

**YSLCY-JZ 300/500 V, YSLCY-OZ 300/500 V,
YSLCY-JB 300/500 V, YSLCY-OB 300/500 V**

CONTROL AND POWER SUPPLY FLEXIBLE CABLES



APPLICATIONS

YSLCY-JZ 300/500 V, YSLCY-OZ 300/500 V, YSLCY-JB 300/500 V and YSLCY-OB 300/500 V are flexible, overall shielded cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:
 - YSLCY-OZ 300/500 V** - black and white conductor number printed on it,
 - YSLCY-OB 300/500 V** - colours in accordance with PN-HD 308 standard,
 - green-yellow protective conductor located in the outer layer in **YSLCY-JZ 300/500 V** and **YSLCY-JB 300/500 V** cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

YSLCY-JZ OR 300/500 V, YSLCY-OZ OR 300/500 V, YSLCY-JB OR 300/500 V i YSLCY-OB OR 300/500 V - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V, HSLCH-JB 300/500 V i HSLCH-OB 300/500 V - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

YSLCY-JZ 300/500 V, YSLCY-OZ 300/500 V, YSLCY-JB 300/500 V, YSLCY-OB 300/500 V

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5	4.0
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95
Conductor cross-section	mm ²	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage U _{o/U}	300/500 V	Operating temperature range	
Voltage test	3.0 kV rms	for fixed installation	from - 40 to + 80°C
Insulation resistance, minimum	20 MΩ·km	for movable installation	from - 5 to + 70°C
Conductor temperature limit		Minimum bending radius	10 x cable diameter
in work conditions	+ 70°C	Cable combustibility	flame retardant
at short-circuit	+ 150°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	WT-TK-50

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
YSLCY-JZ 300/500 V				
1771 001	2x0,5	5.3	17.6	37
1771 002	3x0,5	5.6	22.5	44
1771 003	4x0,5	6.2	28.9	56
1771 004	5x0,5	6.7	33.7	66
1771 005	6x0,5	7.2	39.4	77
1771 006	7x0,5	7.2	44.2	80
1771 007	8x0,5	7.7	50.0	92
1771 008	10x0,5	9.1	65.9	117
1771 009	12x0,5	9.4	76.6	132
1771 010	14x0,5	9.8	87.0	147
1771 011	16x0,5	10.3	98.5	165
1771 012	18x0,5	10.8	108.7	182
1771 013	20x0,5	11.3	119.6	201
1771 014	21x0,5	11.3	124.4	203
1771 015	27x0,5	12.9	156.8	254
1771 016	30x0,5	13.3	172.3	275
1771 017	36x0,5	14.3	203.7	324
1771 018	40x0,5	14.8	224.1	352
1771 019	44x0,5	16.2	253.3	396
1771 020	48x0,5	16.5	273.8	424
1771 021	52x0,5	16.9	293.9	452
1771 022	56x0,5	17.4	314.7	483
1771 023	61x0,5	17.9	340.2	517
1771 024	2x0,75	5.7	22.5	43
1771 025	3x0,75	6.1	30.0	55
1771 026	4x0,75	6.6	38.5	67
1771 027	5x0,75	7.1	46.4	80
1771 028	6x0,75	7.7	54.8	95
1771 029	7x0,75	7.7	62.0	99
1771 030	8x0,75	8.3	74.0	117
1771 031	10x0,75	9.8	91.8	144
1771 032	12x0,75	10.1	106.9	163
1771 033	14x0,75	10.6	122.6	183
1771 034	16x0,75	11.1	138.3	206
1771 035	18x0,75	11.7	154.2	229
1771 036	20x0,75	12.4	169.9	258

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1771 037	21x0,75	12.4	177.1	262
1771 038	27x0,75	14.0	224.5	322
1771 039	30x0,75	14.4	247.1	350
1771 040	36x0,75	15.8	300.1	427
1771 041	40x0,75	16.4	330.8	465
1771 042	44x0,75	17.6	363.2	505
1771 043	48x0,75	17.9	393.0	542
1771 044	52x0,75	18.6	423.3	588
1771 045	56x0,75	19.1	453.7	628
1771 046	61x0,75	19.7	491.5	674
1771 047	2x1,0	6.2	28.9	53
1771 048	3x1,0	6.5	38.5	65
1771 049	4x1,0	7.1	48.8	79
1771 050	5x1,0	7.6	59.4	96
1771 051	6x1,0	8.3	74.0	118
1771 052	7x1,0	8.3	83.6	123
1771 053	8x1,0	9.1	94.7	145
1771 054	10x1,0	10.5	117.7	173
1771 055	12x1,0	10.9	137.8	198
1771 056	14x1,0	11.4	158.8	224
1771 057	16x1,0	12.1	178.8	257
1771 058	18x1,0	12.8	199.9	287
1771 059	20x1,0	13.4	220.5	317
1771 060	21x1,0	13.4	230.1	322
1771 061	27x1,0	15.4	298.8	410
1771 062	30x1,0	15.9	329.2	447
1771 063	36x1,0	17.1	390.5	528
1771 064	40x1,0	17.7	430.8	575
1771 065	44x1,0	19.3	473.5	635
1771 066	48x1,0	19.6	512.8	682
1771 067	52x1,0	20.1	552.8	730
1771 068	56x1,0	20.7	593.0	782
1771 069	61x1,0	21.5	642.9	848
1771 070	2x1,5	7.2	39.4	67
1771 071	3x1,5	7.5	54.4	84
1771 072	4x1,5	8.3	74.0	108

