

YSLCY-JZ 0,6/1 kV, YSLCY-OZ 0,6/1 kV
YSLCY-JB 0,6/1 kV, YSLCY-OB 0,6/1 kV

CONTROL AND POWER SUPPLY FLEXIBLE CABLES



APPLICATIONS

YSLCY-JZ 0,6/1 kV, YSLCY-OZ 0,6/1 kV, YSLCY-JB 0,6/1 kV and **YSLCY-OB 0,6/1 kV** are flexible, overall shielded cables 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 and outdoor installations in dry and wet locations, also for direct earth burial.

Sheathing black PVC is resistant to UV radiation.

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 0,6/1 kV** - black and white conductor number printed on it,
 - YSLCY-OB 0,6/1 kV** - colours in accordance with PN-HD 308 standard, green-yellow protective conductor located in the outer layer in **YSLCY-JZ 0,6/1 kV** and **YSLCY-JB 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

YSLCY-JZ OR 0,6/1 kV, YSLCY-OZ OR 0,6/1 kV, YSLCY-JB OR 0,6/1 kV and **YSLCY-OB OR 0,6/1 kV** - 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 0,6/1 kV, HSLCH-OZ 0,6/1 kV, HSLCH-JB 0,6/1 kV and **HSLCH-OB 0,6/1 kV** - 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 0,6/1 kV, YSLCY-OZ 0,6/1 kV YSLCY-JB 0,6/1 kV, YSLCY-OB 0,6/1 kV

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	0.6/1 kV	Operating temperature range	
Voltage test	4 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	+ 160°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 0,6/1 kV				
1783 001	2x0,5	8.1	19.3	73
1783 002	3x0,5	8.4	24.6	83
1783 003	4x0,5	9.0	30.6	97
1783 004	5x0,5	9.7	40.4	118
1783 005	6x0,5	10.4	47.8	137
1783 006	7x0,5	10.4	52.6	139
1783 007	8x0,5	11.1	58.4	157
1783 008	10x0,5	12.6	72.4	184
1783 009	12x0,5	13.0	82.5	204
1783 010	14x0,5	13.5	93.4	225
1783 011	16x0,5	14.2	104.8	252
1783 012	18x0,5	14.9	116.2	278
1783 013	20x0,5	15.5	127.4	305
1783 014	21x0,5	15.5	132.2	306
1783 015	27x0,5	17.5	173.3	377
1783 016	30x0,5	18.1	189.5	408
1783 017	36x0,5	19.4	222.3	477
1783 018	40x0,5	20.1	243.7	515
1783 019	44x0,5	21.6	267.6	558
1783 020	48x0,5	22.2	288.0	605
1783 021	52x0,5	22.8	309.1	644
1783 022	56x0,5	23.6	352.3	708
1783 023	61x0,5	24.3	379.2	754
1783 024	2x0,75	8.4	24.6	80
1783 025	3x0,75	8.8	32.6	95
1783 026	4x0,75	9.4	41.0	110
1783 027	5x0,75	10.2	53.7	135
1783 028	6x0,75	10.9	62.7	157
1783 029	7x0,75	10.9	69.9	160
1783 030	8x0,75	11.7	79.3	183
1783 031	10x0,75	13.3	97.7	215
1783 032	12x0,75	13.7	113.5	240
1783 033	14x0,75	14.3	129.1	266
1783 034	16x0,75	15.0	145.3	298
1783 035	18x0,75	15.8	161.7	331
1783 036	20x0,75	16.6	184.9	371
1783 037	21x0,75	16.6	192.1	374

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
1783 038	27x0,75	18.6	241.5	453
1783 039	30x0,75	19.3	265.2	492
1783 040	36x0,75	20.7	312.8	577
1783 041	40x0,75	21.4	343.8	624
1783 042	44x0,75	23.5	399.8	711
1783 043	48x0,75	23.9	430.4	758
1783 044	52x0,75	24.5	461.7	807
1783 045	56x0,75	25.4	493.4	872
1783 046	61x0,75	26.1	532.3	928
1783 047	2x1,0	8.8	30.2	89
1783 048	3x1,0	9.2	40.6	106
1783 049	4x1,0	10.0	55.5	130
1783 050	5x1,0	10.7	67.0	155
1783 051	6x1,0	11.5	79.3	180
1783 052	7x1,0	11.5	88.9	185
1783 053	8x1,0	12.3	99.9	211
1783 054	10x1,0	14.1	123.7	249
1783 055	12x1,0	14.5	144.0	279
1783 056	14x1,0	15.1	164.7	312
1783 057	16x1,0	15.9	186.0	350
1783 058	18x1,0	16.8	214.3	396
1783 059	20x1,0	17.5	235.7	435
1783 060	21x1,0	17.5	245.3	440
1783 061	27x1,0	19.7	309.7	536
1783 062	30x1,0	20.4	340.7	583
1783 063	36x1,0	22.1	402.9	696
1783 064	40x1,0	22.9	443.8	755
1783 065	44x1,0	25.1	511.4	855
1783 066	48x1,0	25.5	551.4	911
1783 067	52x1,0	26.2	592.8	973
1783 068	56x1,0	26.9	634.1	1038
1783 069	61x1,0	28.1	712.1	1148
1783 070	2x1,5	9.3	40.8	103
1783 071	3x1,5	9.9	60.1	130
1783 072	4x1,5	10.6	76.6	155
1783 073	5x1,5	11.4	92.7	186
1783 074	6x1,5	12.3	109.5	217

