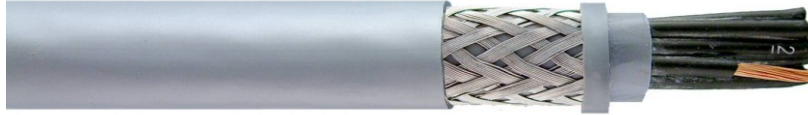


**YSLYCY-JZ 300/500 V, YSLYCY-OZ 300/500 V,
YSLYCY-JB 300/500 V, YSLYCY-OB 300/500 V**

CONTROL AND POWER SUPPLY FLEXIBLE CABLES



APPLICATIONS

YSLYCY-JZ 300/500 V, YSLYCY-OZ 300/500 V, YSLYCY-JB 300/500 V and **YSLYCY-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.

Cable inner sheath offers enhanced protection against mechanical damage.

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

The cables are suitable for indoor and outdoor installations connecting fixed and movable equipment. UV radiation protection is required for outdoor installations.

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:
 - YSLYCY-OZ 300/500 V** - black and white conductor number printed on it,
 - YSLYCY-OB 300/500 V** - colours in accordance with PN-HD 308 standard,
 - green-yellow protective conductor located in the outer layer in **YSLYCY-JZ 300/500 V** and **YSLYCY-JB 300/500 V** cable,
- insulated conductors laid-up in layers,
- inner PVC sheath,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

YSLYCY-JZ OR 300/500 V, YSLYCY-OZ OR 300/500 V, YSLYCY-JB OR 300/500 V and **YSLYCY-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.

YSLYSY-JZ 300/500 V, YSLYSY-OZ 300/500 V, YSLYSY-JB 300/500 V and **YSLYSY-OB 300/500 V** – cables of enhanced protection against mechanical damage, shielded with zinc-plated steel wire braid.

YSLYCY-JZ 300/500 V, YSLYCY-OZ 300/500 V, YSLYCY-JB 300/500 V, YSLYCY-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 ₀ /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
YSLYCY-JZ 300/500 V				
1767 001	2x0,5	6.5	19.3	54
1767 002	3x0,5	6.8	24.2	63
1767 003	4x0,5	7.2	29.8	72
1767 004	5x0,5	7.7	35.6	85
1767 005	6x0,5	8.5	45.7	105
1767 006	7x0,5	8.5	50.5	107
1767 007	8x0,5	9.2	57.4	123
1767 008	10x0,5	10.3	69.7	146
1767 009	12x0,5	10.6	79.4	161
1767 010	14x0,5	11.0	90.1	177
1767 011	16x0,5	11.5	101.2	197
1767 012	18x0,5	12.2	111.8	221
1767 013	20x0,5	12.9	123.2	247
1767 014	21x0,5	12.9	128.0	247
1767 015	27x0,5	14.3	160.5	300
1767 016	30x0,5	14.7	175.9	323
1767 017	36x0,5	16.0	214.3	388
1767 018	40x0,5	16.7	235.7	423
1767 019	44x0,5	17.8	258.3	461
1767 020	48x0,5	18.3	278.4	497
1767 021	52x0,5	18.7	298.8	527
1767 022	56x0,5	19.2	319.6	560
1767 023	61x0,5	19.7	345.1	596
1767 024	2x0,75	6.9	24.4	62
1767 025	3x0,75	7.1	32.0	72
1767 026	4x0,75	7.6	40.2	85
1767 027	5x0,75	8.1	48.4	100
1767 028	6x0,75	9.2	62.2	129
1767 029	7x0,75	9.2	69.4	133
1767 030	8x0,75	9.7	77.1	145
1767 031	10x0,75	11.0	94.9	175
1767 032	12x0,75	11.3	110.0	195
1767 033	14x0,75	11.8	125.7	217
1767 034	16x0,75	12.7	142.3	253
1767 035	18x0,75	13.3	157.9	278

