

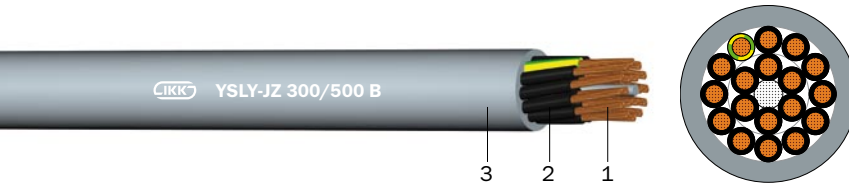


INTERKABEL KYIV

YSLY-JZ (-OZ) (SKW-Controlflex) 300/500 V

Control cable, unscreened

DESIGN



- 1 | Copper conductor, fine wire (–F)
- 2 | Core insulation (PVC), cores stranded in layers
- 3 | Sheath (PVC grey RAL 7001 or blue RAL 5012 for intrinsically safe installations), partially oil resistant

APPLICATION

For the electrical connection of components of production machines and machine tools. Shows some resistance to all-purpose mineral oil and is not designed for permanent usage in oil baths. The cable is designed for use in buildings and should be installed with mechanical protection.

TECHNICAL DATA



Standard:
SKW – internal standard



Rated voltage:
300/500 V



Test voltage:
4kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature:
 –fixed: –40 °C to +80 °C
 –in motion: –5 °C to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +150 °C/5 s



Bending radius (min.):
4 x Ø of cable



Core identification:
black with number printing, protective conductor green/yellow (outer layer)



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine

YSLY-JZ (-OZ) (SKW-Controlflex) 300/500 V

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
YSLY-JZ (-OZ) (SKW-Controlflex)300/500 V			
2 X 0,5	4,8	39,000	36
3 G 0,5	5,0	39,000	42
4 G 0,5	5,7	39,000	55
5 G 0,5	6,2	39,000	65
7 G 0,5	6,7	39,000	81
10 G 0,5	8,8	39,000	129
12 G 0,5	9,0	39,000	142
14 G 0,5	9,5	39,000	158
16 G 0,5	10,0	39,000	176
18 G 0,5	10,7	39,000	202
21 G 0,5	11,3	39,000	229
25 G 0,5	12,9	39,000	284
30 G 0,5	13,5	39,000	330
34 G 0,5	14,5	39,000	375
40 G 0,5	15,0	39,000	410
50 G 0,5	17,0	39,000	520
61 G 0,5	19,6	39,000	620
2 X 0,75	5,2	26,000	44
3 G 0,75	5,4	26,000	53
4 G 0,75	6,2	26,000	68
5 G 0,75	6,8	26,000	83
6 G 0,75	7,0	26,000	99
7 G 0,75	7,3	26,000	104
10 G 0,75	9,6	26,000	165
12 G 0,75	9,9	26,000	183
16 G 0,75	11,4	26,000	240
18 G 0,75	11,9	26,000	267
21 G 0,75	12,8	26,000	303
25 G 0,75	14,3	26,000	376
34 G 0,75	16,3	26,000	496
41 G 0,75	18,3	26,000	620
50 G 0,75	19,2	26,000	698
61 G 0,75	20,5	26,000	790
2 X 1	5,5	19,500	51
3 G 1	5,9	19,500	64
4 G 1	6,5	19,500	80
5 G 1	7,2	19,500	99
7 G 1	8,0	19,500	127
10 G 1	11,5	19,500	200
12 G 1	10,8	19,500	223
14 G 1	11,3	19,500	249
16 G 1	12,0	19,500	286

Subject to technical changes.



