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

Adapted to DIN VDE 285, DIN EN 50525

PVC insulated and PVC sheathed, screened, UV resistant control cable

Construction:	
Conductors:	annealed copper flexible conductor, class 5 acc. to DIN VDE 0295
Insulation:	special PVC compound
Core identification:	**-JB:** one core green yellow, all other cores coloured acc. to DIN VDE 0293 **-OB:** all cores coloured acc. to VDE 0293
Taping and screening:	tinned copper braided screen (approx. 85% coverage)
Outer sheath:	special PVC compound
Colour of outer sheath:	black RAL 9005

Characteristic:	
Nominal Voltage:	0,6/1 kV
Test voltage 50Hz:	4000 V
Temperature range:	flexing: -15°C to +80°C fixed: -40°C to +80°C
Minimum bending radius:	free movement: 10 x cable ∅ fixed installation: 5 x cable ∅
Flame propagation:	acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
Standard length cable packing:	500 m or 1000 m on drums. Other forms of packing and delivery are available on request.

Application:

Cables are used as measuring and control cables in tool machines, in the machinery and tool-making industries in conveyor belts, tool machinery, production. The cables are suitable for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms as well as outside (fixed installation). Not suitable to be used as direct burial or underwater. Copper screening offers increased electromagnetic compatibility and disturbance-free transmission of signals and impulses. Black outer sheath is resistant to UV radiation.

Number and nominal cross-sectional area of conductors	Approximate overall diameter	Approximate net weight of copper	Approximate net weight of cables
n x mm²	mm	kg/km	kg/km
2 x 0.5	8,5	41,0	129,0
3 x 0.5	8,8	45,0	150,0
4 x 0.5	9,4	54,0	170,0
5 x 0.5	10,2	66,0	199,0
7 x 0.5	10,8	79,0	235,0
12 x 0.5	14,3	137,0	320,0
18 x 0.5	16,4	156,0	428,0
25 x 0.5	19,3	250,0	503,0

2	x	0.75	8,8	46,0	143,0
3	x	0.75	9,1	57,0	155,0
4	x	0.75	9,9	63,0	190,0
5	x	0.75	10,6	76,0	228,0
7	x	0.75	11,5	100,0	323,0
12	x	0.75	15,0	175,0	410,0
18	x	0.75	17,2	240,0	560,0
25	x	0.75	20,6	306,0	730,0
2	x	1	9,2	54,0	150,0
3	x	1	9,8	64,0	163,0
4	x	1	10,4	76,0	200,0
5	x	1	11,4	89,0	239,0
7	x	1	12,3	114,0	289,0
12	x	1	15,9	186,0	464,0
18	x	1	18,2	284,0	628,0
25	x	1	22,0	387,0	855,0
2	x	1.5	10,4	64,0	162,0
3	x	1.5	10,8	82,0	187,0
4	x	1.5	11,5	99,0	240,0
5	x	1.5	13,0	123,0	289,0
7	x	1.5	14,2	148,0	383,0
12	x	1.5	18,4	274,0	592,0
18	x	1.5	21,3	386,0	806,0
25	x	1.5	25,4	531,0	1241,0
2	x	2.5	11,8	110,0	272,0
3	x	2.5	12,8	148,0	298,0
4	x	2.5	13,8	169,0	345,0
5	x	2.5	15,0	220,0	427,0
7	x	2.5	16,3	284,0	561,0
12	x	2.5	21,6	470,0	857,0
18	x	2.5	25,2	572,0	1355,0
25	x	2.5	30,0	740,0	1995,0
2	x	4	13,6	124,0	306,0
3	x	4	14,6	178,0	391,0
4	x	4	15,7	234,0	527,0
5	x	4	17,2	284,0	700,0
7	x	4	18,9	321,0	920,0
12	x	4	24,5	581,0	1510,0
2	x	6	14,9	176,0	420,0
3	x	6	15,9	245,0	629,0
4	x	6	17,4	316,0	731,0
5	x	6	19,2	442,0	1105,0
7	x	6	20,9	530,0	1465,0
2	x	10	18,6	260,0	845,0
3	x	10	19,8	367,0	1125,0
4	x	10	21,5	549,0	1345,0
5	x	10	23,5	604,0	1635,0
7	x	10	25,6	820,0	2210,0
2	x	16	21,8	491,0	1150,0
3	x	16	23,4	653,0	1395,0
4	x	16	25,7	807,0	1870,0
5	x	16	28,5	940,0	2720,0
7	x	16	31,4	1345,0	3213,0