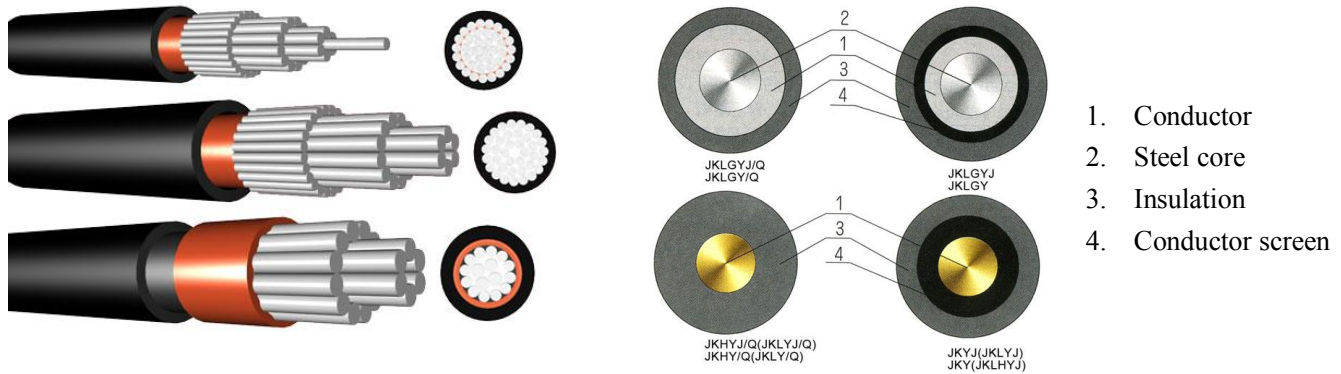




BEIJING HUAYUAN GAOKE CABLE CO.,LTD.
Daxing Industrial District, Beijing, China
 www.bjhygkable.com Tel: +86-010-80261008 Fax: +86-010-89233216

Aerial Insulated Cables Within Rated Voltage Up To Including 0.6/1KV



1. Conductor
2. Steel core
3. Insulation
4. Conductor screen

■ Product standard

The product is manufactured according to the standards of GB12527-90 “Aerial insulated cables of rated voltages up to and including 1KV” and IEC60502 “Extruded solid dielectric power cables for rated voltage from 1KV to 30KV”.

■ Operating characteristics

1. Rated voltage U_0/U : 0.6/1kV
2. Max. permissible continuous temperature:
 - PVC、 PE insulated aerial cables:70℃
 - XLPE insulated aerial cables:90℃
3. Max. short-circuit temperature of the conductor shall not exceed:
 - PVC insulated aerial cables:160℃ ;
 - PE insulated aerial cables:130℃ ;
 - XLPE insulated aerial cables:250℃.
4. The installation ambient temperature should not below -20℃.
5. The bending radiuses of cables are recommended as follows:
 - When the diameter of cables less than 25mm: not less than 4 times the diameter of cables;
 - When the diameter of cables not less than 25mm: not less than 6 times the diameter of cables.
6. When the cables use in alternating current system, rated voltage of cables should be at least equal the rated voltage of the system;
 - When the cables use in direct current system, rated voltage should be not greater than 1.5 times of the rated voltage of the cables.

■ Type of cables

Type	Name	Main Usage
JKV	Copper conductor PVC insulated aerial cables	The cables fit for overhead fixed-installation, service line and so on.
JKLV	Aluminum conductor PVC insulated aerial cables	
JKY	Copper conductor PE insulated aerial cables	
JKLY	Aluminum conductor PE insulated aerial cables	
JKYJ	Copper conductor XLPE insulated aerial cables	
JKLYJ	Aluminum conductor XLPE insulated aerial cables	
JKLGV	ACSR conductor PVC insulated aerial cables	

Infinite Power

Achieve Infinite Light



BEIJING HUAYUAN GAOKE CABLE CO.,LTD.
Daxing Industrial District, Beijing, China
 www.bjhygkable.com Tel: +86-010-80261008 Fax: +86-010-89233216

JKLGY	ACSR conductor PE insulated aerial cables
JKLGYJ	ACSR conductor XLPE insulated aerial cables

■ **Production range of cable**

Type	Cores Number	Rated Voltage KV	Nominal Cross Section mm ²
JKV、JKLV、JKLHY、JKY、JKLY、JKLHY、JKYJ、JKLYJ、JKLHYJ、JKLGV、JKLGY、JKLGYJ	1	0.6/1	10~240
	2+4		10~240
JKLV、JKLY、JKLYJ	3+K*		10~240

■ **Construction of cable**

1. Conductor
2. Steel core
3. Insulation
4. Conductor screen

■ **Construction and main technical data**

0.6/1KV single-core, insulated aerial cable									
Nominal cross-sectional area of conductor	Max. Diameter of cable	Cable calculated Weight				Min. Tensile force of cable		Current carrying	
		JKY JKYJ	JKLY JKLYJ	JKV	JKLV	Cu	Al	in air	
								Cu	Al
mm ²	mm	kg/km	kg/km	kg/km	kg/km	N	N	A	A
16	8.0	178	80	176	77.3	5486	2512	84	67
25	9.4	266	112	277.7	119.9	8465	3762	107	88
35	11.0	366	150	375.0	156.1	11731	5177	134	108
50	12.3	510	200	501.3	205.4	16502	7011	172	136
70	14.1	697	264	706.5	278.8	23461	10354	207	168
95	16.5	945	358	974.4	383.3	31759	13727	257	208
120	18.1	1175	435	1209.8	460.7	39911	17339	295	240
150	20.2	1470	512	1488.6	570.7	49505	21033	360	276
185	22.5	1813	590	1865.0	714.3	61846	26732	412	320
240	25.6	2343	668	2437.0	918.5	79823	34679	496	384

