

# Low voltage overhead cable JKLGYJ-10/JKYL/JKTRYJ

 **SHENXING CABLE GROUP**



## APPLICATION



Urban  
Architecture



Rural power  
supply



Industrial  
Equipment



Agriculture



Corrosion  
resistance



Safe&reliable



Cost savings



Easy  
maintenance

## Conductor



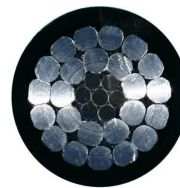
- ✓ 99.99%copper
- ✓ High conductivity
- ✓ Low loss
- ✓ Stable transmission



- ✓ 99.99%Aluminum
- ✓ Low cost
- ✓ Light weight
- ✓ Easy construct



- ✓ 99.99%Rare earth aluminum alloy
- ✓ High strength
- ✓ High cost performance
- ✓ Long service life



- ✓ Steel core + AL core
- ✓ 99.99%Aluminum
- ✓ Low cost
- ✓ Light weight
- ✓ High strength
- ✓ Small sag

## Insulator

PVC: Low cost, aging resistance, strong flame retardancy, and the maximum operating temperature is 70°C.

PE: It has good chemical stability, is non-toxic, and has a maximum operating temperature of 70°C.

XLPE: Good insulation, high temperature resistance, corrosion resistance, non-toxic, the maximum working temperature is 90°C.

## Experimental performance

Maximum operating temperature 70°C/90°C Rated voltage:U0/U 0.6/1KV

Laying temperature≥-20°C

Web: <https://www.sxcables.com> Email: [sales@sxcables.com](mailto:sales@sxcables.com) Tel: +86 15127180862

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## JKLGV, JKLGY, JKLGYJ

## Accept customization

Nominal area mm <sup>2</sup>		Quantity/Diameter mm		Insulation Thickness mm	OD mm	weight kg/km		Maximum resistance (20°C) Ω/km	Breaking force N
AL	steel	AL	steel			JKLGV	JKLGY JKLGYJ		
25	4	6×2.32	1×2.32	1.2	9.0	143	131	1.1310	9290
35	6	6×2.72	1×2.72	1.4	10.6	199	183	0.8230	12630
50	8	6×3.20	1×3.20	1.4	11.9	262	243	0.5496	16870
50	30	12×2.32	7×2.32	1.4	13.9	447	424	0.5692	42620
70	10	6×3.80	1×3.80	1.4	13.7	355	334	0.4217	23390
70	40	12×2.72	7×2.72	1.4	15.9	603	578	0.4141	58300
95	15	26×2.15	7×2.15	1.6	16.1	486	457	0.3058	35000
95	20	7×4.16	7×4.16	1.6	16.3	514	484	0.3019	37200
95	55	12×3.20	7×3.20	1.6	18.5	827	793	0.2992	78110
120	7	18×2.90	1×2.90	1.6	16.8	486	455	0.2422	27570
120	20	26×2.38	7×1.85	1.6	17.6	589	557	0.2496	41000
120	25	7×4.72	7×2.10	1.6	17.9	634	602	0.2345	47880
120	70	12×3.60	7×3.60	1.6	20.4	1025	987	0.2360	98370
150	8	18×3.20	1×3.20	1.8	18.7	610	572	0.1989	32860
150	20	24×2.78	7×1.85	1.8	19.4	712	663	0.1980	46630
150	25	26×2.70	7×2.10	1.8	19.7	748	708	0.1939	54110
150	35	30×2.50	7×2.50	1.8	20.2	832	791	0.1962	65020
185	10	18×3.60	1×3.60	2.0	20.7	751	704	0.1572	40880
185	25	24×3.15	7×2.10	2.0	21.6	872	823	0.1542	59420
185	30	26×2.98	7×2.30	2.0	21.8	916	867	0.1592	64320
185	45	30×2.80	7×2.80	2.0	22.4	1029	978	0.1564	80190
210	10	18×3.80	1×3.80	2.0	21.9	847	798	0.1411	45140
210	25	24×3.33	7×2.22	2.0	22.8	981	930	0.1380	65990
210	35	26×3.22	7×2.50	2.0	23.1	1042	989	0.1363	74250
210	50	30×2.98	7×2.98	2.0	23.7	1162	1108	0.1381	90830
240	30	24×3.60	7×2.40	2.2	24.7	1122	1061	0.1181	75620
240	40	26×3.42	7×2.66	2.2	24.7	1182	1120	0.1209	83370
240	55	30×3.20	7×3.20	2.2	25.5	1327	1263	0.1198	102100
300	15	42×3.00	7×1.67	2.4	26.2	1196	1125	0.0972	68060
300	20	45×2.93	7×1.95	2.4	26.4	1242	1171	0.0952	75680
300	25	48×2.85	1×2.20	2.4	26.7	1294	1222	0.0943	83410
300	40	24×3.99	7×2.66	2.4	27.1	1392	1319	0.0961	92220
300	50	26×3.83	7×2.98	2.4	27.5	1476	1401	0.0964	103400
300	70	30×3.60	7×3.60	2.4	28.3	1662	1585	0.0946	128000

