

Aluminum Conductor Aluminum Clad Steel Reinforced, Aluminum Alloy Conductor Aluminum Clad Steel Reinforced, Aluminum Conductor Alloy Reinforced Standards

These products meet the standard requirements of GB/T1179-1999 and enterprise standard.

Designation , Type and Main Applications

名称 Designation	型号 Type		适用范围 Main Applications
	企业标准 Enterprise Standard	国家标准 GB/T1179-1999 National Standard	
铝包钢芯铝绞线 Aluminum Conductor Aluminum Clad Steel Reinforced,	LBGLJ/ I LBGLJ/ II	JL/JB1A	广泛用于架空输电线路，因其耐蚀性方面优势明显，又具有高强度特性，除可作一般输电线路敷外，对大跨越线和寒冰重冰重雪地区以及其他恶劣气候环境均可适用。 Its characteristics of anti-corrosion, and light weight, combined with its high breaking strength, are gathered which makes it possible to have large span runs, and be used in icy, serious icy, heavy fog and some other increment climates.
铝包钢芯铝合金绞线 Aluminum Alloy Conductor Aluminum Clad Steel Reinforced	---	JLHA2/LB1A JLHA1/JB1A	
铝合金芯铝绞线 Aluminum Conductor Alloy Reinforced	---	JL/LHA2 JL/LHA1	

Product Structure Drawing

Aluminum Conductor Aluminum Clad Steel Reinforced, Aluminum Alloy Conductor Aluminum Clad Steel Reinforced, Aluminum Conductor Alloy Reinforced



6/1



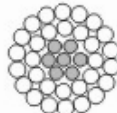
12/7(1+6)



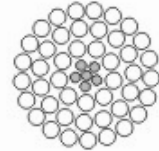
18(6+12)/1



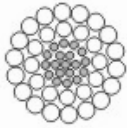
28(10+16)/7(1+6)



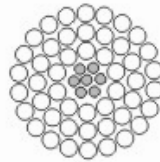
30(12+18)/7(1+6)



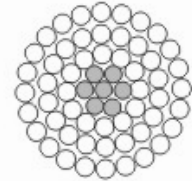
45(9+15+21)/7(1+6)



30(12+18)/19(1+6+12)



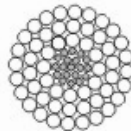
48(10+16+22)/7(1+6)



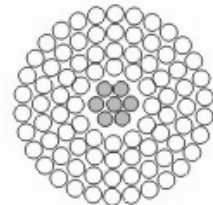
54(12+18+24)/7(1+6)



24(9+15)/7(1+6)



54(12+18+24)/19(1+6+12)



84(12+18+24+30)/7(1+6)

Product Specifications and Main Technical Data

Aluminum Stranded Conductor Aluminum Clad Steel Reinforced, Enterprise Standard of LBGLJ/ I

