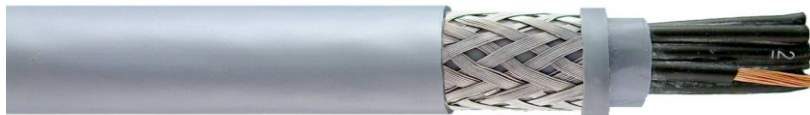


YSLYCY-JZ 0,6/1 kV, YSLYCY-OZ 0,6/1 kV
YSLYCY-JB 0,6/1 kV, YSLYCY-OB 0,6/1 kV

CONTROL AND POWER SUPPLY FLEXIBLE CABLES



APPLICATIONS

YSLYCY-JZ 0,6/1 kV, YSLYCY-OZ 0,6/1 kV, YSLYCY-JB 0,6/1 kV and **YSLYCY-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.

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

AVAILABLE UPON REQUEST

YSLYSY-JZ 0,6/1 kV, YSLYSY-OZ 0,6/1 kV, YSLYSY-JB 0,6/1 kV and **YSLYSY-OB 0,6/1 kV** – cables of enhanced protection against mechanical damage, shielded with zinc-plated steel wire braid.

YSLYCY-JZ 0,6/1 kV, YSLYCY-OZ 0,6/1 kV YSLYCY-JB 0,6/1 kV, YSLYCY-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 _o /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
YSLYCY-JZ 0,6/1 kV				
1779 001	2x0,5	9.5	22.0	101
1779 002	3x0,5	10.2	32.1	125
1779 003	4x0,5	10.8	38.4	142
1779 004	5x0,5	11.5	45.7	166
1779 005	6x0,5	12.3	51.9	189
1779 006	7x0,5	12.3	56.7	191
1779 007	8x0,5	13.0	63.3	209
1779 008	10x0,5	14.9	77.8	257
1779 009	12x0,5	15.3	88.5	282
1779 010	14x0,5	15.9	99.6	309
1779 011	16x0,5	16.7	118.0	349
1779 012	18x0,5	17.7	130.7	392
1779 013	20x0,5	18.4	142.4	426
1779 014	21x0,5	18.4	147.2	423
1779 015	27x0,5	20.7	183.2	521
1779 016	30x0,5	21.3	199.4	559
1779 017	36x0,5	23.0	232.9	658
1779 018	40x0,5	23.9	276.8	722
1779 019	44x0,5	26.0	303.9	811
1779 020	48x0,5	26.4	324.8	857
1779 021	52x0,5	27.0	346.5	907
1779 022	56x0,5	28.1	395.3	1001
1779 023	61x0,5	29.1	424.6	1074
1779 024	2x0,75	9.3	26.4	102
1779 025	3x0,75	10.0	38.7	127
1779 026	4x0,75	10.6	47.8	146
1779 027	5x0,75	11.3	56.5	170
1779 028	6x0,75	12.0	65.5	194
1779 029	7x0,75	12.0	72.7	198
1779 030	8x0,75	12.7	82.0	218
1779 031	10x0,75	14.6	101.0	269
1779 032	12x0,75	14.9	116.2	296
1779 033	14x0,75	15.6	132.4	328
1779 034	16x0,75	16.3	155.2	369
1779 035	18x0,75	17.3	173.0	414
1779 036	20x0,75	18.0	189.2	451

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
1779 037	21x0,75	18.0	196.4	451
1779 038	27x0,75	20.0	245.8	547
1779 039	30x0,75	20.8	269.9	599
1779 040	36x0,75	22.4	317.4	705
1779 041	40x0,75	23.1	348.4	754
1779 042	44x0,75	25.4	407.0	870
1779 043	48x0,75	25.7	437.1	921
1779 044	52x0,75	26.3	468.4	977
1779 045	56x0,75	27.0	500.1	1038
1779 046	61x0,75	28.1	565.7	1142
1779 047	2x1,0	10.1	36.6	123
1779 048	3x1,0	10.5	47.8	143
1779 049	4x1,0	11.2	58.6	166
1779 050	5x1,0	12.0	70.3	195
1779 051	6x1,0	12.7	82.0	223
1779 052	7x1,0	12.7	91.6	229
1779 053	8x1,0	13.7	103.9	259
1779 054	10x1,0	15.5	127.4	311
1779 055	12x1,0	15.9	147.6	346
1779 056	14x1,0	16.7	175.6	391
1779 057	16x1,0	17.7	197.9	443
1779 058	18x1,0	18.5	219.6	488
1779 059	20x1,0	19.2	240.9	533
1779 060	21x1,0	19.2	250.5	533
1779 061	27x1,0	21.9	315.9	671
1779 062	30x1,0	22.5	346.6	723
1779 063	36x1,0	24.3	432.0	866
1779 064	40x1,0	25.5	474.6	951
1779 065	44x1,0	27.5	546.8	1064
1779 066	48x1,0	28.1	587.3	1142
1779 067	52x1,0	29	630.4	1226
1779 068	56x1,0	29.7	672.6	1302
1779 069	61x1,0	30.5	724.7	1385
1779 070	2x1,5	10.7	47.8	139
1779 071	3x1,5	11.1	63.2	162
1779 072	4x1,5	11.9	79.7	191

