

**YSLY-JZ 300/500 V, YSLY-OZ 300/500 V  
YSLY-JB 300/500 V, YSLY-OB 300/500 V****CONTROL AND POWER SUPPLY FLEXIBLE CABLES**Operating voltage  
300/500 VTest voltage  
3 kVTemp. range  
fixed installation  
from -40°C to +80°CTemp. range  
during installation  
from +5°C to +70°CBending radius  
7,5xDHigh  
flexibilityFlame retardant  
PN-EN 60332-1-2Indoor  
application**APPLICATIONS**

**YSLY-JZ 300/500 V, YSLY-OZ 300/500 V, YSLY-JB 300/500 V i YSLY-OB 300/500 V** are flexible 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 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:
  - YSLY-OZ 300/500 V** - black insulation and white conductor numbers printed on it,
  - YSLY-OB 300/500 V** – in accordance with PN-HD 308 standard,
  - green-yellow protective conductor in **YSLY-JZ 300/500 V** and **YSLY-JB 300/500 V** cables,
- insulated conductors laid-up in layers in to a cable core,
- PVC cable sheath, grey RAL 7001, other colours also available.

**AVAILABLE UPON REQUEST**

**YSLY-JZ OR 300/500 V, YSLY-OZ OR 300/500 V, YSLY-JB OR 300/500 V i YSLY-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.

**HSLH-JZ 300/500 V, HSLH-OZ 300/500 V, HSLH-JB 300/500 V i HSLH-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.

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

page 2 of 4

**CHARACTERISTICS**

Conductor cross-section	mm <sup>2</sup>	<b>0.5</b>	<b>0.75</b>	<b>1.0</b>	<b>1.5</b>	<b>2.5</b>	<b>4.0</b>
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 <sup>2</sup>	<b>6.0</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>
DC conductor resistance at 20°C, maximum	Ω/km	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage U <sub>0</sub> /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	7.5 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 <sup>2</sup>			
<b>YSLY-JZ 300/500 V</b>				
1763 001	2x0,5	4.8	9.6	33
1763 002	3x0,5	5.1	14.4	40
1763 003	4x0,5	5.5	19.2	47
1763 004	5x0,5	6.2	24	60
1763 005	6x0,5	6.7	28.8	71
1763 006	7x0,5	6.7	33.6	73
1763 007	8x0,5	7.2	38.4	84
1763 008	10x0,5	8.3	48	102
1763 009	12x0,5	8.6	57.6	115
1763 010	14x0,5	9.2	67.2	133
1763 011	16x0,5	9.7	76.8	150
1763 012	18x0,5	10.2	86.4	167
1763 013	20x0,5	10.7	96	184
1763 014	21x0,5	10.7	100.8	186
1763 015	27x0,5	12.3	129.6	236
1763 016	30x0,5	12.7	144	256
1763 017	36x0,5	13.7	172.8	303
1763 018	40x0,5	14.2	192	329
1763 019	44x0,5	15.5	211.2	367
1763 020	48x0,5	15.8	230.4	393
1763 021	52x0,5	16.2	249.6	420
1763 022	56x0,5	16.7	268.8	450
1763 023	61x0,5	17.2	292.8	482
1763 024	2x0,75	5.2	14.4	41
1763 025	3x0,75	5.4	21.6	48
1763 026	4x0,75	6.1	28.8	61
1763 027	5x0,75	6.6	36	74
1763 028	6x0,75	7.2	43.2	88
1763 029	7x0,75	7.2	50.4	91
1763 030	8x0,75	7.7	57.6	104
1763 031	10x0,75	9.2	72	132
1763 032	12x0,75	9.5	86.4	149
1763 033	14x0,75	10.0	100.8	169
1763 034	16x0,75	10.5	115.2	190
1763 035	18x0,75	11.1	129.6	213
1763 036	20x0,75	11.6	144.0	235
1763 037	21x0,75	11.6	151.2	238