YSLCY-JZ 300/500 V, YSLCY-OZ 300/500 V, YSLCY-JB 300/500 V, YSLCY-OB 300/500 V

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1771 073	5x1,5	9.2	91.0	136
1771 074	6x1,5	9.9	106.4	160
1771 075	7x1,5	9.9	120.8	167
1771 076	8x1,5	10.7	137.3	193
1771 077	10x1,5	12.6	170.5	237
1771 078	12x1,5	13.0	200.3	270
1771 079	14x1,5	13.6	230.6	306
1771 080	16x1,5	14.4	261.5	346
1771 081	18x1,5	15.4	298.8	400
1771 082	20x1,5	16.2	330.1	443
1771 083	21x1,5	16.2	344.5	449
1771 084	27x1,5	18.5	437.4	563
1771 085	30x1,5	19.1	482.5	614
1771 086	36x1,5	20.6	573.5	727
1771 087	40x1,5	21.5	633.3	802
1771 088	44x1,5	23.4	718.8	896
1771 089	48x1,5	23.8	778.0	962
1771 090	52x1,5	24.7	838.6	1041
1771 091	56x1,5	25.4	899.1	1112
1771 092	61x1,5	26.1	974.0	1193
1771 093	2x2,5	8.5	64.9	95
1771 094	3x2,5	9.2	91.0	127
1771 095	4x2,5	10.0	116.2	156
1771 096	5x2,5	10.9	142.6	192
1771 097	6x2,5	11.8	168.9	229
1771 098	7x2,5	11.8	192.9	240
1771 099	8x2,5	13.0	219.5	283
1771 100	10x2,5	15.4	279.6	354
1771 101	12x2,5	15.9	329.2	405
1771 102	14x2,5	16.7	379.7	460
1771 103	16x2,5	17.6	430.4	522
1771 104	18x2,5	18.8	481.5	592
1771 105	20x2,5	19.7	532.3	657
1771 106	21x2,5	19.7	556.3	666
1771 107	27x2,5	22.5	708.4	836
1771 108	30x2,5	23.5	805.6	937
1771 109	36x2,5	25.6	957.6	1122
1771 110	40x2,5	26.5	1057.3	1220
1771 111	44x2,5	29.1	1191.0	1373
1771 112	48x2,5	29.6	1290.1	1475
1771 113	52x2,5	30.6	1389.9	1593
1771 114	56x2,5	31.5	1490.7	1706
1771 115	61x2,5	32.4	1615.4	1831
1771 116	2x4	9.7	96.3	133
1771 117	3x4	10.3	136.9	176
1771 118	4x4	11.2	177.0	219
1771 119	5x4	12.4	217.9	278
1771 120	7x4	13.5	297.6	353
1771 121	2x6	10.8	137.5	177
1771 122	3x6	11.4	197.2	237
1771 123	4x6	12.7	257.5	306
1771 124	5x6	13.9	317.8	382
1771 125	7x6	15.5	443.2	506

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1771 126	2x10	13.8	221.6	286
1771 127	3x10	14.7	319.9	390
1771 128	4x10	16.4	426.8	512
1771 129	5x10	18.0	527.9	642
1771 130	7x10	19.9	725.0	841
1771 131	2x16	16.3	349.6	427
1771 132	3x16	17.3	506.3	588
1771 133	4x16	19.2	665.2	763
1771 134	5x16	21.3	824.7	970
1771 135	7x16	23.5	1160.8	1290
1771 136	2x25	18.8	529.5	601
1771 137	3x25	20.0	773.3	838
1771 138	4x25	22.3	1019.8	1094
1771 139	5x25	24.9	1290.6	1410
1771 140	7x25	27.7	1807.6	1890
1771 141	2x35	22.1	731.2	823
1771 142	3x35	23.8	1094.8	1179
1771 143	4x35	26.4	1440.9	1531
1771 144	5x35	29.5	1817.1	1974
1771 145	7x35	32.5	2503.9	2607
YSLCY-OZ 300/500 V				
1772 001	2x0,5	5.3	17.6	37
1772 002	3x0,5	5.6	22.5	44
1772 003	4x0,5	6.2	28.9	56
1772 004	5x0,5	6.7	33.7	66
1772 005	7x0,5	7.2	44.2	80
1772 006	2x0,75	5.7	22.5	43
1772 007	3x0,75	6.1	30.0	55
1772 008	4x0,75	6.6	38.5	67
1772 009	5x0,75	7.1	46.4	80
1772 010	7x0,75	7.7	62.0	99
1772 011	2x1,0	6.2	28.9	53
1772 012	3x1,0	6.5	38.5	65
1772 013	4x1,0	7.1	48.8	79
1772 014	5x1,0	7.6	59.4	96
1772 015	7x1,0	8.3	83.6	123
1772 016	2x1,5	7.2	39.4	67
1772 017	3x1,5	7.5	54.4	84
1772 018	4x1,5	8.3	74.0	108
1772 019	5x1,5	9.2	91.0	136
1772 020	7x1,5	9.9	120.8	167
1772 021	2x2,5	8.5	64.9	95
1772 022	3x2,5	9.2	91.0	127
1772 023	4x2,5	10.0	116.2	156
1772 024	5x2,5	10.9	142.6	192
1772 025	7x2,5	11.8	192.9	240
1772 026	2x4	9.7	96.3	133