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
1767 036	20x0,75	13.8	173.6	303
1767 037	21x0,75	13.8	180.8	305
1767 038	27x0,75	15.7	235.0	387
1767 039	30x0,75	16.3	258.4	424
1767 040	36x0,75	17.4	305.1	493
1767 041	40x0,75	18.0	335.9	530
1767 042	44x0,75	19.4	368.2	587
1767 043	48x0,75	19.7	397.9	624
1767 044	52x0,75	20.4	429.0	674
1767 045	56x0,75	20.9	459.2	716
1767 046	61x0,75	21.7	497.1	774
1767 047	2x1,0	7.2	29.8	69
1767 048	3x1,0	7.5	40.0	83
1767 049	4x1,0	8.1	50.8	99
1767 050	5x1,0	9.1	65.9	129
1767 051	6x1,0	9.7	77.1	149
1767 052	7x1,0	9.7	86.7	154
1767 053	8x1,0	10.3	98.5	172
1767 054	10x1,0	11.7	120.6	207
1767 055	12x1,0	12.5	141.4	244
1767 056	14x1,0	13.0	161.9	271
1767 057	16x1,0	13.5	182.4	301
1767 058	18x1,0	14.2	203.4	333
1767 059	20x1,0	14.8	224.1	365
1767 060	21x1,0	14.8	233.7	367
1767 061	27x1,0	17.0	303.8	474
1767 062	30x1,0	17.5	334.1	513
1767 063	36x1,0	18.9	395.5	607
1767 064	40x1,0	19.5	435.7	653
1767 065	44x1,0	21.3	479.1	733
1767 066	48x1,0	21.6	518.4	781
1767 067	52x1,0	22.1	558.4	832
1767 068	56x1,0	22.9	620.6	908
1767 069	61x1,0	23.5	671.2	969
1767 070	2x1,5	8.5	45.7	96

YSLYCY-JZ 300/500 V, YSLYCY-OZ 300/500 V, YSLYCY-JB 300/500 V, YSLYCY-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
1767 071	3x1,5	8.8	60.9	116
1767 072	4x1,5	9.7	77.1	143
1767 073	5x1,5	10.4	93.7	171
1767 074	6x1,5	11.1	109.5	197
1767 075	7x1,5	11.1	123.9	206
1767 076	8x1,5	12.1	140.4	236
1767 077	10x1,5	14.0	174.1	292
1767 078	12x1,5	14.4	203.9	330
1767 079	14x1,5	15.3	241.0	382
1767 080	16x1,5	16.3	272.8	436
1767 081	18x1,5	17.0	303.8	481
1767 082	20x1,5	17.8	335.1	530
1767 083	21x1,5	17.8	349.5	533
1767 084	27x1,5	20.3	443.0	675
1767 085	30x1,5	20.9	488.0	732
1767 086	36x1,5	22.8	601.1	890
1767 087	40x1,5	23.5	661.6	958
1767 088	44x1,5	25.6	727.2	1071
1767 089	48x1,5	26.0	786.4	1143
1767 090	52x1,5	26.9	873.2	1245
1767 091	56x1,5	27.8	934.4	1338
1767 092	61x1,5	28.7	1011.3	1442
1767 093	2x2,5	10.1	68.5	135
1767 094	3x2,5	10.6	93.8	167
1767 095	4x2,5	11.4	120.4	202
1767 096	5x2,5	12.7	147.1	255
1767 097	6x2,5	13.7	173.3	299
1767 098	7x2,5	13.7	197.3	313
1767 099	8x2,5	14.6	223.6	350
1767 100	10x2,5	17.4	285.9	451
1767 101	12x2,5	17.9	335.4	512
1767 102	14x2,5	18.9	385.9	584
1767 103	16x2,5	20.0	437.3	664
1767 104	18x2,5	21.0	488.4	737
1767 105	20x2,5	22.1	539.2	822
1767 106	21x2,5	22.1	563.2	827
1767 107	27x2,5	25.4	740.7	1072
1767 108	30x2,5	26.3	816.5	1166
1767 109	36x2,5	28.7	996.9	1422
1767 110	40x2,5	29.7	1098.2	1534
1767 111	44x2,5	32.3	1206.9	1708
1767 112	48x2,5	32.8	1305.5	1826
1767 113	52x2,5	33.8	1405.7	1963
1767 114	56x2,5	34.8	1507.0	2096
1767 115	61x2,5	35.9	1632.8	2258
1767 116	2x4	10.8	99.1	165
1767 117	3x4	11.3	138.8	208
1767 118	4x4	12.6	180.1	267
1767 119	5x4	13.7	221.3	325
1767 120	7x4	14.7	300.7	406
1767 121	2x6	12.1	140.4	216
1767 122	3x6	13.0	200.3	285
1767 123	4x6	14.0	260.5	352

