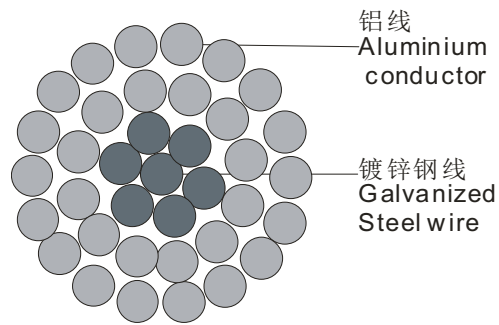


钢芯铝绞线

Aluminium Conductors Steel Reinforced (ACSR)



使用范围及主要特性

适用作大档距架空输配电线路或线路的架空地线, 连续使用温度可达75℃.

生产执行标准

GB/T 1179-2008
GB/T 1179-1999
GB/T 1179-1983
IEC 61089-1991
DIN 48204-1980
ASTM B232-81
BS 215 PART 2:1970

Usage scope and main characteristics

It is applied for large span overhead transmission and distribution lines or overhead ground wire of lines. Temperature for continuous use can be up to 75 °C.

Executive standard

GB/T 1179-2008
GB/T 1179-1999
GB/T 1179-1983
IEC 61089-1991
DIN 48204-1980
ASTM B232-81
BS 215 PART 2:1970

钢芯铝绞线(LGJ) GB/T1179-2008

标称截面 cross sectional area 铝/钢 Aluminium/ steel	钢比 Steel Ratio/%	规格号 Code	面积 Area mm ² 铝/钢 Aluminium/ steel	根数/单丝直径 (Nos/mm)		外径 Outer Diameter mm		重量 Weight kg/km	额定抗拉力 Rated Tensile Strength (KN)					20℃直流电阻 D.C Resistance at 20℃ Ω/km
				铝 Aluminium	钢 Steel	钢芯 Steel Core	绞线 stranded wire		JL/G1A	JL/G1B	JL/G2A	JL/G2B	JL/G3A	
16/3	17	16	16/2.67	6/1.84	1/1.84	1.84	5.53	64.60	6.080	5.89	6.45	6.27	6.83	1.7934
25/4	17	25	25/4.17	6/2.30	1/2.30	2.30	6.91	100.90	9.130	8.83	9.71	9.42	10.25	1.1478
40/6	17	40	40/6.67	6/2.91	1/2.91	2.91	8.74	161.50	14.400	13.93	15.33	14.87	16.20	0.7174
65/10	17	63	63/10.5	6/3.66	1/3.66	3.66	11.00	254.40	21.630	20.58	22.37	21.63	24.15	0.4555
100/17	17	100	100/16.7	6/4.61	1/4.61	4.61	13.80	403.80	34.330	32.67	35.50	34.33	38.33	0.2869
125/17	6	125	125/6.94	18/2.97	1/2.97	2.97	14.90	397.90	29.170	28.68	30.14	29.65	31.04	0.2304
125/20	16	125	125/20.4	26/2.47	7/1.92	5.77	15.70	503.90	45.690	44.27	48.54	47.12	51.39	0.231
160/9	6	160	160/8.89	18/3.36	1/3.36	3.36	16.80	509.30	36.180	35.29	37.42	36.80	38.67	0.18
160/26	16	160	160/26.1	26/2.80	7/2.18	6.53	17.70	644.90	57.690	55.86	61.34	59.51	64.99	0.1805
200/11	6	200	200/11.1	18/3.76	1/3.76	3.76	18.80	636.70	44.220	43.11	45.00	44.22	46.89	0.144
200/32	16	200	200/32.6	26/3.13	7/2.43	7.30	19.80	806.20	70.130	67.85	74.69	72.41	78.93	0.1444
250/25	10	250	250/24.6	22/3.80	7/2.11	6.34	21.60	880.60	68.720	67.01	72.16	70.44	75.60	0.1154
250/40	16	250	250/40.7	26/3.50	7/2.72	8.16	22.20	1007.70	87.670	84.82	93.37	90.52	98.66	0.1155
315/22	7	315	315/21.8	45/2.99	7/1.99	5.97	23.90	1039.60	79.030	77.51	82.08	80.55	85.13	0.0917
315/50	16	315	315/51.3	26/3.93	7/3.05	9.16	24.90	1269.70	106.830	101.70	114.02	110.43	121.20	0.0917
400/28	7	400	400/27.7	45/3.36	7/2.24	6.73	26.90	1320.10	98.360	96.42	102.23	100.29	106.10	0.0722