绞线标称 截面 Total Area (mm ²)	结构根数/直径 Structure Numbers / Diameter		计算截面积 Calculated Cross-sectional Area (mm ²)				绞线外径 Overall Diameter (mm)	20℃时直流 电阻不大于 Max. DC Resistance at20℃ (Ω/km)	计算拉断力 Calculated Breaking Load (kN)	线性膨胀系 数 Coefficient of Linear Expansion (10 ⁻⁶ /℃)	弹性系数 Modulus of Elasticity (kN/mm ²)	计算重量 Calculated Weight (kg/km)	交货长度 Delivery Length ≥(m)	参考载流 量 Referred Current (A)
	铝包钢线 St.	圆铝线 Al	铝包钢线 St.	圆铝线 Al	铝总截面 Total Area for Al	绞线总截面 Total Area for Conductor								
35/6	1/2.72	6/2.72	5.81	34.86	36.12	40.67	8.16	0.781	14	19.80	80	134	2000	168
50/8	1/3.2	6/3.20	8.04	48.25	50.00	56.29	9.60	0.564	19	19.80	80	185	2000	205
70/10	1/3.8	6/3.80	11.34	68.05	70.51	79.39	11.40	0.399	25	19.80	80	262	2000	254
70/40	7/2.72	12/2.72	40.67	69.73	78.57	110.40	13.60	0.347	61	16.64	105	464	2000	285
95/55	7/3.2	12/3.20	56.30	96.51	108.74	152.81	16.00	0.251	82	16.64	105	643	2000	349
120/7	1/2.9	18/2.90	6.61	118.89	120.33	125.50	14.50	0.239	29	21.66	70	372	2000	349
120/65	7/3.5	12/3.50	67.35	115.45	130.09	182.80	17.50	0.210	97	16.64	105	769	2000	349
120/70	7/3.6	12/3.60	71.25	122.15	137.63	193.40	18.00	0.198	99	16.64	105	813	2000	404
150/8	1/3.2	18/3.20	8.04	144.76	146.51	152.91	16.00	0.196	35	21.66	70	453	2000	395
150/35	7/2.5	30/2.50	34.36	147.26	154.73	181.62	17.50	0.182	67	19.00	86	636	2000	418
170/70	7/3.5	38/2.40	67.34	171.91	186.54	239.25	20.10	0.149	90	17.67	95	926	1800	480
185/10	1/3.6	18/3.60	10.18	183.22	185.43	193.40	18.00	0.155	42	21.66	70	573	2000	457
185/45	7/2.8	30/2.80	43.10	184.73	194.10	227.83	19.60	0.145	83	19.00	86	798	1800	482
210/10	1/3.8	18/3.80	11.34	204.14	206.60	215.48	19.00	0.139	45	21.66	70	639	1800	489
210/35	7/2.5	26/3.22	34.36	211.73	219.19	246.09	20.38	0.129	77	19.86	80	814	1800	516
210/50	7/2.98	30/2.89	48.82	209.24	219.85	258.06	20.86	0.128	94	19.00	86	904	1500	521
240/40	7/2.66	26/3.42	38.90	238.85	247.30	277.75	21.66	0.115	86	19.85	80	919	1500	555
240/55	7/3.2	30/3.20	56.30	241.27	253.5	297.75	22.40	0.111	103	19.00	86	1042	1500	569
300/40	7/2.66	24/3.99	38.90	300.09	308.54	338.99	23.94	0.092	95	20.33	78	1088	1500	636
300/50	7/2.98	26/3.83	48.82	299.54	310.15	348.36	24.26	0.092	107	19.85	80	1153	1500	638
300/70	7/3.60	30/3.6	71.25	305.36	320.84	376.60	25.20	0.088	129	19.00	86	1319	1500	638
400/35	7/2.5	48/3.22	34.36	390.88	398.35	425.24	26.82	0.072	106	21.03	74	1308	1500	739

400/50	7/3.07	54/3.07	51.82	399.72	410.98	451.54	27.63	0.069	129	20.33	78	1449	1000	760
400/65	7/3.44	26/4.42	65.06	398.94	413.08	464.00	28.00	0.069	136	19.85	80	1536	1000	763
400/95	19/2.5	30/4.16	93.27	407.74	428.02	501.02	29.14	0.066	178	19.00	85	1748	1000	788
500/35	7/2.5	45/3.75	34.36	497.01	504.48	531.37	30.00	0.057	122	21.38	72	1601	1000	854
500/45	7/2.8	48/3.6	43.10	488.58	497.95	531.68	30.00	0.057	131	21.03	74	1636	1000	854
500/65	7/3.44	54/3.44	65.06	501.88	516.02	566.94	30.96	0.055	157	20.33	78	1819	1000	876
630/45	7/2.8	45/4.20	43.10	623.45	632.82	666.55	33.60	0.045	152	21.38	72	2008	1000	988
630/55	7/3.20	48/4.12	56.30	639.92	652.15	696.22	34.32	0.044	169	21.03	74	2141	1000	1005
800/55	7/3.20	45/4.80	56.30	814.30	826.54	870.60	30.40	0.035	196	21.38	72	2622	1000	1158
800/70	7/3.60	48/4.63	71.25	808.15	823.64	879.40	38.58	0.035	208	21.03	74	2705	1000	1160
800/100	19/2.6	54/4.33	100.88	795.17	817.09	896.05	38.98	0.035	248	20.38	78	2866	1000	1162

Aluminum Stranded Conductor Aluminum Clad Steel Reinforced, Enterprise Standard of LBGLJ/II