YSLCY-JZ 300/500 V, YSLCY-OZ 300/500 V, YSLCY-JB 300/500 V, YSLCY-OB 300/500 V

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1772 027	3x4	10.3	136.9	176
1772 028	4x4	11.2	177.0	219
1772 029	5x4	12.4	217.9	278
1772 030	7x4	13.5	297.6	353
1772 031	2x6	10.8	137.5	177
1772 032	3x6	11.4	197.2	237
1772 033	4x6	12.7	257.5	306
1772 034	5x6	13.9	317.8	382
1772 035	7x6	15.5	443.2	506
1772 036	2x10	13.8	221.6	286
1772 037	3x10	14.7	319.9	390
1772 038	4x10	16.4	426.8	512
1772 039	5x10	18.0	527.9	642
1772 040	7x10	19.9	725.0	841
1772 041	2x16	16.3	349.6	427
1772 042	3x16	17.3	506.3	588
1772 043	4x16	19.2	665.2	763
1772 044	5x16	21.3	824.7	970
1772 045	7x16	23.5	1160.8	1290
1772 046	2x25	18.8	529.5	601
1772 047	3x25	20.0	773.3	838
1772 048	4x25	22.3	1019.8	1094
1772 049	5x25	24.9	1290.6	1410
1772 050	7x25	27.7	1807.6	1890
1772 051	2x35	22.1	731.2	823
1772 052	3x35	23.8	1094.8	1179
1772 053	4x35	26.4	1440.9	1531
1772 054	5x35	29.5	1817.1	1974
1772 055	7x35	32.5	2503.9	2607
YSLCY-JB 300/500 V				
1773 001	3x0,5	5.6	22.5	44
1773 002	5x0,5	6.7	33.7	66
1773 003	3x0,75	6.1	30.0	55
1773 004	5x0,75	7.1	46.4	80
1773 005	3x1,0	6.5	38.5	65
1773 006	5x1,0	7.6	59.4	96

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1773 007	3x1,5	7.5	54.4	84
1773 008	5x1,5	9.2	91.0	136
1773 009	3x2,5	9.2	91.0	127
1773 010	5x2,5	10.9	142.6	192
1773 011	3x4	10.3	136.9	176
1773 012	5x4	12.4	217.9	278
1773 013	3x6	11.4	197.2	237
1773 014	5x6	13.9	317.8	382
1773 015	3x10	14.7	319.9	390
1773 016	5x10	18.0	527.9	642
1773 017	3x16	17.3	506.3	588
1773 018	5x16	21.3	824.7	970
1773 019	3x25	20.0	773.3	838
1773 020	5x25	24.9	1290.6	1410
1773 021	3x35	23.8	1094.8	1179
1773 022	5x35	29.5	1817.1	1974
YSLCY-OB 300/500 V				
1774 001	2x0,5	5.3	17.6	37
1774 002	4x0,5	6.2	28.9	56
1774 003	2x0,75	5.7	22.5	43
1774 004	4x0,75	6.6	38.5	67
1774 005	2x1,0	6.2	28.9	53
1774 006	4x1,0	7.1	48.8	79
1774 007	2x1,5	7.2	39.4	67
1774 008	4x1,5	8.3	74.0	108
1774 009	2x2,5	8.5	64.9	95
1774 010	4x2,5	10.0	116.2	156
1774 011	2x4	9.7	96.3	133
1774 012	4x4	11.2	177.0	219
1774 013	2x6	10.8	137.5	177
1774 014	4x6	12.7	257.5	306
1774 015	2x10	13.8	221.6	286
1774 016	4x10	16.4	426.8	512
1774 017	2x16	16.3	349.6	427
1774 018	4x16	19.2	665.2	763
1774 019	2x25	18.8	529.5	601
1774 020	4x25	22.3	1019.8	1094
1774 021	2x35	22.1	731.2	823
1774 022	4x35	26.4	1440.9	1531

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.