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
1767 124	5x6	15.5	328.0	445
1767 125	7x6	16.9	447.5	569
1767 126	2x10	15.7	232.6	363
1767 127	3x10	16.8	331.9	484
1767 128	4x10	18.4	432.3	613
1767 129	5x10	20.3	534.2	767
1767 130	7x10	22.2	731.5	987
1767 131	2x16	18.3	355.2	517
1767 132	3x16	19.3	511.9	690
1767 133	4x16	21.5	671.7	892
1767 134	5x16	23.6	854.0	1128
1767 135	7x16	26.0	1170.4	1473
1767 136	2x25	21.8	538.2	740
1767 137	3x25	23.3	804.8	1022
1767 138	4x25	25.9	1054.8	1320
1767 139	5x25	28.9	1333.9	1695
1767 140	7x25	31.8	1828.2	2211
1767 141	2x35	24.7	761.8	989
1767 142	3x35	26.2	1104.1	1343
1767 143	4x35	29.2	1479.5	1764
1767 144	5x35	32.4	1831.4	2225
1767 145	7x35	35.6	2519.2	2915
1767 146	2x50	30.1	1100.3	1417
1767 147	3x50	32.4	1591.4	1958
1767 148	4x50	35.8	2088.3	2525
1767 149	5x50	39.8	2587.3	3208
1767 150	7x50	43.8	3567.4	4197
YSLYCY-OZ 300/500 V				
1768 001	2x0,5	6.5	19.3	54
1768 002	3x0,5	6.8	24.2	63
1768 003	4x0,5	7.2	29.8	72
1768 004	5x0,5	7.7	35.6	85
1768 005	7x0,5	8.5	50.5	107
1768 006	2x0,75	6.9	24.4	62
1768 007	3x0,75	7.1	32.0	72
1768 008	4x0,75	7.6	40.2	85
1768 009	5x0,75	8.1	48.4	100
1768 010	7x0,75	9.2	69.4	133
1768 011	2x1,0	7.2	29.8	69
1768 012	3x1,0	7.5	40.0	83
1768 013	4x1,0	8.1	50.8	99
1768 014	5x1,0	9.1	65.9	129
1768 015	7x1,0	9.7	86.7	154
1768 016	2x1,5	8.5	45.7	96
1768 017	3x1,5	8.8	60.9	116
1768 018	4x1,5	9.7	77.1	143
1768 019	5x1,5	10.4	93.7	171
1768 020	7x1,5	11.1	123.9	206