绞线标称 截面 Total Area (mm ²)	结构根数/直径 Structure Numbers / Diameter		计算截面积 Calculated Cross-sectional Area (mm ²)				绞线外径 Overall Diameter (mm)	20℃时直流 电阻不大于 Max. DC Resistance at 20℃ (Ω/km)	计算拉断力 Calculated Breaking Load (kN)	线性膨胀系 数 Coefficient of Linear Expansion (10 ⁻⁶ /℃)	弹性系数 Modulus of Elasticity (kN/mm ²)	计算重量 Calculated Weight (kg/km)	交货长度 Delivery Length ≥(m)	参考载流 量 Referred Current (A)
	铝包钢线 St.	圆铝线 Al	铝包钢线 St.	圆铝线 Al	铝总截面 Total Area for Al	绞线总截面 Total Area for Conductor								
35/6	1/2.72	6/2.72	5.81	34.86	37.21	40.67	8.16	0.761	11	20.45	77	129	2000	170
50/8	1/3.2	6/3.20	8.04	48.25	51.5	56.29	9.60	0.550	15	20.45	77	179	2000	208
70/10	1/3.8	6/3.80	11.34	68.05	72.63	79.39	11.40	0.390	20	20.45	77	252	2000	257
70/40	7/2.72	12/2.72	40.67	69.73	86.15	110.40	13.60	0.322	44	17.68	95	429	2000	296
95/55	7/3.2	12/3.20	56.30	96.51	119.25	152.81	16.00	0.232	60	17.68	95	594	2000	363
120/7	1/2.9	18/2.90	6.61	118.89	121.56	125.50	14.50	0.236	26	21.96	70	367	2000	351
120/65	7/3.5	12/3.50	67.35	115.45	142.67	182.8	17.50	0.194	70	17.68	95	711	2000	419
120/70	7/3.6	12/3.60	71.25	122.15	150.92	193.40	18.00	0.184	72	17.68	95	752	2000	397
150/8	1/3.2	18/3.20	8.04	144.76	148.01	152.91	16.00	0.194	31	21.96	70	446	2000	405

150/35	7/2.5	30/2.50	34.36	147.26	161.14	181.62	17.50	0.194	53	19.78	80	606	2000	426
185/10	1/3.6	18/3.60	10.18	183.22	187.33	193.40	18.00	0.154	38	21.96	70	565	2000	458
185/45	7/2.8	30/2.80	43.10	184.73	202.14	227.83	19.60	0.140	65	19.78	80	761	1800	491
210/10	1/3.8	18/3.80	11.34	204.14	208.72	215.48	19.00	0.138	42	21.96	70	629	1800	490
210/35	7/2.5	26/3.22	34.36	211.73	225.61	246.09	20.38	0.126	63	20.50	77	784	1800	522
210/50	7/2.98	30/2.89	48.82	209.24	228.96	258.06	20.86	0.124	74	19.78	80	862	1500	529
240/40	7/2.66	26/3.42	38.90	238.85	254.56	277.75	21.66	0.112	70	20.50	77	886	1500	562
240/55	7/3.2	30/3.20	56.30	241.27	264.01	297.57	22.40	0.107	84	19.78	80	993	1500	580
300/40	7/2.66	24/3.99	38.90	300.09	315.8	338.99	23.94	0.091	79	20.90	75	1055	1500	639
300/50	7/2.98	26/3.83	48.82	299.54	319.26	348.36	24.26	0.089	87	20.50	77	1111	1500	648
300/70	7/3.60	30/3.6	71.25	305.36	334.13	376.61	25.20	0.085	102	19.78	80	1257	1500	670
400/35	7/2.5	48/3.22	34.36	390.88	404.76	425.24	26.82	0.071	92	21.50	72	1278	1500	744
400/50	7/3.07	54/3.07	51.82	399.72	420.65	451.54	27.63	0.068	108	20.90	75	1404	1000	766
400/65	7/3.44	26/4.42	65.06	398.94	425.21	464.00	28.00	0.067	113	20.50	77	1480	1000	774
400/95	19/2.5	30/4.16	93.27	407.74	445.42	501.02	29.14	0.064	139	19.82	80	1668	1000	800
500/35	7/2.5	45/3.75	34.36	497.01	510.89	531.37	30.00	0.056	108	21.74	70	1571	1000	862
500/45	7/2.8	48/3.6	43.10	488.58	505.99	531.68	30.00	0.056	113	21.50	72	1599	1000	862
500/65	7/3.44	54/3.44	65.06	501.88	528.145	566.94	30.96	0.056	132	20.90	75	1763	1000	884
630/45	7/2.8	45/4.20	43.10	623.45	640.86	666.55	33.60	0.054	134	21.74	70	1971	1000	988
630/55	7/3.20	48/4.12	56.30	639.92	662.66	696.22	34.32	0.045	146	21.50	72	2093	1000	1016
800/55	7/3.20	45/4.80	56.30	814.30	837.04	870.6	30.40	0.043	174	21.74	70	2574	1000	1175
800/70	7/3.60	48/4.63	71.25	808.15	836.92	879.4	38.58	0.034	181	21.50	72	2644	1000	1176
800/100	19/2.6	54/4.33	100.88	795.17	835.91	896.05	38.98	0.034	207	20.93	75	2780	1000	1179

Note: Attached technical agreement is required if some other specifications and/or special requirements are by the customers.

