

High voltage overhead cables JKLGYJ-10/JKYL/JKTRYJ

 **SHENXING CABLE GROUP**



APPLICATION



High load



Safe & reliable



Anti-electric shock



Corrosion resistance

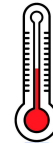
Conductor



- ✓ Steel core + aluminum core
- ✓ 99.99% Aluminum
- ✓ Low cost
- ✓ High strength
- ✓ Light weight
- ✓ Small sag
- ✓ 99.99% copper
- ✓ High conductivity
- ✓ Low loss
- ✓ Stable transmission



Cost savings



High temperature resistance 90°C



Easy maintenance

Insulator

XLPE: strong insulation, high temperature resistance, corrosion resistance, WD

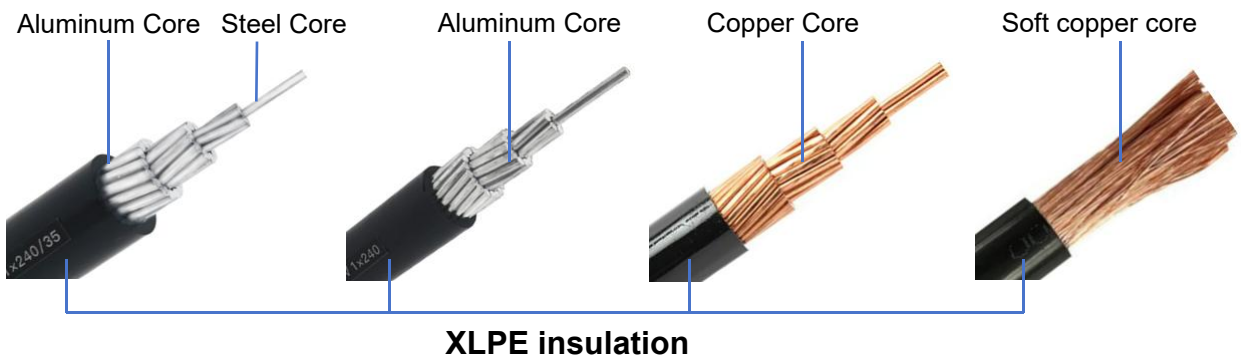
Experimental performance

Maximum operating temperature 90°C

When short-circuited (no more than 5 seconds), the maximum conductor temperature is 250°C

Rated voltage: $U(U_m)$ 10(12)KV

The laying temperature should not be lower than -20°C



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Accept customization

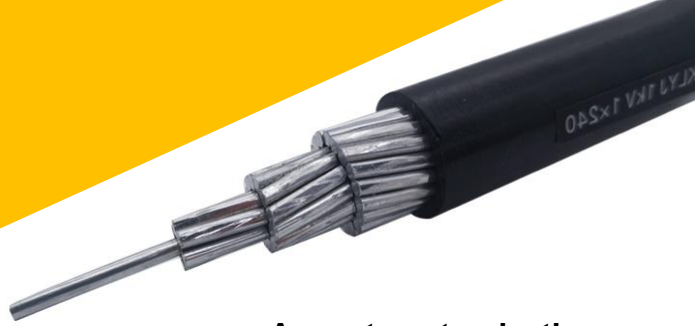
Nominal area mm ²		Quantity/Diameter mm		Inner shield thickness mm	Insulation Thickness mm	Cable Outer Diameter mm	Cable Weight kg/km	Maximum resistance (20°C) Ω/km	Breaking force N
AL	CU	AL	CU						
10	2	6×1.50	1×1.50	1.0	3.4	13.1	159	0.7060	4120
16	3	6×1.85	1×1.85	1.0	3.4	14.1	194	1.7790	6130
25	4	6×2.32	1×2.32	1.0	3.4	15.4	270	1.1310	9290
35	6	6×2.72	1×2.72	1.0	3.4	16.6	304	0.8230	12630
50	8	6×3.20	1×3.20	1.0	3.4	17.9	375	0.5496	16870
50	30	12×2.32	7×2.32	1.0	3.4	19.8	577	0.5692	42620
70	10	6×3.80	1×3.80	1.0	3.4	19.6	477	0.4217	23390
70	40	12×2.72	7×2.72	1.0	3.4	21.7	741	0.4141	58300
95	15	26×2.15	7×2.15	1.0	3.4	21.7	611	0.3058	35000
95	20	7×4.16	7×4.16	1.0	3.4	22.0	644	0.3019	37200
95	55	12×3.20	7×3.20	1.0	3.4	24.0	969	0.2992	78110
120	7	18×2.90	1×2.90	1.0	3.4	22.6	622	0.2422	27570
120	20	26×2.38	7×1.85	1.0	3.4	23.1	716	0.2496	41000
120	25	7×4.72	7×2.10	1.0	3.4	23.8	787	0.2345	47880
120	70	12×3.60	7×3.60	1.0	3.4	25.9	1182	0.2360	98370
150	8	18×3.20	1×3.20	1.0	3.4	24.0	723	0.1989	32860
150	20	24×2.78	7×1.85	1.0	3.4	24.6	817	0.1980	46630
150	25	26×2.70	7×2.10	1.0	3.4	25.1	878	0.1939	54110
150	35	30×2.50	7×2.50	1.0	3.4	25.4	962	0.1962	65020
185	10	18×3.60	1×3.60	1.0	3.4	25.9	870	0.1572	40880
185	25	24×3.15	7×2.10	1.0	3.4	26.8	1006	0.1542	59420
185	30	26×2.98	7×2.30	1.0	3.4	26.7	1029	0.1592	64320
185	45	30×2.80	7×2.80	1.0	3.4	27.4	1154	0.1564	80190
210	10	18×3.80	1×3.80	1.0	3.4	26.9	952	0.1411	45140
210	25	24×3.33	7×2.22	1.0	3.4	27.8	1101	0.1380	65990
210	35	26×3.22	7×2.50	1.0	3.4	28.2	1172	0.1363	74250
210	50	30×2.98	7×2.98	1.0	3.4	28.6	1283	0.1381	90830
240	30	24×3.60	7×2.40	1.0	3.4	29.3	1253	0.1181	75620
240	40	26×3.42	7×2.66	1.0	3.4	29.4	1298	0.1209	83370
240	55	30×3.20	7×3.20	1.0	3.4	30.1	1451	0.1198	102100