400/50	13	400	400/51.9	54/3.07	7/3.07	9.21	27.60	1510.30	123.040	117.85	130.30	126.67	137.56	0.0723
450/30	7	450	450/31.1	45/3.57	7/2.38	7.14	28.50	1485.20	107.470	105.29	111.82	109.64	115.87	0.0642
450/60	13	450	450/58.3	54/3.26	7/3.26	9.77	29.30	1699.10	138.420	132.58	146.58	142.50	154.75	0.0643
500/35	7	500	500/34.6	45/3.76	7/2.51	7.52	30.10	1650.20	119.410	116.99	124.25	121.83	128.74	0.0578
500/65	13	500	500/64.8	54/3.43	7/3.43	10.30	30.90	1887.90	153.800	147.31	162.87	158.33	171.94	0.0578
560/40	7	560	560/38.7	45/3.98	7/2.65	7.96	31.80	1848.20	133.740	131.03	139.16	136.45	144.19	0.0516
560/70	13	560	560/70.9	54/3.63	19/2.18	10.90	32.70	2103.40	172.590	167.63	182.52	177.56	192.19	0.0516
630/45	7	630	630/43.6	45/4.22	7/2.81	8.44	33.80	2079.20	150.450	147.40	156.55	153.50	162.21	0.0459
630/80	13	630	630/79.8	54/3.85	19/2.31	11.60	34.70	2366.30	191.770	186.19	202.94	197.36	213.32	0.0459
710/50	7	710	710/49.1	45/4.48	7/2.99	8.96	35.90	2343.20	169.560	166.12	176.43	172.99	182.81	0.0407
710/90	13	710	710/89.9	54/4.09	19/2.45	12.30	36.80	2666.80	216.120	209.83	228.71	222.42	240.41	0.0407
800/35	4	800	800/34.6	72/3.76	7/2.51	7.52	37.60	2480.20	167.410	164.99	172.25	169.83	176.74	0.0361
800/65	8	800	800/66.7	84/3.48	7/3.48	10.40	38.30	2732.70	205.330	198.67	214.67	210.00	224.00	0.0362
800/100	13	800	800/101	54/4.34	19/2.61	13.00	39.10	3004.90	243.520	236.43	257.71	250.61	270.88	0.0362
900/40	4	900	900/38.9	72/3.99	7/2.66	7.98	39.90	2790.20	188.330	185.61	193.78	191.06	198.83	0.0321
900/75	8	900	900/75.0	84/3.69	7/3.69	11.10	40.60	3074.20	226.500	219.00	231.75	226.50	244.50	0.0322
1000/45	4	1000	1000/43.2	72/4.21	7/2.80	8.41	42.10	3100.30	209.260	206.23	215.31	212.28	220.93	0.0289
1120/50	4	1120	1120/47.3	72/4.45	19/1.78	8.90	44.50	3464.90	234.530	231.22	241.15	237.84	247.77	0.0258
1120/90	8	1120	1120/91.2	84/4.12	19/2.47	12.40	45.30	3811.50	283.170	276.78	295.14	289.55	307.79	0.0258
1250/50	4	1250	1250/52.8	72/4.70	19/1.88	9.40	47.00	3867.10	261.750	258.06	269.14	265.44	276.53	0.0231
1250/100	8	1250	1250/102	84/4.35	19/2.61	13.10	47.90	4253.90	316.040	308.91	330.29	323.16	343.52	0.0232

注：表中性能同样适用于JL/G1A、JL/G2A、JL/G3A防腐型钢芯铝绞线，但单位长度质量应按附录C的方法计算。
Note: The parameter listed in the table is also suitable for JL/G1A, JL/G2A, JL/G3A type corrosion-proof aluminum-steel conductor. But the unit length and weight shall be calculated in accordance with attachment C.