Aluminum Stranded Conductor Aluminum Clad Steel Reinforced, JL/LB1A GB/T1179-1999

规格号 Model	钢比(%) St. Ratio	面积 Area (mm ²)	单线根数 Number of wires (n)	单线直径 Diameter of wires (mm)	直径 Diameter (mm)	单位长度质 量	额定抗拉力 Nominal	20℃时直流电阻不大于 Max. DC Resistance
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		铝合金 Al	铝包钢 St.	总和 Total	铝合金 Al	铝包钢 St.	铝合金 Al	铝包钢 St.	铝包钢芯 St. core	绞线 Conductor	Linear Mass (kg/km)	Breaking Load (kN)	at20℃ (Ω /km)
16	16.7	15	2.56	17.9	6	1	1.81	1.81	1.81	5.43	59.00	5.910	1.7923
25	16.7	24	4.00	28.0	6	1	2.26	2.26	2.26	6.78	92.10	9.000	1.1471
40	16.7	38	6.40	44.8	6	1	2.85	2.85	2.85	8.55	147.4	14.21	0.9169
63	16.7	60	10.08	70.6	6	1	3.58	3.58	3.58	10.7	232.2	21.17	0.4552
100	16.7	96	16.00	112.0	6	1	4.51	4.51	4.51	13.5	368.6	31.84	0.2868
125	5.6	123	6.85	130	18	1	2.95	2.95	2.95	14.8	384.3	29.18	0.2304
125	16.3	120	19.6	140	26	7	2.43	2.43	2.43	15.4	460.8	44.49	0.2308
160	5.6	158	8.77	167	18	1	3.34	3.34	3.34	16.7	491.9	36.38	0.1800
160	16.3	154	25	179	26	7	2.74	2.74	2.74	17.4	589.8	56.18	0.1803
200	5.6	197	1096	208	18	1	3.74	3.74	3.74	18.7	641.9	43.62	0.1440
200	16.3	192	31.8	223	26	7	3.07	2.39	2.39	19.4	737.2	69.27	0.1443
250	9.8	244	24.0	268	22	7	3.76	2.09	2.09	21.3	830.9	67.80	0.1153
250	16.3	240	39.1	279	26	7	3.43	2.67	2.67	21.7	921.5	86.58	0.1154
315	6.9	310	21.4	331	45	7	2.96	1.97	1.97	23.7	996.4	78.33	0.0917
315	16.3	303	49.3	352	26	7	3.85	2.99	2.99	24.4	1161.1	107.58	0.0916
400	6.9	393	27.2	420	45	7	3.34	2.22	6.67	26.7	1265.3	97.5	0.0722
400	13.0	387	50.2	438	54	7	3.02	3.02	9.07	27.2	1402.9	124.2	0.0723
450	6.9	442	30.6	473	45	7	3.54	2.36	7.08	28.3	1423.4	107.48	0.0642
450	13.0	436	36.5	492	54	7	3.21	3.21	9.62	28.9	1578.2	139.72	0.0642
500	6.9	492	34.0	525	45	7	3.73	2.49	7.46	29.8	1581.6	119.42	0.0578
500	13.0	484	52.8	547	54	7	3.38	3.38	10.14	30.4	1753.6	153.99	0.0578
560	6.9	550	38.1	589	45	7	3.95	2.63	7.89	31.6	1771.4	133.75	0.0516
560	12.7	543	68.8	612	54	19	3.58	2.15	10.73	32.2	1956.3	169.36	0.0516
630	6.9	619	42.8	662	45	7	1.19	2.79	8.73	33.5	1992.8	150.47	0.0458
630	12.7	611	77.3	688	54	19	3.79	2.28	11.38	34.2	2200.9	190.52	0.0459
710	6.9	698	48.3	746	45	7	4.44	2.96	8.89	35.6	2245.8	169.57	0.0407

710	12.7	688	87.2	775	54	19	4.03	2.42	12.08	36.3	2480.3	214.72	0.0407
800	4.3	791	34.2	826	72	7	3.74	2.49	7.48	37.4	2412.8	167.67	0.0361
800	8.3	784	65.3	849	84	7	3.45	3.45	10.34	37.9	2598.9	206.37	0.0362
800	12.7	775	98.2	874	54	19	4.28	2.57	12.83	38.5	2794.7	241.94	0.0361
900	4.3	890	38.5	929	72	7	3.97	2.65	7.94	39.7	2714.4	188.63	0.0321
900	8.3	882	73.5	955	84	7	3.66	3.66	10.97	40.2	2923.8	224.82	0.0321
1000	4.3	989	42.7	1032	72	7	4.18	2.79	8.37	41.8	3016.0	209.59	0.0289
1120	4.2	1108	46.8	1155	72	19	4.43	1.77	8.85	44.3	3372.6	233.48	0.0258
1120	8.1	1098	89.4	1187	84	19	4.08	2.45	12.24	44.9	3628.4	282.88	0.0258
1250	4.2	1237	52.2	1289	72	19	4.68	1.87	9.35	46.8	3764.1	260.58	0.0231
1250	8.1	1225	99.8	1325	84	19	4.31	2.59	12.93	47.4	4049.5	315.72	0.0231