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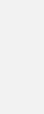
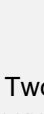
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## JKLGV、JKLGY、JKLGYJ

Accept customization

Number of cores	OD mm	Nominal area mm <sup>2</sup>	Ins. Thk mm	Cable outer diameter mm	Cable weight kg/km				Breaking force N			Maximum resistance of conductor (20°C) Ω/km				Current carrying capacityA					
					JKV	JKY JKYJ	JKLV JKLHV	JKLY JKLHY JKLHYJ	Hard copper	AL	Aluminum Alloy	Hard copper	Soft copper	AL	Aluminum Alloy	CU			CU/AL/ACSR/Con e		
																PVC	PE	XLPE	PVC	PE	XLPE
 Single core	3.8	10	1.0	5.8	114	108	51	45	3471	1650	2514	1.906	1.83	3.08	2.574	65	65	85	50	50	65
	4.8	16	1.2	7.2	181	172	79	70	5486	2517	4022	1.198	1.15	1.91	2.217	89	90	122	69	70	95
	6.2	25	1.2	8.4	260	251	109	97	8465	3763	6284	0.749	0.727	1.20	1.393	120	124	166	93	97	128
	7.2	35	1.4	9.8	377	352	151	136	11731	5177	8800	0.540	0.524	0.868	1.007	148	152	204	115	118	158
	8.5	50	1.4	11.1	485	469	194	176	16502	7011	12569	0.399	0.387	0.641	0.744	182	188	252	141	146	196
	10.2	70	1.4	12.8	668	650	267	237	23461	10354	17596	0.276	0.268	0.443	0.514	231	239	320	180	210	249
	11.8	95	1.6	14.9	941	917	368	331	31759	13727	23880	0.199	0.193	0.320	0.371	289	299	400	224	232	310
	13.2	120	1.6	16.2	1174	1149	436	408	39911	17339	30164	0.158	0.153	0.253	0.294	334	348	467	260	271	362
	14.8	150	1.8	17.7	1477	1450	549	513	49505	21033	37706	0.1280	0.124	0.206	0.239	385	399	633	298	310	412
	16.4	185	2.0	20.2	1768	1748	660	616	61846	26732	46503	0.1021	0.0991	0.164	0.190	448	466	622	247	362	483
	18.6	240	2.0	22.8	2305	2255	854	798	79823	34679	60329	0.0777	0.0754	0.125	0.145	535	558	746	414	432	578
	20.6	300	2.4	24.4	2946	2886	1084	1016	99898	43400	75451	0.0619	0.0601	0.100	0.110	615	630	865	480	490	630
 Two cores	3.8	10	1.0	11.6	228	216	102	89	6890	3140	5028	1.906	1.83	3.08	2.574	60	60	78	46	46	60
	4.8	16	1.2	14.4	362	343	158	140	10972	5024	8044	1.198	1.15	1.91	2.217	82	83	112	63	64	87
	6.2	25	1.2	16.8	521	500	217	195	16930	7524	12568	0.749	0.727	1.20	1.393	110	114	153	86	89	118
	7.2	35	1.4	19.6	733	704	302	272	23462	10354	17600	0.540	0.524	0.868	1.007	136	140	188	106	109	145
	8.5	50	1.4	22.2	969	937	387	352	33004	14202	25138	0.399	0.387	0.641	0.744	167	173	232	130	134	180
	10.2	70	1.4	25.2	1336	1300	513	483	46922	20708	35192	0.276	0.268	0.443	0.514	213	220	194	166	193	229
	11.8	95	1.6	29.4	1882	1835	715	662	63518	27454	47760	0.199	0.193	0.320	0.371	266	275	368	206	213	285
	13.2	120	1.6	32.2	2348	2297	872	815	79822	34678	60328	0.158	0.153	0.253	0.294	307	320	430	239	249	333
	14.8	150	1.8	36.2	2954	2889	1098	1025	99010	42066	75412	0.1280	0.124	0.206	0.239	354	367	490	274	285	380
	16.4	185	2.0	40.0	3536	3456	1320	1231	123692	53466	93006	0.1021	0.0991	0.164	0.190	412	429	572	319	333	444
	18.6	240	2.0	45.4	4609	4510	1709	1597	159646	69356	120658	0.0777	0.0754	0.125	0.145	492	513	686	381	397	532
	20.6	300	2.4	50.6	5891	5771	2168	2032	199576	86698	150822	0.0619	0.0601	0.100	0.110	566	580	730	442	451	580

