

ELECTRIC WIRES & CABLE



铝绞线及钢芯铝绞线 Aluminium Stranded Conductors and Aluminium Conductor Steel-Reinforced

1 执行标准 Executive Standard

本产品按照GB/T1179-1999圆线同心绞架空导线；GB1179-83铝绞线及铜芯铝绞线制造。
It is manufactured according to the standard of GB/T1179-1999 and GB1179-83.

2 型号及名称 Type and Designation

型号 Type	名称 Designation	额定电压 Rated Voltage kV	标称截面 Normal cross sectional area mm ²
GB1179-83 GB/T1179-1999			
LJ JL	铝绞线 Aluminium stranded conductor		16 ~ 800
LGJ JL/G1A.JL/G2A JI/G1R.JL/G2B JL/G3A	钢芯铝绞线 Aluminium conductor steel-reinforced	500kV及以下 Upto and including 500kV	10/2 ~ 500/65
LGJF JL/G1AF JL/G2AF JL/G3AF	防腐钢芯铝绞线 Corrosion proof aluminium conductor steel-reinforced		10/2 ~ 500/65

3 结构尺寸主要技术参数 Structure and Performances

铝绞线 Aluminium stranded conductor

标称截面 Normal cross sectional area	导体结构 (根数、直径) Conductor construction (No./dia.)	计算外径 Calculated outer diameter	计算拉断力 Calculated breaking load	计算面积 Calculated area	计算重量 Calculated weight	交货长度 Delivery length	20°C直流电阻 (不大于) Max.D.c Resistance(20°C)	截流量 Current Rating 90°C
mm ²	mm	mm	N	mm ²	kg/km	m	Ω/km	A
16	7/1.70	5.10	2840	15.89	43.5	4000	1.802	111
25	7/2.15	6.45	4355	25.41	69.6	3000	1.127	147
35	7/2.50	7.50	5760	34.36	94.1	2000	0.8332	180
50	7/3.00	9.00	7930	49.48	135.5	1500	0.5786	227
70	7/3.60	10.80	10950	71.25	195.1	1250	0.4018	284
95	7/4.16	12.48	14450	95.14	260.5	1000	0.3009	338
120	19/2.85	14.25	19420	121.21	333.5	1500	0.2373	390
150	19/3.15	15.75	23310	148.07	407.4	1250	0.1943	454
185	19/3.50	17.50	28440	182.80	503.0	1000	0.1574	518
210	19/3.75	18.75	32260	209.85	577.4	1000	0.1371	575
240	19/4.00	20.00	36260	238.76	656.9	1000	0.1205	610
300	37/3.20	22.40	46850	297.57	820.4	1000	0.09689	707
400	37/3.70	25.90	61150	397.83	1097	1000	0.07247	851
500	37/4.16	29.12	76370	502.90	1387	1000	0.05733	982
630	61/3.63	32.67	91940	631.30	1744	800	0.04577	1140
800	61/4.10	36.90	115900	805.36	2225	800	0.03588	1340