Aluminum Alloy Stranded Conductor Aluminum Clad Steel Reinforced, JLHA2/LB1A GB/T1179-1999

规格号 Model	钢比(%) St. Ratio	面积 Area (mm ²)			单线根数 Number of wires (n)		单线直径 Diameter of wires (mm)		直径 Diameter (mm)		单位长度质量 Linear Mass (kg/km)	额定抗拉力 Nominal Breaking Load (kN)	20℃时直流电阻不大于 Max. DC Resistance at20℃ (Ω/km)
		铝合金 Al	铝包钢 St.	总和 Total	铝合金 Al	铝包钢 St.	铝合金 Al	铝包钢 St.	铝包钢芯 St. core	绞线 Conductor			
16	16.7	17.6	2.93	20.5	6	1	1.93	1.93	1.93	5.79	67.5	8.7	1.7694
25	16.7	27.5	4.85	32	6	1	2.41	2.41	2.41	7.23	105.4	13.59	1.1324
40	16.7	43.9	7.32	51.2	6	1	3.05	3.05	3.05	9.15	168.7	21.74	0.7077
63	16.7	69.2	11.5	80.7	6	1	3.83	3.83	3.83	11.5	265.6	33.09	0.4494
100	16.7	110	18.3	128	6	1	4.83	4.83	4.83	14.5	421.6	50.70	0.2831
125	5.6	142	7.87	148	18	1	3.16	3.16	3.16	15.8	441.4	51.21	0.2293
125	16.3	137	22.4	160	26	7	2.59	2.02	6.05	16.4	527.2	67.40	0.2279
160	5.6	181	10.1	191	18	1	3.58	3.58	3.68	17.9	565	64.94	0.1792
160	16.3	176	28.6	205	26	7	2.93	2.28	6.85	18.6	674.8	86.27	0.1781
200	5.6	227	12.6	239	18	1	4.06	4.00	4.00	20.0	706.2	80.67	0.1433
200	16.3	220	35.8	256	26	7	3.28	2.55	7.66	20.8	843.5	107.84	0.1425

250	9.8	280	27.5	307	22	7	4.02	2.24	6.71	22.8	952.9	115.53	0.1144
250	16.3	275	44.8	320	26	7	3.67	2.85	8.56	23.2	1054.4	134.79	0.1140
315	6.9	355	24.6	380	45	7	3.17	2.11	6.34	25.4	1143.9	134.36	0.0912
315	16.3	346	56.4	403	26	7	4.12	3.20	9.61	26.1	1328.5	169.84	0.0904
400	6.9	451	31.2	483	45	7	3.57	2.38	7.15	28.6	1452.5	170.62	0.0718
400	13.0	444	57.5	501	54	7	3.23	3.23	9.7	29.1	1606.8	199.94	0.0715
450	6.9	508	35.1	543	45	7	3.79	2.53	7.58	30.3	1634.1	191.94	0.0638
450	13.0	499	64.7	564	54	7	3.43	3.43	10.3	30.9	1807.7	223.64	0.0636
500	6.9	564	39.0	603	45	7	4.00	2.66	7.99	32.0	1815.7	213.27	0.0574
500	13.0	555	71.9	627	54	7	3.62	3.62	10.8	32.6	2008.5	245.62	0.0572
560	6.9	632	48.7	676	45	7	4.23	2.82	8.46	33.8	2033.6	238.86	0.0513
560	12.7	622	78.8	701	54	19	3.83	2.30	11.5	34.5	2241.0	277.95	0.0511
630	6.9	711	49.2	760	45	7	4.49	2.99	8.97	35.9	2287.8	268.72	0.0456
630	12.7	700	88.6	788	54	19	4.06	2.44	12.2	36.5	2521.1	312.69	0.0454
710	6.9	801	55.4	857	45	7	4.76	3.17	9.52	38.1	2578.3	302.84	0.0405
710	12.7	788	99.9	888	54	19	4.31	2.59	12.9	38.8	2841.3	352.39	0.0403
800	4.3	909	39.3	949	72	7	4.01	2.67	8.02	40.1	2772.7	351.46	0.0360
800	8.3	899	74.9	974	84	7	3.69	3.69	11.1	40.6	2982.3	347.72	0.0359
800	12.7	888	113	1001	54	19	4.58	2.75	13.7	41.2	3201.5	397.06	0.0358
900	4.3	1023	44.2	1067	72	7	4.25	2.84	8.51	42.5	3119.3	354.89	0.0320
900	8.3	1012	84.3	1096	84	7	3.92	3.92	11.7	43.1	3355.1	391.18	0.0319
1000	4.3	1137	49.1	1186	72	7	4.48	2.99	8.97	44.8	3465.9	394.32	0.0288
1120	4.2	1274	53.8	1327	72	19	4.75	1.90	9.49	47.5	3875.8	440.26	0.0257
1120	8.1	1260	103	1362	84	19	4.37	2.62	13.1	48.1	4164.0	494.70	0.0257
1250	4.2	1421	60.0	1482	72	19	5.01	2.01	10.0	50.1	4325.6	491.36	0.0231
1250	8.1	1406	114	1520	84	19	4.62	2.77	13.8	50.8	4647.3	552.12	0.0230