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>			
1763 038	27x0,75	13.4	194.4	303
1763 039	30x0,75	13.8	216.0	330
1763 040	36x0,75	14.9	259.2	391
1763 041	40x0,75	15.7	288.0	433
1763 042	44x0,75	16.9	316.8	474
1763 043	48x0,75	17.2	345.6	509
1763 044	52x0,75	17.7	374.4	545
1763 045	56x0,75	18.4	403.2	592
1763 046	61x0,75	19.0	439.2	636
1763 047	2x1,0	5.5	19.2	48
1763 048	3x1,0	6.0	28.8	60
1763 049	4x1,0	6.6	38.4	74
1763 050	5x1,0	7.1	48.0	90
1763 051	6x1,0	7.7	57.6	106
1763 052	7x1,0	7.7	67.2	112
1763 053	8x1,0	8.3	76.8	128
1763 054	10x1,0	9.9	96.0	162
1763 055	12x1,0	10.3	115.2	185
1763 056	14x1,0	10.8	134.4	209
1763 057	16x1,0	11.3	153.6	236
1763 058	18x1,0	12.2	172.8	269
1763 059	20x1,0	12.8	192.0	298
1763 060	21x1,0	12.8	201.6	303
1763 061	27x1,0	14.5	259.2	377
1763 062	30x1,0	15.2	288.0	419
1763 063	36x1,0	16.4	345.6	497
1763 064	40x1,0	17.0	384.0	542
1763 065	44x1,0	18.6	422.4	603
1763 066	48x1,0	18.9	460.8	647
1763 067	52x1,0	19.4	499.2	694
1763 068	56x1,0	20.0	537.6	744
1763 069	61x1,0	20.6	585.6	800
1763 070	2x1,5	6.7	28.8	70
1763 071	3x1,5	7.0	43.2	84
1763 072	4x1,5	7.7	57.6	104
1763 073	5x1,5	8.4	72.0	127
1763 074	6x1,5	9.3	86.4	155

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

page 3 of 4

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1763 075	7x1,5	9.3	100.8	163
1763 076	8x1,5	10.1	115.2	188
1763 077	10x1,5	11.8	144.0	231
1763 078	12x1,5	12.4	172.8	270
1763 079	14x1,5	13.0	201.6	305
1763 080	16x1,5	13.8	230.4	347
1763 081	18x1,5	14.5	259.2	387
1763 082	20x1,5	15.5	288.0	437
1763 083	21x1,5	15.5	302.4	444
1763 084	27x1,5	17.6	388.8	555
1763 085	30x1,5	18.4	432.0	615
1763 086	36x1,5	19.9	518.4	731
1763 087	40x1,5	20.6	576.0	798
1763 088	44x1,5	22.5	633.6	885
1763 089	48x1,5	22.9	691.2	951
1763 090	52x1,5	23.6	748.8	1022
1763 091	56x1,5	24.5	806.4	1107
1763 092	61x1,5	25.2	878.4	1190
1763 093	2x2,5	7.9	48.0	101
1763 094	3x2,5	8.4	72.0	126
1763 095	4x2,5	9.4	96.0	159
1763 096	5x2,5	10.3	120.0	196
1763 097	6x2,5	11.2	144.0	234
1763 098	7x2,5	11.2	168.0	247
1763 099	8x2,5	12.4	192.0	291
1763 100	10x2,5	14.5	240.0	359
1763 101	12x2,5	15.2	288.0	418
1763 102	14x2,5	16.0	336.0	475
1763 103	16x2,5	16.9	384.0	539
1763 104	18x2,5	17.9	432.0	605
1763 105	20x2,5	19.0	480.0	680
1763 106	21x2,5	19.0	504.0	691
1763 107	27x2,5	21.8	648.0	875
1763 108	30x2,5	22.6	720.0	959
1763 109	36x2,5	24.7	864.0	1155
1763 110	40x2,5	25.6	960.0	1261
1763 111	44x2,5	28.0	1056.0	1397
1763 112	48x2,5	28.5	1152.0	1504
1763 113	52x2,5	29.3	1248.0	1615
1763 114	56x2,5	30.2	1344.0	1734
1763 115	61x2,5	31.3	1464.0	1881
1763 116	2x4	9.1	76.8	142
1763 117	3x4	9.7	115.2	178
1763 118	4x4	10.6	153.6	221
1763 119	5x4	11.6	192.0	273
1763 120	7x4	12.9	268.8	355
1763 121	2x6	10.2	115.2	191
1763 122	3x6	10.8	172.8	242
1763 123	4x6	12.1	230.4	308
1763 124	5x6	13.3	288.0	383
1763 125	7x6	14.6	403.2	493
1763 126	2x10	13.2	192.0	326