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Accept customization

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AL	CU	AL	CU						
300	15	42×3.00	7×1.67	1.0	3.4	30.7	1292	0.0972	68060
300	20	45×2.93	7×1.95	1.0	3.4	32	1369	0.0952	75680
300	25	48×2.85	1×2.20	1.0	3.4	31.4	1419	0.0943	83410
300	40	24×3.99	7×2.66	1.0	3.4	31.5	1493	0.0961	92220
300	50	26×3.83	7×2.98	1.0	3.4	31.9	1580	0.0964	103400
300	70	30×3.60	7×3.60	1.0	3.4	32.7	1778	0.0946	128000
400	20	42×3.51	7×1.95	1.0	3.4	34.4	1687	0.0710	88850
400	25	45×3.33	7×2.22	1.0	3.4	34.1	1690	0.0737	95940
400	35	48×3.22	7×2.50	1.0	3.4	34.3	1748	0.0739	103900
400	50	54×3.07	7×3.07	1.0	3.4	35.1	1922	0.0723	123400
400	65	26×4.42	7×3.44	1.0	3.4	35.4	2024	0.0724	135200
400	95	30×4.16	19×2.50	1.0	3.4	36.5	2298	0.0709	171300
500	35	45×3.75	7×2.50	1.0	3.4	37.3	2080	0.0581	119500
500	45	48×3.60	7×2.80	1.0	3.4	37.3	2126	0.0591	128100
500	65	54×3.44	7×3.44	1.0	3.4	38.2	2347	0.0576	154000

JKYL/JKTRYJ

Number of conductors	Conductor diameter mm	Nominal area mm ²	Inner shield thickness mm	Insulation Thickness mm	Cable Outer Diameter mm	Cable Weight kg/km	Maximum resistance (20°C) Ω/km	Breaking force N
 Single core	6.2	25	1.0	3.4	14.2	344	0.7490	8456
	7.2	35	1.0	3.4	15.2	445	0.5400	11731
	8.5	50	1.0	3.4	16.5	594	0.3990	16502
	10.2	70	1.0	3.4	18.2	792	0.2760	23461
	11.8	95	1.0	3.4	20.0	1034	0.1990	31759
	13.2	120	1.0	3.4	21.4	1280	0.1580	39911
	14.8	150	1.0	3.4	23.0	1566	0.1280	49505
	16.4	185	1.0	3.4	24.6	1897	0.1021	61846
	18.6	240	1.0	3.4	26.8	2413	0.0777	79823

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