Aluminum Alloy Stranded Conductor Aluminum Clad Steel Reinforced, JL/LB1A GB/T1179-1999

规格号 Model	钢比(%) St. Ratio	面积 Area (mm ²)			单线根数 Number of wires (n)		单线直径 Diameter of wires (mm)		直径 Diameter (mm)		单位长度质 量 Linear Mass (kg/km)	额定抗拉力 Nominal Breaking Load (kN)	20℃时直流电阻不大于 Max. DC Resistance at20℃ (Ω/km)
		铝合金	铝包钢	总和	铝合金	铝包钢	铝合金	铝包钢	铝包钢芯	绞线			
		Al	St.	Total	Al	St.	Al	St.	St. core	Conductor			
16	16.7	17.7	2.96	20.7	6	1	1.94	1.94	1.94	5.82	68.1	9.31	1.7691
25	16.7	27.7	4.62	32.3	6	1	2.42	2.42	2.42	7.26	106.4	14.54	1.1323
40	16.7	44.3	7.39	51.7	6	1	3.07	3.07	3.07	9.21	170.2	23.27	0.7077
63	16.7	69.8	11.6	81.4	6	1	3.85	3.85	3.85	11.6	268.0	34.79	0.4493
100	16.7	110.0	18.5	129.0	6	1	4.85	4.85	4.85	14.6	425.5	53.38	0.2831
125	5.6	143	7.94	151	18	1	3.18	3.18	3.18	15.9	445.5	55.97	0.2293
125	16.3	139	22.6	161	26	7	2.61	2.61	2.61	16.5	532.0	72.17	0.2279
160	5.6	183	10.2	193	18	1	3.60	3.60	3.60	18.0	570.3	69.21	0.1792
160	16.3	178	28.9	206	26	7	2.95	2.95	2.95	18.7	680.9	92.38	0.1781
200	5.6	229	12.7	241	18	1	4.02	4.02	4.02	20.1	712.8	86.00	0.1433
200	16.3	222	36.1	358	26	7	3.30	2.56	7.69	20.9	851.2	115.47	0.1424
250	9.8	282	27.7	310	22	7	4.04	2.25	6.74	22.9	961.7	122.25	0.1144
250	16.3	277	45.2	323	26	7	3.69	2.87	8.60	23.4	1064.0	141.57	0.1140
315	6.9	359	24.8	384	45	7	3.19	2.12	6.37	25.5	1154.6	146.38	0.0912
315	16.3	349	56.9	406	26	7	4.14	3.22	9.65	26.2	1340.6	178.38	0.0904
400	6.9	456	31.5	487	45	7	3.59	2.39	7.18	28.7	1466.1	181.32	0.0718
400	13.0	448	58.1	506	54	7	3.25	3.25	9.75	29.3	1621.6	215.22	0.0715
450	6.9	513	35.4	548	45	7	3.81	2.54	7.62	30.5	1649.4	203.99	0.0638
450	13.0	504	65.3	569	54	7	3.45	3.45	10.3	21.0	1824.3	240.81	0.0636
500	6.9	570	39.4	609	45	7	4.01	2.68	8.03	32.1	1832.6	226.65	0.0574
500	13.0	560	72.6	632	54	7	3.63	3.63	10.9	32.7	2027.0	259.07	0.0572
560	6.9	638	44.1	682	45	7	4.25	3.83	8.5	34.0	2052.6	253.85	0.0513
560	12.7	628	79.5	707	54	19	3.85	2.31	11.5	34.6	2261.6	293.05	0.0511
630	6.9	718	49.6	767	45	7	4.51	3.00	9.01	36.1	2309.1	285.58	0.0456