INTERKABEL KYIV

YSLY-JZ (-OZ) (SKW-Controlflex) 300/500 V

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
YSLY-JZ (-OZ) (SKW-Controlflex) 300/500 B			
18 G 1	12,7	19,500	316
21 G 1	13,6	19,500	369
25 G 1	14,5	19,500	456
30 G 1	16,4	19,500	530
34 G 1	17,4	19,500	591
50 G 1	20,9	19,500	855
61 G 1	24,0	19,500	1 050
2 X 1,5	6,3	13,300	69
3 G 1,5	6,6	13,300	84
4 G 1,5	7,3	13,300	105
5 G 1,5	8,2	13,300	132
6 G 1,5	8,5	13,300	158
7 G 1,5	8,9	13,300	168
10 G 1,5	11,6	13,300	263
12 G 1,5	12,0	13,300	294
14 G 1,5	12,8	13,300	336
16 G 1,5	13,5	13,300	377
18 G 1,5	14,4	13,300	426
21 G 1,5	15,2	13,300	488
25 G 1,5	17,5	13,300	612
32 G 1,5	18,5	13,300	700
34 G 1,5	19,7	13,300	795
42 G 1,5	22,2	13,300	999
50 G 1,5	23,6	13,300	1 148
61 G 1,5	27,0	13,300	1 450
2 X 2,5	7,6	7,980	106
3 G 2,5	8,1	7,980	132
4 G 2,5	9,0	7,980	167
5 G 2,5	10,1	7,980	211
7 G 2,5	11,2	7,980	273
12 G 2,5	15,1	7,9800	475
18 G 2,5	18,0	7,9800	688
25 G 2,5	22,1	7,980	993
34 G 2,5	30,0	7,980	1 384
50 G 2,5	32,5	7,980	1 860
2 X 4	9,0	4,950	138
3 G 4	9,9	4,950	205
4 G 4	11,2	4,950	263
5 G 4	12,6	4,950	332
7 G 4	13,7	4,950	422
3 G 6	11,2	3,300	278
4 G 6	12,6	3,300	358

Subject to technical changes.



INTERKABEL KYIV

YSLY-JZ (-OZ) (SKW-Controlflex) 300/500 V

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
YSLY-JZ (-OZ) (SKW-Controlflex) 300/500 B			
5 G 6	14,1	3,300	453
7 G 6	15,6	3,300	587
4 G 10	16,5	1,910	620
5 G 10	18,4	1,910	778
7 G 10	20,1	1,910	1 001
4 G 16	19,6	1,210	938
5 G 16	21,9	1,210	1 178
7 G 16	23,9	1,210	1 518
4 G 25	27,0	0,780	1 590
5 G 25	30,0	0,780	1 954
7 G 25	38,0	0,780	2 563
4 G 35	29,0	0,554	2 113
5 G 35	33,0	0,554	2 635
4 G 50	35,0	0,386	2 950

Subject to technical changes.

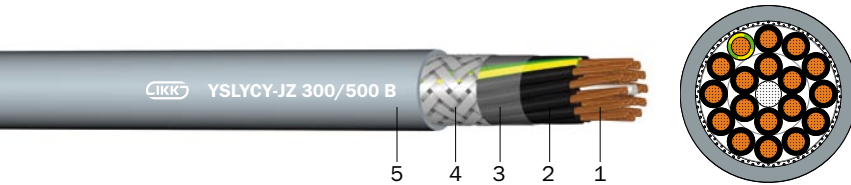


INTERKABEL KYIV

YSLCY-JZ (-OZ) (SKW-Controlflex-C) 300/500 V

Control cable, screened

DESIGN



- 1 | Copper conductor, fine wire (–F)
- 2 | Core insulation (PVC), cores stranded in layers
- 3 | Inner covering (plastic tape)
- 4 | Braided screen (tinned copper wires)
- 5 | Sheath (PVC grey RAL 7001 or blue RAL 5012 for intrinsically safe installations), partially oil resistant

APPLICATION

For the electrical connection of components of production machines and machine tools if a certain level of electronic screening is required. Shows some resistance to all-purpose mineral oil and is not designed for permanent usage in oil baths. The cable is designed for use within buildings and should be installed with mechanical protection.

