × 0,75	7,5	36,0	80
0110038	7 × 0,75	8,1	50,0	110
0110040	8 × 0,75	9,0	58,0	130
0110041	9 × 0,75	9,8	65,0	152
0110042	10 × 0,75	10,7	72,0	162
0110043	12 × 0,75	10,2	86,0	176
0110045	14 × 0,75	10,9	101,0	214
0110046	15 × 0,75	11,5	108,0	218
0110047	18 × 0,75	12,0	130,0	257
0110533	19 × 0,75	12,3	137,0	270
0110048	20 × 0,75	12,8	144,0	286
0110049	21 × 0,75	14,3	151,0	320
0110050	25 × 0,75	16,7	180,0	365
0110052	34 × 0,75	18,5	245,0	512
0110054	41 × 0,75	19,0	296,0	604
0110055	42 × 0,75	19,2	302,0	612
0110056	50 × 0,75	20,5	360,0	740
0110057	61 × 0,75	21,5	439,0	846
0110178	65 × 0,75	22,1	468,0	890
0110058	80 × 0,75	24,9	576,0	1075
0110059	100 × 0,75	26,0	720,0	1330
0110060 OZ	2 × 1	5,8	19,2	53
0110061	3 × 1	6,3	29,0	67
0110063	4 × 1	6,9	38,4	81
0110065	5 × 1	7,8	48,0	103
0110067	6 × 1	8,6	58,0	120
0110068	7 × 1	8,7	67,0	133
0110070	8 × 1	9,5	77,0	170
0110071	9 × 1	10,3	86,0	199
0110180	10 × 1	11,4	96,0	215
0110072	12 × 1	11,7	115,0	225
0110074	14 × 1	12,6	134,0	270
0110076	18 × 1	14,3	173,0	344
0110077	20 × 1	15,0	192,0	370
0110179	21 × 1	15,8	205,0	384
0110078	25 × 1	17,5	240,0	500
0110079	34 × 1	19,5	326,0	634
0110082	41 × 1	21,4	394,0	770
0110083	42 × 1	22,1	403,0	776
0110084	50 × 1	23,2	480,0	910
0110086	61 × 1	24,8	586,0	1052
0110087	65 × 1	25,5	628,0	1172
0110088	80 × 1	27,7	786,0	1294
0110089	100 × 1	31,1	960,0	1645
0110090 OZ	2 × 1,5	6,6	29,0	70
0110091	3 × 1,5	7,0	43,0	86
0110093	4 × 1,5	7,9	58,0	109
0110095	5 × 1,5	8,8	72,0	138
0110098	7 × 1,5	9,8	101,0	150

0110100	8 × 1,5	11,6	115,0	178
0110101	9 × 1,5	13,0	129,0	216
0110181	10 × 1,5	12,7	144,0	255
0110103	12 × 1,5	13,6	173,0	257
0110105	14 × 1,5	13,8	202,0	305
0110107	18 × 1,5	16,4	259,0	345
0110108	20 × 1,5	16,5	288,0	430
0110109	21 × 1,5	17,2	302,0	529
0110110	25 × 1,5	19,4	360,0	620
0110111	32 × 1,5	20,8	461,0	780
0110112	34 × 1,5	21,6	490,0	820
0110113	41 × 1,5	23,6	591,0	970
0110114	42 × 1,5	23,8	605,0	1002
0110115	50 × 1,5	25,8	720,0	1201
0110117	61 × 1,5	28,5	878,0	1433
0110187	65 × 1,5	29,4	936,0	1575
0110118	80 × 1,5	32,6	1152,0	1870
0110119	100 × 1,5	37,5	1440,0	2350
0110120 OZ	2 × 2,5	8,3	48,0	112
0110121	3 × 2,5	8,8	72,0	132
0110123	4 × 2,5	9,8	96,0	172
0110125	5 × 2,5	11,0	120,0	216
0110127	7 × 2,5	13,4	168,0	272
0110130	12 × 2,5	16,9	288,0	504
0110131	14 × 2,5	17,0	336,0	569
0110132	18 × 2,5	19,8	432,0	704
0110134	25 × 2,5	24,0	600,0	1014
0110135	34 × 2,5	27,8	816,0	1470
0110140 OZ	2 × 4	10,7	115,2	214
0110141	3 × 4	11,0	133,0	254
0110142	4 × 4	12,6	154,0	292
0110143	5 × 4	13,8	192,0	352
0110144	7 × 4	15,0	269,0	445
0110146	12 × 4	19,6	461,0	790
0110147	3 × 6	13,8	173,0	355
0110148	4 × 6	14,0	230,0	389
0110149	5 × 6	15,3	288,0	473
0110150	7 × 6	17,3	403,0	625
0110152	4 × 10	17,6	384,0	647
0110153	5 × 10	19,3	480,0	790
0110154	7 × 10	22,6	672,0	1091
0110155	4 × 16	21,6	614,0	991
0110156	5 × 16	24,2	768,0	1237
0110157	7 × 16	27,3	1075,0	1779
0110158	4 × 25	28,7	960,0	1580
0110159	5 × 25	32,0	1200,0	1910
0110160	7 × 25	35,7	1680,0	2830
0110161	4 × 35	31,3	1344,0	2106
0110162	5 × 35	36,8	1680,0	2600
0110163	4 × 50	35,8	1920,0	2930
0110164	4 × 70	43,0	2688,0	4085
0110165	4 × 95	51,2	3648,0	5530
0110166	4 × 120	60,2	4608,0	7000