

180°C JGG SILICON RUBBER INSULATED WIRE



APPLICATION

Suitable for High voltage cabinets, power systems, high-voltage motors, television receivers, transformers, and internal high-voltage connecting wires for electronic instruments and meters, etc.

Technical data

Conductor: bare copper or tinned copper

Insulation: Silicon rubber

Temperature Range: -60°C~180°C

Rated Voltage: 3000V, 6000V, 10000V



Conductor		Nominal Insulation Thickness (mm)			Nominal outer diameter (mm)			20 °C Maximum conductor resistance (Ω/km)
Nominal section (mm ²)	Number/strand Diameter (mm)	3000V	6000V	10000V	3000V	6000V	10000V	
0.5	28/0.15	2	2.5	3.6	4.9	5.9	8.1	40.1
0.75	24/0.20	2	2.5	3.6	5.2	6.2	8.4	26.7
1	32/0.20	2	2.5	3.6	5.3	6.3	8.5	20
1.5	48/0.20	2.2	2.8	3.8	6	7.2	9.2	13.7
2	40/0.25	2.2	2.8	3.8	6.3	7.5	9.5	9.9
2.5	49/0.25	2.4	3	4	6.8	8	10	8.21
4	56/0.30	2.4	3	4	7.6	8.8	10.8	5.09

The information contained within this data sheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances .

Conductor		Nominal Insulation Thickness (mm)			Nominal outer diameter (mm)			20 °C Maximum conductor resistance (Ω/km)
Nominal section (mm ²)	Number/strand Diameter (mm)	3000V	6000V	10000V	3000V	6000V	10000V	
6	84/0.30	2.6	3.2	4.2	8.8	10	12	3.39
10	84/0.40	2.6	3.2	4.2	9.8	11	13	1.95
16	126/0.40	2.8	3.5	4.5	11.4	12.8	14.8	1.24
25	196/0.40	2.8	3.5	4.5	13.2	14.6	16.6	0.795
35	494/0.30	2.8	3.7	4.8	14.4	16.2	18.5	0.565
50	396/0.40	3	3.7	4.8	16.6	18	20.2	0.393
70	551/0.40	3	3.9	5	18.8	20.6	22.8	0.277
95	760/0.40	3.2	3.9	5	21.2	22.6	24.8	0.21
120	608/0.50	3.2	4.2	5.5	23	25	27.5	0.164
150	760/0.50	3.5	4.5	5.5	25.2	27.2	29.2	0.132
185	925/0.50	3.5	4.8	5.7	27	29.6	31.5	0.108
240	1221/0.50	3.5	5.2	6	30	33.4	35	0.0817

Note: Other specifications of wires could be customized according to your requirements.