TECHNICAL DATA



Standard:
SKW – internal standard



Rated voltage:
300/500 V



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature:
 – fixed: –40 °C to +80 °C
 – in motion: –5 °C to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +150 °C/5 s



Bending radius (min.):
4 x Ø of cable



Core identification:
black with number printing, protective conductor green/yellow (outer layer)



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine



INTERKABEL KYIV

YSLCY-JZ (-OZ) (SKW-Controlflex-C) 300/500 V

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
YSLCY-JZ (-OZ) (SKW-Controlflex-C)300/500 V			
2 X 0,5	5,6	39,000	45,0
3 G 0,5	6,1	39,000	56,0
4 G 0,5	6,7	39,000	68,0
5 G 0,5	7,3	39,000	80,0
7 G 0,5	7,9	39,000	100,0
10 G 0,5	9,0	39,000	143,0
12 G 0,5	10,4	39,000	160,0
14 G 0,5	11,0	39,000	180,0
16 G 0,5	11,5	39,000	202,0
21 G 0,5	12,8	39,000	252,0
25 G 0,5	14,5	39,000	318,0
30 G 0,5	15,3	39,000	363,0
34 G 0,5	16,3	39,000	420,0
40 G 0,5	17,3	39,000	465,0
50 G 0,5	19,6	39,000	575,0
61 G 0,5	20,8	39,000	675,0
2 X 0,75	6,5	26,000	63,0
3 G 0,75	7,0	26,000	65,0
4 G 0,75	9,5	26,000	79,0
5 G 0,75	7,6	26,000	95,0
7 G 0,75	8,2	26,000	120,0
8 G 0,75	9,0	26,000	134,0
10 G 0,75	10,5	26,000	168,0
12 G 0,75	10,9	26,000	190,0
16 G 0,75	12,1	26,000	241,0
18 G 0,75	12,7	26,000	268,0
21 G 0,75	13,7	26,000	319,0
25 G 0,75	15,2	26,000	377,0
34 G 0,75	17,0	26,000	497,0
44 G 0,75	19,2	26,000	600,0
50 G 0,75	20,6	26,000	695,0
61 G 0,75	23,0	26,000	720,0
2 X 1	6,5	19,500	63,0
3 G 1	6,9	19,500	76,0
4 G 1	7,5	19,500	94,0
5 G 1	8,2	19,500	110,0
7 G 1	8,9	19,500	141,0
10 G 1	11,4	19,500	202,0
12 G 1	11,8	19,500	232,0
14 G 1	12,4	19,500	259,0
16 G 1	13,0	19,500	305,0
18 G 1	14,2	19,500	342,0
21 G 1	15,0	19,500	386,0
25 G 1	17,0	19,500	464,0

Subject to technical changes.

YSLCY-JZ (-OZ) (SKW-Controflex-C) 300/500 V

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
YSLCY-JZ (-OZ) (SKW-Controflex-C) 300/500 B			
30 G 1	17,6	19,500	530,0
34 G 1	19,1	19,500	604,0
50 G 1	22,6	19,500	849,0
2 X 1,5	7,7	13,300	97,0
3 G 1,5	8,1	13,300	106,0
4 G 1,5	8,9	13,300	131,0
5 G 1,5	9,5	13,300	156,0
7 G 1,5	10,7	13,300	203,0
8 G 1,5	11,7	13,300	227,0
10 G 1,5	14,0	13,300	310,0
12 G 1,5	13,5	13,300	341,0
14 G 1,5	15,3	13,300	389,0
16 G 1,5	16,1	13,300	438,0
18 G 1,5	17,1	13,300	490,0
21 G 1,5	18,1	13,300	553,0
25 G 1,5	20,6	13,300	667,0
32 G 1,5	22,3	13,300	817,0
34 G 1,5	23,2	13,300	874,0
44 G 1,5	26,5	13,300	1 139,0
50 G 1,5	27,8	13,300	1 269,0
61 G 1,5	29,4	13,300	1 490,0
2 X 2,5	8,5	7,980	161,0
3 G 2,5	9,0	7,980	148,0
4 G 2,5	10,7	7,980	190,0
5 G 2,5	11,0	7,980	222,0
7 G 2,5	12,8	7,980	298,0
10 G 2,5	16,8	7,980	454,0
12 G 2,5	17,4	7,980	519,0
18 G 2,5	20,6	7,980	747,0
50 G 2,5	32,9	7,980	1 898,0
3 G 4	10,9	4,950	207,0
4 G 4	12,0	4,950	251,0
5 G 4	13,5	4,950	340,0
7 G 4	14,8	4,950	442,0
4 G 6	14,3	3,300	384,0
5 G 6	15,7	3,300	472,0
7 G 6	17,3	3,300	604,0
4 G 10	20,0	1,910	683,0
5 G 10	22,1	1,910	824,0
7 G 10	24,4	1,910	1 079,0
4 G 16	22,0	1,210	930,0
5 G 16	26,2	1,210	1 203,0
7 G 16	28,8	1,210	1 587,0