YSLYCY-JZ 0,6/1 kV, YSLYCY-OZ 0,6/1 kV YSLYCY-JB 0,6/1 kV, YSLYCY-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
1779 073	5x1,5	12.7	96.4	225
1779 074	6x1,5	13.7	113.5	265
1779 075	7x1,5	13.7	127.9	273
1779 076	8x1,5	14.6	144.2	303
1779 077	10x1,5	16.7	185.2	373
1779 078	12x1,5	17.4	216.2	425
1779 079	14x1,5	18.1	247.1	472
1779 080	16x1,5	18.9	278.4	526
1779 081	18x1,5	19.8	310.0	581
1779 082	20x1,5	20.9	342.2	648
1779 083	21x1,5	20.9	356.6	649
1779 084	27x1,5	23.7	472.7	827
1779 085	30x1,5	24.7	520.0	907
1779 086	36x1,5	26.6	613.6	1069
1779 087	40x1,5	27.6	700.9	1172
1779 088	44x1,5	30.0	770.2	1308
1779 089	48x1,5	30.5	830.3	1392
1779 090	52x1,5	31.4	891.8	1494
1779 091	56x1,5	32.5	955.2	1605
1779 092	61x1,5	33.3	1031.4	1709
1779 093	2x2,5	11.9	70.1	176
1779 094	3x2,5	12.5	95.6	214
1779 095	4x2,5	13.6	122.5	262
1779 096	5x2,5	14.6	149.0	313
1779 097	6x2,5	15.6	175.6	364
1779 098	7x2,5	15.6	199.6	378
1779 099	8x2,5	16.8	233.5	430
1779 100	10x2,5	19.4	289.5	531
1779 101	12x2,5	20.0	339.4	600
1779 102	14x2,5	21.1	390.9	683
1779 103	16x2,5	22.3	441.9	775
1779 104	18x2,5	23.6	515.5	882
1779 105	20x2,5	25.0	568.6	990
1779 106	21x2,5	25.0	592.6	994
1779 107	27x2,5	28.4	776.0	1265
1779 108	30x2,5	29.5	853.9	1385
1779 109	36x2,5	31.8	1009.1	1636
1779 110	40x2,5	33.0	1111.4	1775
1779 111	44x2,5	35.7	1220.6	1959
1779 112	48x2,5	36.4	1320.3	2107
1779 113	52x2,5	37.5	1426.0	2267
1779 114	56x2,5	38.5	1522.4	2412
1779 115	61x2,5	39.6	1648.1	2579
1779 116	2x4	12.9	101.4	213
1779 117	3x4	13.7	142.3	269
1779 118	4x4	14.8	183.2	325
1779 119	5x4	15.9	224.4	392
1779 120	7x4	17.4	312.2	497
1779 121	2x6	14.1	142.9	267
1779 122	3x6	14.8	202.4	336
1779 123	4x6	16.1	269.8	418
1779 124	5x6	17.6	331.9	516
1779 125	7x6	18.9	451.2	642

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
1779 126	2x10	17.2	234.8	408
1779 127	3x10	18.1	333.5	526
1779 128	4x10	19.7	434.5	653
1779 129	5x10	21.6	536.4	813
1779 130	7x10	23.7	755.9	1059
1779 131	2x16	19.5	357.1	555
1779 132	3x16	20.8	514.7	742
1779 133	4x16	22.8	673.9	941
1779 134	5x16	25.5	858.6	1212
1779 135	7x16	28.0	1201.3	1581
1779 136	2x25	23.1	540.4	784
1779 137	3x25	25.0	808.6	1094
1779 138	4x25	27.5	1084.4	1404
1779 139	5x25	30.3	1338.2	1765
1779 140	7x25	33.3	1833.0	2289
1779 141	2x35	25.9	764.2	1043
1779 142	3x35	27.6	1132.9	1429
1779 143	4x35	30.6	1483.8	1839
1779 144	5x35	33.8	1835.6	2314
1779 145	7x35	37.3	2530.0	3040
1779 146	2x50	32.7	1109.8	1557
1779 147	3x50	34.9	1600.4	2112
1779 148	4x50	38.6	2098.9	2715
1779 149	5x50	42.6	2599.0	3425
1779 150	7x50	47.0	3580.2	4478
YSLYCY-OZ 0,6/1 kV				
1780 001	2x0,5	9.5	22.0	101
1780 002	3x0,5	10.2	32.1	125
1780 003	4x0,5	10.8	38.4	142
1780 004	5x0,5	11.5	45.7	166
1780 005	7x0,5	12.3	56.7	191
1780 006	2x0,75	9.3	26.4	102
1780 007	3x0,75	10.0	38.7	127
1780 008	4x0,75	10.6	47.8	146
1780 009	5x0,75	11.3	56.5	170
1780 010	7x0,75	12.0	72.7	198
1780 011	2x1,0	10.1	36.6	123
1780 012	3x1,0	10.5	47.8	143
1780 013	4x1,0	11.2	58.6	166
1780 014	5x1,0	12.0	70.3	195
1780 015	7x1,0	12.7	91.6	229
1780 016	2x1,5	10.7	47.8	139
1780 017	3x1,5	11.1	63.2	162
1780 018	4x1,5	11.9	79.7	191
1780 019	5x1,5	12.7	96.4	225
1780 020	7x1,5	13.7	127.9	273
1780 021	2x2,5	11.9	70.1	176