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1763 127	3x10	14.1	288.0	418
1763 128	4x10	15.7	384.0	530
1763 129	5x10	17.3	480.0	660
1763 130	7x10	19.2	672.0	864
1763 131	2x16	15.6	307.2	484
1763 132	3x16	16.6	460.8	625
1763 133	4x16	18.5	614.4	797
1763 134	5x16	20.4	768.0	995
1763 135	7x16	22.6	1075.2	1307
1763 136	2x25	17.9	480.0	679
1763 137	3x25	19.3	720.0	897
1763 138	4x25	21.6	960.0	1150
1763 139	5x25	23.8	1200.0	1435
1763 140	7x25	26.4	1680.0	1894
1763 141	2x35	21.4	672.0	958
1763 142	3x35	22.9	1008.0	1254
1763 143	4x35	25.5	1344.0	1601
1763 144	5x35	28.4	1680.0	2015
1763 145	7x35	31.4	2352.0	2654
1763 146	2x50	26.6	960.0	1425
1763 147	3x50	28.6	1440.0	1865
1763 148	4x50	31.9	1920.0	2377
1763 149	5x50	35.5	2400.0	2994
1763 150	7x50	39.2	3360.0	3926
YSLY-OZ 300/500 V				
1764 001	2x0,5	4.8	9.6	33
1764 002	3x0,5	5.1	14.4	40
1764 003	4x0,5	5.5	19.2	47
1764 004	5x0,5	6.2	24.0	60
1764 005	7x0,5	6.7	33.6	73
1764 006	2x0,75	5.2	14.4	41
1764 007	3x0,75	5.4	21.6	48
1764 008	4x0,75	6.1	28.8	61
1764 009	5x0,75	6.6	36.0	74
1764 010	7x0,75	7.2	50.4	91
1764 011	2x1,0	5.5	19.2	48
1764 012	3x1,0	6.0	28.8	60
1764 013	4x1,0	6.6	38.4	74
1764 014	5x1,0	7.1	48.0	90
1764 015	7x1,0	7.7	67.2	112
1764 016	2x1,5	6.7	28.8	70
1764 017	3x1,5	7.0	43.2	84
1764 018	4x1,5	7.7	57.6	104
1764 019	5x1,5	8.4	72.0	127
1764 020	7x1,5	9.3	100.8	163
1764 021	2x2,5	7.9	48.0	101
1764 022	3x2,5	8.4	72.0	126
1764 023	4x2,5	9.4	96.0	159