电线电缆类

钢芯铝绞线 Aluminium conductor steel-reinforced

标称截面 铝/钢 Normal cross sectional area	导体结构 (根数/直径) Conductor construction (No./dia.)		计算外径 Calculated outer diameter	计算拉断力 Calculated breaking load	计算面积 Calculated area		计算重量 Calculated weight	交货长度 Delivery length	20°C直流电阻 (不大于) Max.D.c Resistance(20°C)	截流量 Current Rating 90°C
	铝 Al	钢 St			铝 Al	钢 St				
	mm ²	mm			mm	N				
10/2	6/1.50	1/1.50	4.50	4120	10.60	1.77	43.1	3000	2.706	87
16/3	6/1.85	1/1.85	5.55	6130	16.13	2.69	65.6	3000	1.779	111
25/4	6/2.32	1/2.32	6.96	9290	25.36	4.23	103.2	3000	1.131	147
35/6	6/2.27	1/2.72	8.16	12630	34.86	5.81	141.8	3000	0.8230	180
50/8	6/3.20	1/3.20	9.60	16870	48.25	8.04	196.3	2000	0.5946	227
50/30	12/2.32	7/2.32	11.60	42620	50.73	29.59	374.7	3000	0.5692	227
70/10	6/3.8	1/3.80	11.40	23390	68.05	11.34	276.8	2000	0.4217	287
70/40	12/2.72	7/2.72	13.60	58300	69.73	40.67	515.0	2000	0.4141	287
95/15	26/2.15	7/1.67	13.61	35000	94.39	15.33	382.6	2000	0.3058	338
95/20	7.4.16	7/1.85	13.87	37200	95.14	18.82	412.3	2000	0.319	338
95/55	12/3.20	7/3.20	16.00	78110	96.51	56.30	712.8	2000	0.2992	338
120/7	18/2.90	1/2.90	14.50	27570	118.89	6.61	380.6	2000	0.2422	390
120/20	26/2.38	7/1.85	15.07	41000	115.67	18.82	469.1	2000	0.2496	390
120/25	7/4.72	7/2.10	15.74	47880	122.48	24.25	530.9	2000	0.2345	390
120/70	12/3.20	7/3.60	18.00	98370	122.15	71.25	902.1	2000	0.2364	390
150/8	18/3.20	1/3.20	16.00	32860	144.76	8.04	463.4	2000	0.1989	454
150/20	24/2.78	7/1.85	16.67	46630	144.67	18.82	552.1	2000	0.1980	454
150/25	26/2.70	7/2.10	17.10	54110	148.86	24.25	603.9	2000	0.1930	454
150/35	30/2.50	7/2.50	17.50	65020	147.26	34.36	679.6	2000	0.1962	454
185/10	18/3.60	1/3.60	18.00	40880	183.22	10.18	586.5	2000	0.1572	518
185/25	24/3.15	7/2.10	18.90	59420	187.04	24.25	709.6	2000	0.1542	518
185/30	26/2.98	7/2.32	18.88	64320	181.34	29.59	736.1	2000	0.1592	518
185/45	30/2.80	7/2.80	19.60	80190	184.73	43.10	852.5	2000	0.1564	518
210/10	18/3.80	1/3.80	19.00	45140	204.14	11.34	653.4	2000	0.1411	575
210/25	24/3.33	7/2.22	19.98	65990	209.02	27.10	793.0	2000	0.1380	575
210/35	26/3.22	7/2.50	20.38	74250	211.73	34.36	858.0	2000	0.1363	575
210/50	30/2.98	7/2.98	20.86	9.830	209.24	48.82	965.6	2000	0.1381	575
240/30	24/3.60	7/2.40	21.60	75620	244.29	31.67	926.8	2000	0.1181	610
240/40	26/3.42	7/2.66	21.66	83370	238.85	38.90	969.0	2000	0.1209	610
240/55	30/3.20	7/3.20	22.40	102100	241.27	56.30	1113.4	2000	0.1198	610
300/15	42/300	7/1.67	23.01	68060	296.88	15.33	943.0	2000	0.09742	707
300/20	45/2.93	7/1.95	23.43	75680	303.42	20.91	1005.2	2000	0.09520	707
300/25	48/2.85	7/2.22	23.76	83410	306.21	27.10	1062.0	2000	0.09433	707
300/40	24/3.99	7/2.66	23.94	92220	300.09	38.90	1138.5	2000	0.09614	707
300/50	26/3.83	7/2.98	24.26	103400	299.54	48.82	1215.5	2000	0.09636	707
300/70	30/3.60	7/3.60	25.20	128000	305.36	71.25	1409.2	2000	0.09463	707

ELECTRIC WIRES & CABLE

钢芯铝绞线 Aluminium conductor steel-reinforced

标称截面 铝/钢 Normal cross sectional area mm ²	导体结构 (根数/直径) Conductor construction (No./dia.)		计算外径 Calculated outer diameter mm	计算拉断力 Calculated breaking load N	计算面积 Calculated area mm ²		计算重量 Calculated weight kg/km	交货长度 Delivery length m	20°C直流电阻 (不大于) Max.D.c Resistance(20°C) Ω/km	截流量 Current Rating 90°C A
	铝 Al mm	钢 At			铝 Al mm ²	钢 At				
400/20	42/3.15	7/1.96	26.91	88850	406.40	20.91	1290.2	1500	0.07104	851
400/25	45/3.33	7/2.22	26.64	95940	391.91	27.10	1299.1	1500	0.07370	851
400/35	48/3.22	7/2.50	26.82	103900	390.88	34.36	1353.8	1500	0.07389	851
400/50	54/3.207	7/3.07	27.63	123400	399.73	51.82	1516.5	1500	0.07232	851
400/65	26/4.42	7/3.44	28.00	135200	398.94	65.06	1619.1	1500	0.07236	851
400/95	30/4.16	19/2.50	29.14	171300	407.75	92.27	1866.8	1500	0.07087	851
500/35	45/3.75	7/2.50	30.00	119500	497.01	34.36	1647.5	1500	0.05812	982
500/45	48/3.60	7/2.80	30.00	128100	488.58	43.10	1693.4	1500	0.05912	982
500/65	54/3.44	7/3.44	30.96	154000	501.88	65.06	1904.0	1500	0.05760	982