钢芯铝绞线(LGJ) GB/T1179-1999

规格号 Code	面积 Area mm ²	根数/单丝直径 No. of wires/ Diameter (Nos/mm)		外径 Outer Diameter,mm		重量 Weight kg/km	额定抗拉力 (KN) Rated Tensile Strength (KN)					20℃直流电 阻 D.C Resistance at 20℃ Ω/km
	铝/钢 Aluminium/ steel	铝 Al	钢 Steel	钢芯 Steel Core	绞线 strand wire		JL/G1A	JL/G1B	JL/G2A	JL/G2B	JL/G3A	
16	16/2.67	6/1.84	1/1.84	1.84	5.53	64.60	6.080	5.89	6.45	6.27	6.83	1.7934
25	25/4.17	6/2.30	1/2.30	2.30	6.91	100.90	9.130	8.83	9.71	9.42	10.25	1.1478
40	40/6.67	6/2.91	1/2.91	2.91	8.74	161.50	14.400	13.93	15.33	14.87	16.20	0.7174
63	63/10.5	6/3.66	1/3.66	3.66	11.00	254.40	21.630	20.58	22.37	21.63	24.15	0.4555
100	100/16.7	6/4.61	1/4.61	4.61	13.80	403.80	34.330	32.67	35.50	34.33	38.33	0.2869
125	125/6.94	18/2.97	1/2.97	2.97	14.90	397.90	29.170	28.68	30.14	29.65	31.04	0.2304
125	125/20.4	26/2.47	7/1.92	5.77	15.70	503.90	45.690	11.27	48.54	47.12	51.39	0.231
160	160/8.89	18/3.66	1/3.36	3.36	16.80	509.30	36.180	35.29	37.42	36.80	38.67	0.18
160	160/26.1	26/2.80	7/2.18	6.53	17.70	644.90	57.690	55.86	61.34	59.51	64.99	0.1805
200	200/11.1	18/3.76	1/3.76	3.76	18.80	636.70	44.220	43.11	45.00	44.22	46.89	0.144
200	200/32.6	26/3.13	7/2.43	7.30	19.80	806.20	70.130	67.85	74.69	72.41	78.93	0.1444
250	250/24.6	22/3.80	7/2.11	6.34	21.60	880.60	68.720	67.01	72.16	70.44	75.60	0.1154
250	250/40.7	26/3.50	7/2.72	8.16	22.20	1007.70	87.670	84.82	93.37	90.52	98.66	0.1155
315	315/21.8	45/2.99	7/1.99	5.97	23.90	1039.60	79.030	77.51	82.08	80.55	85.13	0.0917
315	315/51.3	26/3.93	7/3.05	9.16	24.90	1269.70	106.830	101.70	114.02	110.43	121.20	0.0917
400	400/27.7	45/3.36	7/2.24	6.73	26.90	1320.10	98.360	96.42	102.23	100.29	106.10	0.0722
400	400/51.9	54/3.07	7/3.07	9.21	27.60	1510.30	123.040	117.85	130.30	126.67	137.56	0.0723
450	450/31.1	45/3.57	7/2.38	7.14	28.50	1485.20	107.470	105.29	111.82	109.64	115.87	0.0642
450	450/58.3	54/3.26	7/3.26	9.77	29.30	1699.10	138.420	132.58	146.58	142.50	154.75	0.0643
500	500/34.6	45/3.76	7/2.51	7.52	30.10	1650.20	119.410	116.99	124.25	121.83	128.74	0.0578
500	500/64.8	54/3.43	7/3.43	10.30	30.90	1887.90	153.800	147.31	162.87	158.33	171.94	0.0578
560	560/38.7	45/3.98	7/2.65	7.96	31.80	1848.20	133.740	131.03	139.16	136.45	144.19	0.0516
560	560/70.9	54/3.63	19/2.18	10.90	32.70	2103.40	172.590	167.63	182.52	177.56	192.19	0.0516
630	630/43.6	45/4.22	7/2.81	8.44	33.80	2079.20	150.450	147.40	156.55	153.50	162.21	0.0459
630	630/79.8	54/3.85	19/2.31	11.60	34.70	2366.30	191.770	186.19	202.94	197.36	213.32	0.0459
710	710/49.1	45/4.48	7/2.99	8.96	35.90	2343.20	169.560	166.12	176.43	172.99	182.81	0.0407
710	710/89.9	54/4.09	19/2.45	12.30	36.80	2666.80	216.120	209.83	228.71	222.42	240.41	0.0407
800	800/34.6	72/3.76	7/2.51	7.52	37.60	2480.20	167.410	164.99	172.25	169.83	176.74	0.0361
800	800/66.7	84/3.48	7/3.48	10.40	38.30	2732.70	205.330	198.67	214.67	210.00	224.00	0.0362
800	800/101	54/4.34	19/2.61	13.00	39.10	3004.90	243.520	236.43	257.71	250.61	270.88	0.0362
900	900/38.9	72/3.99	7/2.66	7.98	39.90	2790.20	188.330	185.61	193.78	191.06	198.83	0.0321
900	900/75.0	84/3.69	7/3.69	11.10	40.60	3074.20	226.500	219.00	231.75	226.50	244.50	0.0322
1000	1000/43.2	72/4.21	7/2.80	8.41	42.10	3100.30	209.260	206.23	215.31	212.28	220.93	0.0289
1120	1120/47.3	72/4.45	7/1.78	8.90	44.50	3464.90	234.530	231.22	241.15	237.84	247.77	0.0258
1120	1120/91.2	84/4.12	19/2.47	12.40	45.30	3811.50	283.170	276.78	295.14	289.55	307.79	0.0258
1250	1250/52.8	72/4.70	19/1.88	9.40	47.00	3867.10	261.750	258.06	269.14	265.44	276.53	0.0231
1250	1250/102	84/4.35	19/2.61	13.10	47.90	4253.90	316.040	308.91	330.29	323.16	343.52	0.0232