YSLYCY-JZ 0,6/1 kV, YSLYCY-OZ 0,6/1 kV YSLYCY-JB 0,6/1 kV, YSLYCY-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
1780 022	3x2,5	12.5	95.6	214
1780 023	4x2,5	13.6	122.5	262
1780 024	5x2,5	14.6	149.0	313
1780 025	7x2,5	15.6	199.6	378
1780 026	2x4	12.9	101.4	213
1780 027	3x4	13.7	142.3	269
1780 028	4x4	14.8	183.2	325
1780 029	5x4	15.9	224.4	392
1780 030	7x4	17.4	312.2	497
1780 031	2x6	14.1	142.9	267
1780 032	3x6	14.8	202.4	336
1780 033	4x6	16.1	269.8	418
1780 034	5x6	17.6	331.9	516
1780 035	7x6	18.9	451.2	642
1780 036	2x10	17.2	234.8	408
1780 037	3x10	18.1	333.5	526
1780 038	4x10	19.7	434.5	653
1780 039	5x10	21.6	536.4	813
1780 040	7x10	23.7	755.9	1059
1780 041	2x16	19.5	357.1	555
1780 042	3x16	20.8	514.7	742
1780 043	4x16	22.8	673.9	941
1780 044	5x16	25.5	858.6	1212
1780 045	7x16	28	1201.3	1581
1780046	2x25	23.1	540.4	784
1780047	3x25	25	808.6	1094
1780048	4x25	27.5	1084.4	1404
1780049	5x25	30.3	1338.2	1765
1780050	7x25	33.3	1833	2289
1780 051	2x35	25.9	764.2	1043
1780 052	3x35	27.6	1132.9	1429
1780 053	4x35	30.6	1483.8	1839
1780 054	5x35	33.8	1835.6	2314
1780 055	7x35	37.3	2530	3040
1780 056	2x50	32.7	1109.8	1557
1780 057	3x50	34.9	1600.4	2112
1780 058	4x50	38.6	2098.9	2715
1780 059	5x50	42.6	2599	3425
1780 060	7x50	47	3580.2	4478
YSLYCY-JB 0,6/1 kV				
1781 001	3x0,5	10.2	32.1	125
1781 002	5x0,5	11.5	45.7	166
1781 003	3x0,75	10	38.7	127

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
1781 004	5x0,75	11.3	56.5	170
1781 005	3x1,0	10.5	47.8	143
1781 006	5x1,0	12	70.3	195
1781 007	3x1,5	11.1	63.2	162
1781 008	5x1,5	12.7	96.4	225
1781 009	3x2,5	12.5	95.6	214
1781 010	5x2,5	14.6	149	313
1781 011	3x4	13.7	142.3	269
1781 012	5x4	15.9	224.4	392
1781 013	3x6	14.8	202.4	336
1781 014	5x6	17.6	331.9	516
1781 015	3x10	18.1	333.5	526
1781 016	5x10	21.6	536.4	813
1781 017	3x16	20.8	514.7	742
1781 018	5x16	25.5	858.6	1212
1781 019	3x25	25	808.6	1094
1781 020	5x25	30.3	1338.2	1765
1781 021	3x35	27.6	1132.9	1429
1781 022	5x35	33.8	1835.6	2314
1781 023	3x50	34.9	1600.4	2112
1781 024	5x50	42.6	2599	3425
YSLYCY-OB 0,6/1 kV				
1782 001	2x0,5	9.5	22	101
1782 002	4x0,5	10.8	38.4	142
1782 003	2x0,75	9.3	26.4	102
1782 004	4x0,75	10.6	47.8	146
1782 005	2x1,0	10.1	36.6	123
1782 006	4x1,0	11.2	58.6	166
1782 007	2x1,5	10.7	47.8	139
1782 008	4x1,5	11.9	79.7	191
1782 009	2x2,5	11.9	70.1	176
1782 010	4x2,5	13.6	122.5	262
1782 011	2x4	12.9	101.4	213
1782 012	4x4	14.8	183.2	325
1782 013	2x6	14.1	142.9	267
1782 014	4x6	16.1	269.8	418
1782 015	2x10	17.2	234.8	408
1782 016	4x10	19.7	434.5	653
1782 017	2x16	19.5	357.1	555
1782 018	4x16	22.8	673.9	941
1782 019	2x25	23.1	540.4	784
1782 020	4x25	27.5	1084.4	1404
1782 021	2x35	25.9	764.2	1043
1782 022	4x35	30.6	1483.8	1839
1782 023	2x50	32.7	1109.8	1557
1782 024	4x50	38.6	2098.9	2715

Other cross-sections and conductor counts available on request.

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