YSLCY-JZ 0,6/1 kV, YSLCY-OZ 0,6/1 kV YSLCY-JB 0,6/1 kV, YSLCY-OB 0,6/1 kV

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
1783 075	7x1,5	12.3	123.9	225
1783 076	8x1,5	13.2	140.6	259
1783 077	10x1,5	15.1	174.3	306
1783 078	12x1,5	15.6	204.4	346
1783 079	14x1,5	16.4	241.9	396
1783 080	16x1,5	17.2	273.2	446
1783 081	18x1,5	18.1	304.7	496
1783 082	20x1,5	19.0	336.3	549
1783 083	21x1,5	19.0	350.7	556
1783 084	27x1,5	21.4	444.6	681
1783 085	30x1,5	22.3	489.9	752
1783 086	36x1,5	24.2	604.4	911
1783 087	40x1,5	25.3	665.8	1001
1783 088	44x1,5	27.5	758.0	1114
1783 089	48x1,5	28.1	817.7	1203
1783 090	52x1,5	28.9	879.5	1286
1783 091	56x1,5	29.7	941.4	1374
1783 092	61x1,5	30.5	1017.5	1469
1783 093	2x2,5	10.7	67.0	137
1783 094	3x2,5	11.2	92.2	169
1783 095	4x2,5	12.1	118.6	205
1783 096	5x2,5	13.1	145.2	249
1783 097	6x2,5	14.2	172.0	294
1783 098	7x2,5	14.2	196.0	306
1783 099	8x2,5	15.2	222.6	352
1783 100	10x2,5	17.8	284.6	428
1783 101	12x2,5	18.3	334.1	487
1783 102	14x2,5	19.2	384.9	550
1783 103	16x2,5	20.2	436.0	622
1783 104	18x2,5	21.3	487.4	695
1783 105	20x2,5	22.5	538.6	780
1783 106	21x2,5	22.5	562.6	789
1783 107	27x2,5	25.9	740.2	1006
1783 108	30x2,5	26.8	816.1	1098
1783 109	36x2,5	29.2	996.3	1339
1783 110	40x2,5	30.3	1098.2	1456
1783 111	44x2,5	32.9	1206.9	1601
1783 112	48x2,5	33.5	1306.0	1717
1783 113	52x2,5	34.6	1406.8	1852
1783 114	56x2,5	35.6	1508.1	1981
1783 115	61x2,5	36.8	1664.9	2146
1783 116	2x4	11.7	98.5	176
1783 117	3x4	12.3	138.3	223
1783 118	4x4	13.3	179.3	274
1783 119	5x4	14.5	220.8	337
1783 120	7x4	15.6	300.4	420
1783 121	2x6	12.8	139.6	222
1783 122	3x6	13.5	199.0	288
1783 123	4x6	14.7	259.7	359
1783 124	5x6	16.1	327.4	451
1783 125	7x6	17.5	446.9	571
1783 126	2x10	15.6	223.6	334

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
1783 127	3x10	16.6	328.9	452
1783 128	4x10	18.2	429.9	570
1783 129	5x10	19.9	531.1	712
1783 130	7x10	21.9	728.7	922
1783 131	2x16	17.9	352.1	475
1783 132	3x16	19.0	509.1	645
1783 133	4x16	20.8	668.3	822
1783 134	5x16	23.0	828.1	1042
1783 135	7x16	25.5	1165.8	1382
1783 136	2x25	21.0	534.6	670
1783 137	3x25	22.6	778.8	934
1783 138	4x25	25.2	1049.4	1232
1783 139	5x25	28.1	1326.5	1584
1783 140	7x25	30.7	1820.3	2054
1783 141	2x35	23.9	756.8	902
1783 142	3x35	25.6	1099.0	1256
1783 143	4x35	28.6	1473.1	1654
1783 144	5x35	31.6	1824.0	2094
1783 145	7x35	34.8	2511.9	2746
YSLCY-OZ 0,6/1 kV				
1784 001	2x0,5	8.1	19.3	73
1784 002	3x0,5	8.4	24.6	83
1784 003	4x0,5	9.0	30.6	97
1784 004	5x0,5	9.7	40.4	118
1784 005	7x0,5	10.4	52.6	139
1784 006	2x0,75	8.4	24.6	80
1784 007	3x0,75	8.8	32.6	95
1784 008	4x0,75	9.4	41.0	110
1784 009	5x0,75	10.2	53.7	135
1784 010	7x0,75	10.9	69.9	160
1784 011	2x1,0	8.8	30.2	89
1784 012	3x1,0	9.2	40.6	106
1784 013	4x1,0	10.0	55.5	130
1784 014	5x1,0	10.7	67.0	155
1784 015	7x1,0	11.5	88.9	185
1784 016	2x1,5	9.3	40.8	103
1784 017	3x1,5	9.9	60.1	130
1784 018	4x1,5	10.6	76.6	155
1784 019	5x1,5	11.4	92.7	186
1784 020	7x1,5	12.3	123.9	225
1784 021	2x2,5	10.7	67.0	137
1784 022	3x2,5	11.2	92.2	169
1784 023	4x2,5	12.1	118.6	205
1784 024	5x2,5	13.1	145.2	249
1784 025	7x2,5	14.2	196.0	306
1784 026	2x4	11.7	98.5	176
1784 027	3x4	12.3	138.3	223
1784 028	4x4	13.3	179.3	274

