

# PVC Flexible Control Cable YSLY-JZ/OB

according to VDE 0250/0245/0281

## Application

For power supply to electrical equipments, components and machines. Indoor installation in dry or damp conditions, both for fixed and moving laying. The cable can be used in cable trays conduit or direct burial application.



Construction	
Conductor	Bare copper, fine wire conductor IEC 60228 cl.5
Insulation	Special YI2 quality PVC
Cores colour	<b>JZ: black cores with white numbering + yellow-green OB: colour cores according to VDE 0293 ** (G/Y earth core: 3 cores &amp; above)</b>
Outer sheath	YM2 quality PVC, outer sheath grey RAL 7001
Assembly	Units cable with non-hygroscopic fillers and polyester binder if necessary
Technical Data	
Nominal voltage	300/500 V
Test voltage	4000 VA.C
Insulation resistance	Min. 20 Mohm x km
Temperature range	Flexing: -5°C to +80°C      fixed installation: -40°C to +80°C
Short circuit temperature	160°C
Min. bending radius	10 x cable overall diameter
Tensile stress	15 N for mm <sup>2</sup> of copper cross section

## Specifications

No of cores x cross sec.	No/dia. of wire	Approx. overall diameter	Approx. cable weight	No of cores x cross sec.	No/dia. of wire	Approx. overall diameter	Approx. cable weight
mm <sup>2</sup>	no./mm	mm	Kg/km	mm <sup>2</sup>	no./mm	mm	Kg/km
2 x 0.50	16/0.2	4.80	35.00	4 x 4.00	56/0.3	10.9	243.00
2 x 0.75	24/0.2	5.60	48.00	4 x 6.00	84/0.3	13.1	360.00
2 x 1.00	32/0.2	5.90	56.00	4 x 10.0	80/0.4	16.4	297.00
2 x 1.50	30/0.25	6.40	70.00	4 x 16.0	128/0.4	21.2	466.00
3 x 0.50	16/0.2	5.10	42.00	4 x 25.0	200/0.4	26.2	1,434.00
3 x 0.75	24/0.2	5.90	58.00	4 x 35.0	280/0.4	29.2	943.00
3 x 1.00	32/0.2	6.20	68.00	4 x 50.0	400/0.4	33.6	1,293.00
3 x 1.50	30/0.25	6.80	85.00	5 x 0.75	24/0.2	6.90	84.00
3 x 2.50	50/0.25	8.40	133.00	5 x 1.00	32/0.2	7.40	100.00
3 x 4.00	56/0.3	10.0	197.00	5 x 1.50	30/0.25	8.30	131.00
3 x 6.00	84/0.3	11.8	283.00	5 x 2.50	50/0.25	10.2	205.00
3 x 10.0	80/0.4	15.0	474.00	5 x 4.00	56/0.3	12.2	305.00
3 x 16.0	128/0.4	19.4	374.00	5 x 6.00	84/0.3	14.6	446.00
4 x 0.50	16/0.2	5.70	53.00	5 x 10.0	80/0.4	17.9	360.00
4 x 0.75	24/0.2	6.40	70.00	5 x 16.0	128/0.4	23.3	1,135.00
4 x 1.00	32/0.2	6.70	81.00	5 x 25.0	200/0.4	28.8	874.00
4 x 1.50	30/0.25	7.40	104.00	5 x 35.0	280/0.4	32.2	1,155.00
4 x 2.50	50/0.25	9.10	164.00	6 x 6.00	84/0.3	16.0	260.00



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### Specifications

No of cores x cross sec.	No/dia. of wire	Approx. overall diameter	Approx. cable weight	No of cores x cross sec.	No/dia. of wire	Approx. overall diameter	Approx. cable weight
mm <sup>2</sup>	no./mm	mm	Kg/km	mm <sup>2</sup>	no./mm	mm	Kg/km
7 x 0.50	16/0.2	6.70	79.00	20 x 1.00	32 /0.2	13.3	170.00
7 x 0.75	24/0.2	7.50	104.00	21 x 0.50	16/0.2	11.8	233.00
7 x 1.00	32/0.2	8.20	129.00	21 x 0.75	24/0.2	12.8	148.00
7 x 1.50	30 /0.25	9.20	169.00	21 x 1.00	32/0.2	13.3	173.00
7 x 2.50	50 /0.25	11.3	133.00	21 x 1.50	30 /0.25	15.5	238
7 x 4.00	56/0.3	13.5	397.00	21 x 2.50	50 /0.25	18.9	369
7 x 6.00	84/0.3	16.0	287.00	25 x 0.75	24/0.2	14.2	173
7 x 16.0	128/0.4	25.5	1,463.00	25 x 1.00	32/0.2	15.1	208
8 x 0.75	24 / 0.2	8.20	122.00	25 x 1.50	30 /0.25	17.5	285
8 x 1.00	32/0.2	8.80	147.00	25 x 2.50	50 /0.25	21.4	443
8 x 1.50	30 /0.25	10.8	217.00	32 x 1.00	32/0.2	16.2	251
9 x 1.50	30 /0.25	11.4	120.00	34 x 1.00	32 / 0.2	16.8	267
10 x 0.75	24/0.2	9.80	157.00	34 x 1.50	30 /0.25	19.4	365
12 x 0.50	16 / 0.2	8.60	124.00	40 x 1.00	32/0.2	17.5	305
12 x 0.75	24/0.2	10.1	175.00	41 x 0.75	24 / 0.2	17.6	280
12 x 1.00	32 / 0.2	10.7	209.00	42 x 1.00	32/0.2	18.0	325
12 x 1.50	30 /0.25	12.2	141.00	50 x 1.50	30 /0.25	22.2	512
12 x 2.50	50 /0.25	14.9	217.00				
12 x 4.00	56/0.3	18.2	332.00				
14 x 0.50	16/0.2	9.50	151.00				
14 x 1.50	30 /0.25	13.0	163.00				
15 x 0.75	24 / 0.2	11.3	224.00				
16 x 0.75	24 / 0.2	11.3	229.00				
16 x 1.00	32/0.2	11.9	135.00				
16 x 1.50	30 /0.25	13.4	179.00				
18 x 0.75	24 / 0.2	11.9	128.00				
18 x 1.00	32/0.2	12.7	154.00				
15 x 1.50	30 /0.25	14.8	212.00				
18 x 2.50	50 /0.25	18.0	327.00				
19 x 1.00	32 /0.2	12.7	158.00				



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