

YSLYCY-JZ 450/750V

Control Cable



Application

In places where electro-magnetic interference and influence exists

- Instrumentation and control engineering
- Industrial electronics
- In machine production as measurement and control cable
- Production and assembly lines
- Dry, moist and wet places
- In places where low mechanical stresses exist

Construction

Conductor	: Stranded bare Cu conductor, fine wire
Conductor structure	: Stranding according to IEC 60228, Class 5
Insulation	: PVC , EN 50363-3 TI2
Stranding	: In layers of optimum pitch
Sheath	: PVC outer sheath
Sheath color	: Transparent
Rated voltage	: 450/750V
Test voltage	: 3500 VAC
Insulation resistance	: 20M Ω x Km
Temp. range	: -5°C to 70°C (Moved) -30°C to 70°C (Unmoved)
Bending radius	: 10 x outer diameter (Moved) 5 x outer diameter (Unmoved)
Flame retardant	: IEC-60332-1-2

Electrical Specification

Conductor cross-section	nom.	mm2	0.5	0.75	1	1.5	2.5
Conductor resistance	max.	Ω /Km	39	26	19.5	13.3	7.98

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Cross Section	Outer Diameter approx.	Cable Weight approx.
(mm ²)	(mm)	(kg/km)
2 x 0.5	8.40	93.42
3 x 0.5	8.80	103.14
4 x 0.5	9.30	114.35
5 x 0.5	10.20	138.92
7 x 0.5	10.70	164.35
12 x 0.5	13.30	247.36
18 x 0.5	15.30	334.35
25 x 0.5	18.20	459.24
34 x 0.5	20.20	582.39
2 x 0.75	8.80	103.84
3 x 0.75	9.20	116.86
4 x 0.75	10.00	138.31
5 x 0.75	10.70	161.02
7 x 0.75	11.30	189.27
12 x 0.75	14.10	290.45
18 x 0.75	16.50	399.36
25 x 0.75	19.60	544.32
34 x 0.75	21.60	683.04
2 x 1	9.20	116.14
3 x 1	9.50	128.79
4 x 1	10.40	154.23
5 x 1	11.10	179.73
7 x 1	11.80	214.07
12 x 1	14.70	329.98
18 x 1	17.30	457.84
25 x 1	20.60	625.90
34 x 1	22.90	807.03
2 x 1.5	10.20	145.60
3 x 1.5	10.70	166.75
4 x 1.5	11.50	195.08
5 x 1.5	12.50	235.48
7 x 1.5	13.50	288.51
12 x 1.5	16.70	438.75
18 x 1.5	20.00	629.79
25 x 1.5	23.80	859.89
34 x 1.5	26.50	1102.58
2 x 2.5	11.20	185.54
3 x 2.5	11.80	216.73
4 x 2.5	13.10	268.40
5 x 2.5	14.10	318.57
7 x 2.5	15.00	387.78
12 x 2.5	19.10	617.99
18 x 2.5	22.70	878.16
25 x 2.5	27.10	1203.66

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Cross Section	Outer Diameter approx.	Cable Weight approx.
(mm ²)	(mm)	(kg/km)
2 x 4	12.80	250.92
3 x 4	13.40	294.43
4 x 4	14.50	352.11
5 x 4	15.90	429.22
7 x 4	17.00	530.02
2 x 6	14.10	319.14
3 x 6	14.80	380.02
4 x 6	16.30	465.98
5 x 6	17.90	571.63
7 x 6	19.40	721.23
3 x 10	18.10	595.78
4 x 10	20.10	749.22
5 x 10	22.10	910.08
3 x 16	20.60	827.39
4 x 16	22.70	1034.73
5 x 16	25.20	1274.72
3 x 25	26.00	1290.16
4 x 25	28.70	1615.33
5 x 25	31.90	1991.03
3 x 35	28.80	1655.93
4 x 35	32.00	2097.31
5 x 35	35.50	2582.87
3 x 50	33.50	2296.19
4 x 50	37.50	2945.01
5 x 50	41.60	3625.97
3 x 70	37.80	3055.42
4 x 70	42.00	3877.79