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

page 4 of 4

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1764 024	5x2,5	10.3	120.0	196
1764 025	7x2,5	11.2	168.0	247
1764 026	2x4	9.1	76.8	142
1764 027	3x4	9.7	115.2	178
1764 028	4x4	10.6	153.6	221
1764 029	5x4	11.6	192.0	273
1764 030	7x4	12.9	268.8	355
1764 031	2x6	10.2	115.2	191
1764 032	3x6	10.8	172.8	242
1764 033	4x6	12.1	230.4	308
1764 034	5x6	13.3	288.0	383
1764 035	7x6	14.6	403.2	493
1764 036	2x10	13.2	192.0	326
1764 037	3x10	14.1	288.0	418
1764 038	4x10	15.7	384.0	530
1764 039	5x10	17.3	480.0	660
1764 040	7x10	19.2	672.0	864
1764 041	2x16	15.6	307.2	484
1764 042	3x16	16.6	460.8	625
1764 043	4x16	18.5	614.4	797
1764 044	5x16	20.4	768.0	995
1764 045	7x16	22.6	1075.2	1307
1764 046	2x25	17.9	480.0	679
1764 047	3x25	19.3	720.0	897
1764 048	4x25	21.6	960.0	1150
1764 049	5x25	23.8	1200.0	1435
1764 050	7x25	26.4	1680.0	1894
1764 051	2x35	21.4	672.0	958
1764 052	3x35	22.9	1008.0	1254
1764 053	4x35	25.5	1344.0	1601
1764 054	5x35	28.4	1680.0	2015
1764 055	7x35	31.4	2352.0	2654
1764 056	2x50	26.6	960.0	1425
1764 057	3x50	28.6	1440.0	1865
1764 058	4x50	31.9	1920.0	2377
1764 059	5x50	35.5	2400.0	2994
1764 060	7x50	39.2	3360.0	3926
YSLY-JB 300/500 V				
1765 001	3x0,5	5.1	14.4	40
1765 002	5x0,5	6.2	24.0	60
1765 003	3x0,75	5.4	21.6	48
1765 004	5x0,75	6.6	36.0	74

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1765 005	3x1,0	6.0	28.8	60
1765 006	5x1,0	7.1	48.0	90
1765 007	3x1,5	7.0	43.2	84
1765 008	5x1,5	8.4	72.0	127
1765 009	3x2,5	8.4	72.0	126
1765 010	5x2,5	10.3	120.0	196
1765 011	3x4	9.7	115.2	178
1765 012	5x4	11.6	192.0	273
1765 013	3x6	10.8	172.8	242
1765 014	5x6	13.3	288.0	383
1765 015	3x10	14.1	288.0	418
1765 016	5x10	17.3	480.0	660
1765 017	3x16	16.6	460.8	625
1765 018	5x16	20.4	768.0	995
1765 019	3x25	19.3	720.0	897
1765 020	5x25	23.8	1200.0	1435
1765 021	3x35	22.9	1008.0	1254
1765 022	5x35	28.4	1680.0	2015
1765 023	3x50	28.6	1440.0	1865
1765 024	5x50	35.5	2400.0	2994
YSLY-OB 300/500 V				
1766 001	2x0,5	4.8	9.6	33
1766 002	4x0,5	5.5	19.2	47
1766 003	2x0,75	5.2	14.4	41
1766 004	4x0,75	6.1	28.8	61
1766 005	2x1,0	5.5	19.2	48
1766 006	4x1,0	6.6	38.4	74
1766 007	2x1,5	6.7	28.8	70
1766 008	4x1,5	7.7	57.6	104
1766 009	2x2,5	7.9	48.0	101
1766 010	4x2,5	9.4	96.0	159
1766 011	2x4	9.1	76.8	142
1766 012	4x4	10.6	153.6	221
1766 013	2x6	10.2	115.2	191
1766 014	4x6	12.1	230.4	308
1766 015	2x10	13.2	192.0	326
1766 016	4x10	15.7	384.0	530
1766 017	2x16	15.6	307.2	484
1766 018	4x16	18.5	614.4	797
1766 019	2x25	17.9	480.0	679
1766 020	4x25	21.6	960.0	1150
1766 021	2x35	21.4	672.0	958
1766 022	4x35	25.5	1344.0	1601
1766 023	2x50	26.6	960.0	1425
1766 024	4x50	31.9	1920.0	2377

Other cross-sections and conductor counts available on request.  
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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