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					JKV	JKY JKY J	JKLV JKLH V	JKLY JKLHY JKLHY J	Hard copper	AL	Aluminum Alloy	Hard copper	Soft copper	AL	Aluminum Alloy	CU			CU/AL/ACSR/ Core		
																PVC	PE	XLP E	PVC	PE	XL PE
 Three cores	3.8	10	1.0	12.5			153	134		4950				3.08	2.574				41	41	53
	4.8	16	1.2	15.5			237	209		7536				1.91	2.217				57	57	78
	6.2	25	1.2	18.1			325	292		11286				1.20	1.393				76	80	105
	7.2	35	1.4	21.1			453	408		15531				0.868	1.007				94	97	130
	8.5	50	1.4	23.9			580	528		21033				0.641	0.744				116	120	161
	10.2	70	1.4	27.1			769	710		31062				0.443	0.514				148	172	204
	11.8	95	1.6	31.7			1072	993		41181				0.320	0.371				184	190	254
	13.2	120	1.6	34.7			1308	1222		52017				0.253	0.294				213	222	297
	14.8	150	1.8	39.0			1647	1538		63099				0.206	0.239				244	254	339
	16.4	185	2.0	43.1			1981	1846		81960				0.164	0.190				285	297	396
 Four cores	18.6	240	2.0	48.9			2563	2395		104037				0.125	0.145				339	354	474
	20.6	300	2.4	54.5			3252	3047		130047				0.100	0.110				394	402	517
	3.8	10	1.0	13.0	456	434	204	179	13384	6600	10056	1.906	1.83	3.08	2.574	53	53	70	41	41	53
	4.8	16	1.2	16.2	721	687	316	280	21944	10048	16088	1.198	1.15	1.91	2.217	73	74	100	57	57	78
	6.2	25	1.2	19.6	1040	1001	433	390	33860	15048	25136	0.749	0.727	1.20	1.393	98	102	136	76	80	105
	7.2	35	1.4	22.7	1464	1410	604	546	46924	20708	35200	0.540	0.524	0.868	1.007	121	125	167	94	97	130
	8.5	50	1.4	25.9	1936	1876	773	706	66008	28044	50276	0.399	0.387	0.641	0.744	149	154	207	116	120	161
	10.2	70	1.4	30.0	2669	2601	1025	948	93844	41416	70384	0.276	0.268	0.443	0.514	189	196	262	148	172	204
	11.8	95	1.6	34.6	3761	3672	1429	1327	127036	54908	95520	0.199	0.193	0.320	0.371	237	245	328	184	190	254
	13.2	120	1.6	38.0	4692	4597	1744	1632	159644	69356	120656	0.158	0.153	0.253	0.294	274	285	383	213	222	297
	14.8	150	1.8	42.6	5903	5782	2197	2054	198020	84132	150824	0.1280	0.124	0.206	0.239	316	327	437	244	254	339
	16.4	185	2.0	47.2	7065	6916	2641	2466	247684	106928	186012	0.1021	0.0991	0.164	0.190	367	382	505	285	297	396
	18.6	240	2.0	52.6	9210	9026	3418	3199	319292	138716	241316	0.0777	0.0754	0.125	0.145	439	458	612	339	354	474
	20.6	300	2.4	58.9	11770	11549	4335	4070	399152	173396	301644	0.0619	0.0601	0.100	0.110	504	517	710	394	402	517

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