Subject to technical changes.

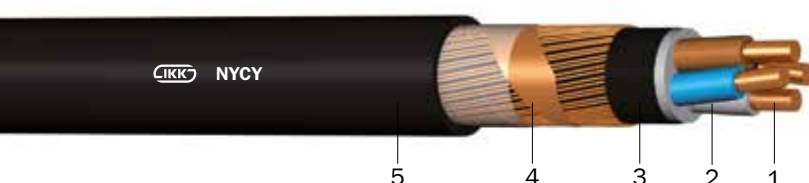


INTERKABEL KYIV

NYCY

Underground cable with PVC insulation and PVC sheath, screened

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM and PVC)
- 4 | Concentric screen (bare copper wires) and counter helix (copper tape) and plastic tape
- 5 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution and control cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – if protection against shock hazard in the event of mechanical damage or electrical screening is required.

TECHNICAL DATA



Standard:
DIN VDE 0276-603 (HD 603)



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. -5 °C
 operating temperature: -50 °C to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
20 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2



Certificate:
 UkrSepro certification in Ukraine
 CU-TR Russia, Belarus and Kazakhstan

NYCY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
NYCY			
2 x 1,5 RE/1,5	12,100	13,0	210
3 x 1,5 RE/1,5	12,100	14,0	220
4 x 1,5 RE/1,5	12,100	14,0	260
5 x 1,5 RE/1,5	12,100	15,0	325
7 x 1,5 RE/2,5	12,100	16,0	350
8 x 1,5 RE/2,5	12,100	17,0	460
10 x 1,5 RE/2,5	12,100	19,0	420
12 x 1,5 RE/2,5	12,100	20,0	480
14 x 1,5 RE/2,5	12,100	21,0	530
16 x 1,5 RE/4	12,100	22,0	700
19 x 1,5 RE/4	12,100	23,0	670
24 x 1,5 RE/6	12,100	26,0	870
30 x 1,5 RE/6	12,100	27,0	1 250
40 x 1,5 RE/10	12,100	30,0	1 560
2 x 2,5 RE/2,5	7,410	14,0	260
3 x 2,5 RE/2,5	7,410	15,0	290
4 x 2,5 RE/2,5	7,410	15,0	340
5 x 2,5 RE/2,5	7,410	16,0	390
7 x 2,5 RE/2,5	7,410	17,0	450
8 x 2,5 RE/2,5	7,410	18,0	570
10 x 2,5 RE/4	7,410	21,0	610
12 x 2,5 RE/4	7,410	22,0	670
14 x 2,5 RE/6	7,410	23,0	750
16 x 2,5 RE/6	7,410	24,0	900
19 x 2,5 RE/6	7,410	25,0	950
24 x 2,5 RE/10	7,410	28,0	1 420
30 x 2,5 RE/10	7,410	30,0	1 600
40 x 2,5 RE/10	7,410	33,0	2 000
2 x 4 RE/4	4,610	16,0	350
3 x 4 RE/4	4,610	16,0	400
4 x 4 RE/4	4,610	17,0	470
7 x 4 RE/4	4,610	20,0	600
3 x 6 RE/6	3,080	18,0	500
4 x 6 RE/6	3,080	19,0	590

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)
Subject to technical changes.