YSLCY-JZ 0,6/1 kV, YSLCY-OZ 0,6/1 kV YSLCY-JB 0,6/1 kV, YSLCY-OB 0,6/1 kV

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
1784 029	5x4	14.5	220.8	337
1784 030	7x4	15.6	300.4	420
1784 031	2x6	12.8	139.6	222
1784 032	3x6	13.5	199.0	288
1784 033	4x6	14.7	259.7	359
1784 034	5x6	16.1	327.4	451
1784 035	7x6	17.5	446.9	571
1784 036	2x10	15.6	223.6	334
1784 037	3x10	16.6	328.9	452
1784 038	4x10	18.2	429.9	570
1784 039	5x10	19.9	531.1	712
1784 040	7x10	21.9	728.7	922
1784 041	2x16	17.9	352.1	475
1784 042	3x16	19.0	509.1	645
1784 043	4x16	20.8	668.3	822
1784 044	5x16	23.0	828.1	1042
1784 045	7x16	25.5	1165.8	1382
1784 046	2x25	21.0	534.6	670
1784 047	3x25	22.6	778.8	934
1784 048	4x25	25.2	1049.4	1232
1784 049	5x25	28.1	1326.5	1584
1784 050	7x25	30.7	1820.3	2054
1784 051	2x35	23.9	756.8	902
1784 052	3x35	25.6	1099.0	1256
1784 053	4x35	28.6	1473.1	1654
1784 054	5x35	31.6	1824.0	2094
1784 055	7x35	34.8	2511.9	2746
YSLCY-JB 0,6/1 kV				
1785 001	3x0,5	8.4	24.6	83
1785 002	5x0,5	9.7	40.4	118
1785 003	3x0,75	8.8	32.6	95
1785 004	5x0,75	10.2	53.7	135
1785 005	3x1,0	9.2	40.6	106
1785 006	5x1,0	10.7	67.0	155
1785 007	3x1,5	9.9	60.1	130

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
1785 008	5x1,5	11.4	92.7	186
1785 009	3x2,5	11.2	92.2	169
1785 010	5x2,5	13.1	145.2	249
1785 011	3x4	12.3	138.3	223
1785 012	5x4	14.5	220.8	337
1785 013	3x6	13.5	199.0	288
1785 014	5x6	16.1	327.4	451
1785 015	3x10	16.6	328.9	452
1785 016	5x10	19.9	531.1	712
1785 017	3x16	19.0	509.1	645
1785 018	5x16	23.0	828.1	1042
1785 019	3x25	22.6	778.8	934
1785 020	5x25	28.1	1326.5	1584
1785 021	3x35	25.6	1099.0	1256
1785 022	5x35	31.6	1824.0	2094
YSLCY-OB 0,6/1 kV				
1786 001	2x0,5	8.1	19.3	73
1786 002	4x0,5	9.0	30.6	97
1786 003	2x0,75	8.4	24.6	80
1786 004	4x0,75	9.4	41.0	110
1786 005	2x1,0	8.8	30.2	89
1786 006	4x1,0	10.0	55.5	130
1786 007	2x1,5	9.3	40.8	103
1786 008	4x1,5	10.6	76.6	155
1786 009	2x2,5	10.7	67.0	137
1786 010	4x2,5	12.1	118.6	205
1786 011	2x4	11.7	98.5	176
1786 012	4x4	13.3	179.3	274
1786 013	2x6	12.8	139.6	222
1786 014	4x6	14.7	259.7	359
1786 015	2x10	15.6	223.6	334
1786 016	4x10	18.2	429.9	570
1786 017	2x16	17.9	352.1	475
1786 018	4x16	20.8	668.3	822
1786 019	2x25	21.0	534.6	670
1786 020	4x25	25.2	1049.4	1232
1786 021	2x35	23.9	756.8	902
1786 022	4x35	28.6	1473.1	1654

Other cross-sections and conductor counts available on request.

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