630	12.7	706	89.4	795	54	19	4.08	2.45	12.2	36.7	2544.3	329.68	0.0454
710	6.9	809	55.9	865	45	7	4.78	3.19	9.57	38.3	2602.3	321.85	0.0405
710	12.7	796	101.0	896	54	19	4.33	2.60	13.0	39.0	2867.4	371.55	0.0403
800	4.3	918	39.7	958	72	7	4.03	2.69	8.06	40.3	2798.8	336.79	0.0360
800	8.3	908	75.6	983	84	7	3.71	3.71	11.1	40.8	3010.0	369.11	0.0359
800	12.7	896	114.0	1010	54	19	4.60	2.76	13.8	41.4	3230.9	418.64	0.0358
900	4.3	1033	44.6	1077	72	7	4.27	2.85	8.55	42.7	3148.6	378.89	0.0320
900	8.3	1021	85.1	1106	84	7	3.93	3.93	11.80	43.2	3368.3	415.24	0.0319
1000	4.3	1148	49.6	1197	72	7	4.50	3.00	9.01	45.0	3498.5	420.99	0.0288
1120	4.2	1286	54.3	1340	72	19	4.77	1.91	9.54	47.7	3912.3	470.12	0.0257
1120	8.1	1271	104	1375	84	19	4.39	2.63	13.2	48.3	4202.7	524.73	0.0257
1250	4.2	1435	60.6	1495	72	19	5.04	2.01	10.1	50.4	4366.4	524.68	0.0231
1250	8.1	1419	116.0	1535	84	19	4.64	2.78	13.9	51.0	4690.5	585.64	0.0230

Aluminum Conductor Alloy Reinforced

规格号 Model	直径 Diameter (mm)		单线根数(n) Number of wires		面积 Area (mm ²)			单位长度质量 Linear Mass (kg/km)	额定抗拉力 Nominal Breaking Load (kN)	20℃时直流电阻不大于 Max. DC Resistance at20℃ (Ω /km)
	单线 wire	导体 Conductor	铝 Al	铝合金 Alloy	铝 Al	铝合金 Alloy	总和 Total			
16	1.76	5.28	4	3	9.73	7.30	17.0	46.6	3.85	1.7896
25	2.20	6.60	4	3	15.2	11.4	26.6	72.8	5.93	1.1453
40	2.78	8.35	4	3	24.3	18.3	42.6	116.5	9.25	0.7158
63	3.49	10.5	4	3	38.3	28.7	67.1	183.5	14.38	0.4545
100	4.40	13.2	4	3	60.8	45.6	106.0	291.2	22.52	0.2863
125	2.97	14.9	12	7	83.7	48.6	132	362.7	27.79	0.2302
160	3.36	16.8	12	7	107	62.2	169	464.2	35.04	0.1798
200	3.76	18.8	12	7	133	77.8	211	580.3	43.13	0.1439

250	4.21	21.0	12	7	167	97.2	264	725.3	53.92	0.1151
250	3.04	21.3	18	19	131	138	269	742.2	60.39	0.1154
315	3.34	23.4	30	7	263	61.3	324	892.6	60.52	0.0916
315	3.42	23.9	18	19	165	174.0	339	935.1	76.09	0.0916
400	3.76	26.3	30	7	334	77.8	411	1133.5	75.19	0.0721
400	3.85	27.0	18	19	210	22.1	431	1187.5	95.58	0.0721
450	3.99	27.9	30	7	375	87.6	463	1275.2	84.59	0.0641
450	4.08	28.6	18	19	236	249.0	485	1335.9	107.52	0.0641
500	4.21	29.4	30	7	417	97.3	514	1416.9	93.98	0.0577
500	4.31	30.1	18	19	262	277.0	539	1484.3	119.74	0.0577
560	4.45	31.2	30	7	467	109.0	576	1586.9	105.26	0.0515
560	3.45	31.0	54	7	504	65.4	570	1571.9	101.54	0.0516
630	3.71	33.4	42	19	454	205	660	1820.0	130.25	0.0458
630	3.79	34.1	24	37	271	417	688	1897.5	160.19	0.0458
710	3.94	35.5	42	19	512	232	743	2051.2	146.78	0.0407
710	4.02	36.2	24	37	305	470	775	2138.4	180.53	0.0407
800	4.18	37.6	42	19	577	261	838	2311.2	165.39	0.0361
800	4.27	38.4	24	37	344	530	873	2409.5	203.41	0.0361
900	4.43	39.9	42	19	649	294	942	2600.1	186.06	0.0321
900	3.66	40.2	54	37	567	388	955	2638.4	199.94	0.0321
1000	3.80	41.8	72	19	816	215	1032	2849.1	211.71	0.0289
1000	3.85	42.4	54	37	630	432	1061	2931.6	213.85	0.0289
1120	4.02	44.2	72	19	914	241	1155	3191.0	248.32	0.0258
1120	4.08	44.9	54	37	705	483	1189	3283.4	238.68	0.0258
1250	4.25	46.7	72	19	1020	269	1289	3561.4	277.14	0.0231
1250	4.31	47.4	54	37	787	539	1327	3664.5	267.32	0.0231
1400	4.50	49.4	72	19	1143	302	1444	3988.8		0.0207