YSLYCY-JZ 300/500 V, YSLYCY-OZ 300/500 V, YSLYCY-JB 300/500 V, YSLYCY-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
1768 021	2x2,5	10.1	68.5	135
1768 022	3x2,5	10.6	93.8	167
1768 023	4x2,5	11.4	120.4	202
1768 024	5x2,5	12.7	147.1	255
1768 025	7x2,5	13.7	197.3	313
1768 026	2x4	10.8	99.1	165
1768 027	3x4	11.3	138.8	208
1768 028	4x4	12.6	180.1	267
1768 029	5x4	13.7	221.3	325
1768 030	7x4	14.7	300.7	406
1768 031	2x6	12.1	140.4	216
1768 032	3x6	13.0	200.3	285
1768 033	4x6	14.0	260.5	352
1768 034	5x6	15.5	328.0	445
1768 035	7x6	16.9	447.5	569
1768 036	2x10	15.7	232.6	363
1768 037	3x10	16.8	331.9	484
1768 038	4x10	18.4	432.3	613
1768 039	5x10	20.3	534.2	767
1768 040	7x10	22.2	731.5	987
1768 041	2x16	18.3	355.2	517
1768 042	3x16	19.3	511.9	690
1768 043	4x16	21.5	671.7	892
1768 044	5x16	23.6	854.0	1128
1768 045	7x16	26.0	1170.4	1473
1768 046	2x25	21.8	538.2	740
1768 047	3x25	23.3	804.8	1022
1768 048	4x25	25.9	1054.8	1320
1768 049	5x25	28.9	1333.9	1695
1768 050	7x25	31.8	1828.2	2211
1768 051	2x35	24.7	761.8	989
1768 052	3x35	26.2	1104.1	1343
1768 053	4x35	29.2	1479.5	1764
1768 054	5x35	32.4	1831.4	2225
1768 055	7x35	35.6	2519.2	2915
1768 056	2x50	30.1	1100.3	1417
1768 057	3x50	32.4	1591.4	1958
1768 058	4x50	35.8	2088.3	2525
1768 059	5x50	39.8	2587.3	3208
1768 060	7x50	43.8	3567.4	4197
YSLYCY-JB 300/500 V				
1769 001	3x0,5	6.8	24.2	63
1769 002	5x0,5	7.7	35.6	85

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
1769 003	3x0,75	7.1	32.0	72
1769 004	5x0,75	8.1	48.4	100
1769 005	3x1,0	7.5	40.0	83
1769 006	5x1,0	9.1	65.9	129
1769 007	3x1,5	8.8	60.9	116
1769 008	5x1,5	10.4	93.7	171
1769 009	3x2,5	10.6	93.8	167
1769 010	5x2,5	12.7	147.1	255
1769 011	3x4	11.3	138.8	208
1769 012	5x4	13.7	221.3	325
1769 013	3x6	13.0	200.3	285
1769 014	5x6	15.5	328.0	445
1769 015	3x10	16.8	331.9	484
1769 016	5x10	20.3	534.2	767
1769 017	3x16	19.3	511.9	690
1769 018	5x16	23.6	854.0	1128
1769 019	3x25	23.3	804.8	1022
1769 020	5x25	28.9	1333.9	1695
1769 021	3x35	26.2	1104.1	1343
1769 022	5x35	32.4	1831.4	2225
1769 023	3x50	32.4	1591.4	1958
1769 024	5x50	39.8	2587.3	3208
YSLYCY-OB 300/500 V				
1770 001	2x0,5	6.5	19.3	54
1770 002	4x0,5	7.2	29.8	72
1770 003	2x0,75	6.9	24.4	62
1770 004	4x0,75	7.6	40.2	85
1770 005	2x1,0	7.2	29.8	69
1770 006	4x1,0	8.1	50.8	99
1770 007	2x1,5	8.5	45.7	96
1770 008	4x1,5	9.7	77.1	143
1770 009	2x2,5	10.1	68.5	135
1770 010	4x2,5	11.4	120.4	202
1770 011	2x4	10.8	99.1	165
1770 012	4x4	12.6	180.1	267
1770 013	2x6	12.1	140.4	216
1770 014	4x6	14.0	260.5	352
1770 015	2x10	15.7	232.6	363
1770 016	4x10	18.4	432.3	613
1770 017	2x16	18.3	355.2	517
1770 018	4x16	21.5	671.7	892
1770 019	2x25	21.8	538.2	740
1770 020	4x25	25.9	1054.8	1320
1770 021	2x35	24.7	761.8	989
1770 022	4x35	29.2	1479.5	1764
1770 023	2x50	30.1	1100.3	1417
1770 024	4x50	35.8	2088.3	2525

Other cross-sections and conductor counts available on request.

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