0.6/1KV Two-core, insulated aerial cable										
Nominal cross-sectional area of conductor	Max. Diameter of cable	Cable calculated Weight				Min. Tensile force of cable			Current carrying	
		JKV	JKY JKYJ	JKLV JKLHV	JKLY JKLYJ JKJHY JKLHYJ	Hard copper	Aluminum	Aluminum Alloy	in air	
									Cu	Al

Infinite Power

Achieve Infinite Light



BEIJING HUAYUAN GAOKE CABLE CO.,LTD.
Daxing Industrial District, Beijing, China
 www.bjhygkable.com Tel: +86-010-80261008 Fax: +86-010-89233216

mm ²	mm	kg/km	kg/km	kg/km	kg/km	N	N	N	A	A
10	11.6	228	216	102	89	10972	5024	8044	59	44
16	14.4	361	343	158	140	16930	7524	12568	102	79
25	16.8	521	500	217	195	22462	10354	17600	138	107
35	19.6	733	704	302	272	33004	14022	25138	170	132
50	22.2	969	937	387	352	46922	20708	35192	209	162
70	25.2	1336	1300	513	473	63518	27454	47760	266	207
95	29.4	1882	1835	715	662	79822	34678	60328	332	257
120	32.2	2348	2297	872	815	99010	42066	75412	384	299
150	36.2	2954	2889	1098	1025	123692	53464	93006	442	342
185	40.0	3536	3456	1320	1231	159646	69358	120658	515	399
240	45.3	4609	4510	1709	1597	199576	86698	150822	615	476

0.6/1KV Four-core, insulated aerial cable										
Nominal cross-sectional area of conductor	Max. Diameter of cable	Cable calculated Weight				Min. Tensile force of cable			Current carrying	
		JKV JKY JKYJ	JKLV JKLHV	JKLY JKLYJ	JKJHY JKLHYJ	Hard copper	Aluminum	Aluminum Alloy	in air	
									Cu	Al
mm ²	mm	kg/km	kg/km	kg/km	kg/km	N	N	N	A	A
10	11.6	456	434	204	179	13884	6600	10056	59	44
16	14.4	721	678	316	280	21944	10048	160088	102	79
25	16.8	1040	1001	433	390	33860	15048	25136	138	107
35	19.6	1464	1410	504	546	46924	20708	35200	170	132
50	22.2	1936	1876	773	706	66008	28044	50276	209	162
70	25.2	2669	2601	1025	948	93844	41416	70384	266	207
95	29.4	3761	3672	1429	1327	127036	54908	95520	332	257
120	32.2	4692	4597	1744	1632	159644	69356	120656	384	299
150	36.2	5903	5782	2197	2054	198020	84132	150824	442	342
185	40.0	7065	6916	2641	2466	247684	106928	186012	515	399
240	45.3	9210	9026	3418	3199	319282	138716	241316	615	476

0.6/1KV Three-core and the weight bearing insulated aerial cable				
Nominal cross-sectional area of conductor	Cable approx. diameter	Cable approx Weight		Tensile force of cable
		JKLY	JKLV JKLYJ	Aluminum
mm ²	mm	Kg/km	Kg/km	N
10	12.5	153	134	4950
16	15.5	237	209	7536

Infinite Power

Achieve Infinite Light



BEIJING HUAYUAN GAOKE CABLE CO.,LTD.
Daxing Industrial District, Beijing, China
 www.bjhygkable.com Tel: +86-010-80261008 Fax: +86-010-89233216

25	18.1	325	292	11286
35	21.1	453	408	15531
50	23.9	580	528	21033
70	27.1	769	710	31062
95	31.7	1072	993	41181
120	34.7	1308	1222	52017
150	39.0	1647	1538	63099
185	43.1	1981	1846	80196
240	48.9	2563	2935	104037

0.6/1KV Single-core Copper aluminum alloy insulated aerial cable

Nominal cross-sectional area of conductor Al/Fe	Single Cable approx. diameter	Single Cable approx Weight		Single Tensile force of cable
		JKLGV	JKLGYJ JKLGY	
mm ²	mm	Kg/km	Kg/km	N
25/4	9	143	131	9290
35/6	10.6	199	183	12630
50/8	11.9	262	243	16870
50/30	13.9	447	424	42620
70/10	13.7	355	334	23390
70/40	15.9	603	578	58300
95/15	16.1	486	457	35000
95/20	16.3	514	484	37200
95/55	18.5	827	793	78110
120/7	16.8	486	455	27570
120/20	17.6	589	557	41000
120/25	17.9	634	602	47880
120/70	20.4	1025	987	98370
150/8	18.7	610	572	32860
150/20	19.4	702	663	46630
150/25	19.7	748	708	54110
150/35	20.2	832	791	65020
185/10	20.7	751	704	40880
185/25	21.6	872	823	59420
185/30	21.8	916	867	64320
185/45	22.4	1029	978	80190
210/10	21.9	847	798	45140
210/25	22.8	981	930	65990

Infinite Power

Achieve Infinite Light



BEIJING HUAYUAN GAOKE CABLE CO.,LTD.
Daxing Industrial District, Beijing, China
www.bjhygkable.com Tel: +86-010-80261008 Fax: +86-010-89233216

210/35	23.1	1042	989	74250
210/50	23.7	1162	1108	90830
240/30	24.4	1122	1061	75620
240/40	24.7	1182	1120	83370
240/55	25.47	1327	1263	102100
300/15	26.2	1196	1125	68060
300/20	26.4	1242	1171	75680
300/25	26.7	1294	1222	83410
300/40	27.1	1392	1319	92220
300/50	27.5	1476	1401	103400
300/70	28.3	1662	1585	128000

Infinite Power

Achieve Infinite Light