Aluminum Conductor Alloy Reinforced

规格号 Model	直径 Diameter (mm)		单线根数(n) Number of wires		面积 Area (mm ²)			单位长度质量 Linear Mass (kg/km)	额定抗拉力 Nominal Breaking Load (kN)	20℃时直流电阻不大于 Max. DC Resistance at20℃ (Ω /km)
	单线 wire	导体 Conductor	铝 Al	铝合金 Alloy	铝 Al	铝合金 Alloy	总和 Total			
16	1.76	5.29	4	3	9.78	7.33	17.1	46.8	4.07	1.7896
25	2.20	6.62	4	3	15.3	11.5	26.7	73.1	6.29	1.1453
40	2.78	8.37	4	3	24.4	18.3	42.8	117.0	9.82	0.7158
63	3.49	10.5	4	3	38.5	28.9	67.4	184.3	14.80	0.4545
100	4.40	13.2	4	3	61.1	45.8	107	292.5	23.49	0.2863
125	2.97	14.9	12	7	83.7	48.8	132	364.1	29.29	0.2302
160	3.36	16.9	12	7	107	62.5	170	466.0	36.95	0.1798
200	3.76	18.8	12	7	134	78.1	212	582.5	44.78	0.1439
250	4.21	21.1	12	7	167	97.6	265	728.1	55.98	0.1151
250	3.04	21.4	18	19	132	139	271	746.0	64.67	0.1154
315	3.34	23.4	30	7	263	61.4	325	894.4	62.4	0.0916
315	3.42	24.0	18	19	166	175	341	940.0	81.48	0.0916
400	3.76	26.4	30	7	334	78.0	412	1135.8	76.82	0.0721
400	3.85	27.0	18	19	211	222	433	1193.7	100.30	0.0721
450	3.99	28.0	30	7	376	87.7	464	1277.8	86.42	0.0641
450	4.08	28.7	18	19	237	250	487	1342.9	112.84	0.0641
500	4.21	29.5	30	7	418	97.5	515	1419.8	96.03	0.0577
500	4.31	30.2	18	19	263	278	542	1492.1	125.38	0.0577
560	4.45	31.2	30	7	468	109	577	1590.1	107.55	0.0515
560	3.45	31.1	54	7	505	65.5	570	1573.9	103.53	0.0516
630	3.71	33.4	42	19	456	206	662	1826.0	134.59	0.0458
630	3.79	34.2	24	37	272	420	692	1909.0	169.14	0.0458

710	3.94	35.5	42	19	514	232	746	2057.8	151.68	0.0407
710	4.02	36.3	24	37	307	473	780	2151.4	190.61	0.0407
800	4.18	37.7	42	19	579	262	840	2318.7	170.90	0.0361
800	4.27	38.5	24	37	346	533	879	2424.2	214.78	0.0361
900	4.43	40.0	42	19	651	294	945	2608.5	192.27	0.0321
900	3.66	40.3	54	37	569	390	959	2649.5	207.79	0.0321
1000	3.80	41.8	72	19	818	16	1034	2855.4	195.47	0.0289
1000	3.85	42.5	54	37	632	433	1066	2943.9	230.88	0.0289
1120	4.02	44.3	72	19	916	242	1158	3198.1	218.92	0.0258
1120	4.08	45.0	54	37	708	485	1194	3297.2	258.58	0.0258
1250	4.25	46.8	72	19	1022	270	1292	3569.3	244.33	0.0231
1250	4.31	47.5	54	37	791	542	1332	3679.9	288.60	0.0231
1400	4.50	49.5	72	19	1145	302	1447	3997.6	273.65	0.0207