



### Voltage

0.6/1KV

### Construction

Sino-cables type overhead cable(GB standard) are manufactured with copper, aluminum or aluminum alloy conductor insulated with PVC, XLPE or PE. Two or three insulated conductors are cabled together. Single core is also available.

### Standard

GB/T 12527, or other standards required by customers.

### Features

Max permissible continuous operating temperature of conductor shall not exceed 90°C. Max temperature at short-circuit shall not exceed 250°C.

### Applications

Sino cables type overhead cable is suitable for use in overhead transmission and distribution system at 0.6/1kV.

### Package

coil, steel/wooden reel, wooden reel or steel reel.



[www.sino-cables.com](http://www.sino-cables.com)

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## Type, Description and Application

Type	Description	Application
JKV	Copper conductor PVC insulated overhead cable	It is suitable for use in overhead line for fixed installation indoors or outdoors. The Type JKTRYJ cable with flexible conductor can be connected to secondary terminal of transformer. During running of the cable, it is permitted to be touched by branches, but a distance between cable and trees should be kept during installation.
JKLV	Aluminum conductor PVC insulated overhead cable	
JKLHV	Aluminum alloy conductor PVC insulated overhead cable	
JKY	Copper conductor PE insulated overhead cable	
JKLY	<b>Aluminum</b> conductor PE insulated overhead cable	
JKLHY	Aluminum alloy conductor PE insulated overhead cable	
JKYJ	Copper conductor XLPE insulated overhead cable	
JKLYJ	Aluminum conductor XLPE insulated overhead cable	
JKLHYJ	Aluminum alloy conductor XLPE insulated overhead cable	
JKTRY	Flexible copper conductor PE insulated overhead cable	
JKTRYJ	Flexible copper conductor XLPE insulated overhead cable	
JKLYJ/B	Aluminum conductor natural color XLPE insulated overhead cable	
JKLHYJ/B	Aluminum alloy conductor natural color XLPE insulated overhead cable	
JKLYJ/Q	Aluminum conductor light duty thin layer XLPE insulated overhead cable	
JKLHYJ/Q	Aluminum alloy conductor light duty thin layer XLPE insulated overhead cable	
JKLY/Q	Aluminum conductor light duty thin layer PE insulated overhead cable	
JKLHY/Q	Aluminum alloy conductor light duty thin layer PE insulated overhead cable	

## 0.6/1kV Overhead Insulated Cable 1-core

Nominal Area of Conductor	Approx Overall Dia . of Cable	Max DC Conductor Resistance at 20°C				Approximate Weight of Cable			
		Hard Copper	Soft Copper	Al	Al Alloy	JKV	JKLV JKLHV	JKY JKY J	JKLYJ JKLHY JKLHYJ
sq.mm	mm	Ω/km	Ω/km	Ω/km	Ω/km	kg/km	kg/km	kg/km	kg/km
10	6.0	1.906	1.830	3.080	3.547	112	50	105	43
16	7.4	1.198	1.150	1.910	2.217	177	77	165	65
25	8.6	0.749	0.727	1.200	1.303	109	109	250	95
35	10.0	0.540	0.542	0.868	1.007	366	150	348	131
50	11.3	0.399	0.387	0.641	0.714	508	199	487	177
70	13.0	0.276	0.268	0.443	0.514	697	264	672	239
95	15.0	0.199	0.193	0.320	0.371	743	355	916	322
120	16.4	0.158	0.153	0.253	0.294	1175	433	1139	397
150	18.4	0.123	-----	0.206	0.239	1469	541	1124	496
185	20.4	0.1021	-----	0.164	0.190	1111	667	1756	611
240	23.0	0.0777	-----	0.125	0.145	2340	855	2271	787

\*All values are nominal and subject to correction.



### 0.6/1kV Overhead Insulated Cable 2-core

Nominal Area of Conductor	Approx Overall Dia . of Cable	Max DC Conductor Resistance at 20°C				Approximate Weight of Cable			
		Hard Copper	Soft Copper	Al	Al Alloy	JKV	JKLV JKLHV	JKY JKY J	JKLYJ JKLHY JKLHYJ
sq.mm	mm	Ω/km	Ω/km	Ω/km	Ω/km	kg/km	kg/km	kg/km	kg/km
2×10	12.0	1.906	1.830	3.080	3.547	225.5	100.7	211.4	86.5
2×16	14.8	1.198	1.150	1.910	2.217	356.3	155.0	322.1	132.9
2×25	17.2	0.749	0.727	1.200	1.303	529.4	219.4	503.3	190.2
2×35	20.0	0.540	0.524	0.868	1.007	736.8	301.9	700.5	203.7
2×50	22.6	0.399	0.387	0.641	0.714	1022.6	400.6	980.0	365.3
2×70	26.0	0.276	0.268	0.443	0.514	1403.1	531.4	1352.7	481.1
2×95	30.0	0.199	0.193	0.320	0.371	1898.3	714.6	1637.1	618.0
2×120	32.8	0.158	0.153	0.253	0.294	2365.3	871.6	2292.5	799.2

\*All values are nominal and subject to correction.

### 0.6/1kV Overhead Insulated Cable 4-core

Nominal Area of Conductor	Approx Overall Dia . of Cable	Max DC Conductor Resistance at 20°C				Approximate Weight of Cable			
		Hard Copper	Soft Copper	Al	Al Alloy	JKV	JKLV JKLHV	JKY JKY J	JKLYJ JKLHY JKLHYJ
sq.mm	mm	Ω/km	Ω/km	Ω/km	Ω/km	kg/km	kg/km	kg/km	kg/km
4×10	14.5	1.906	1.830	3.080	3.547	450.3	201.3	422.7	173.1
4×16	17.9	1.198	1.150	1.910	2.217	1012.6	310.0	664.3	265.7
4×25	20.8	0.749	0.727	1.200	1.303	1058.6	438.8	1006.3	382.5
4×35	21.4	0.540	0.524	0.868	1.007	1473.5	603.0	1401.0	527.4
4×50	27.2	0.399	0.387	0.641	0.714	2045.2	801.2	1960.7	712.6
4×70	31.4	0.276	0.268	0.443	0.514	2806.1	1062.8	2705.5	962.2
4×95	36.2	0.199	0.193	0.320	0.371	3796.5	1429.2	3664.7	1296.4
4×120	39.6	0.158	0.153	0.253	0.294	4730.5	1743.2	4585.7	1518.3

\*All values are nominal and subject to correction.