注：表中性能同样适用于JFL/G1A, JFL/G2A, JFL/G3A防腐型钢芯铝绞线，但单位长度质量应按附录C的方法计算。

Note: The parameter listed in the table is also suitable for JFL/G1A type, JFL/G2A type, & JFL/G3A type corrosion-proof aluminum-steel conductor. But the unit length and weight shall be calculated in accordance with attachment C.

钢芯铝绞线(LGJ) GB/T 1179-1983

规格号 Code	面积Area (mm ²)	根数/单丝直径 No. of wires/ Diameter (Nos/mm)		外径 Outer Diamete (mm)	重量 Weight (kg/km)	额定抗拉力 (KN) Rated Tensile Strength (KN)	20℃直流电阻 D.C Resistance at 20℃ (Ω/km)
	铝/钢 Aluminium/ steel	铝 Aluminium	钢 Steel	绞线 stranded wire			
10/2	10.60/1.77	6/1.50	1/1.50	4.50	42.90	4.120	2.706
16/3	16.13/2.69	6/1.85	1/1.85	5.55	65.20	6.130	1.779
25/4	25.36/4.23	6/2.32	1/2.32	6.96	102.60	9.290	1.131
35/6	34.86/5.81	6/2.72	1/2.72	8.16	141.00	12.630	0.823
50/8	48.25/8.04	6/3.20	1/3.20	9.60	195.10	16.870	0.5946
50/30	50.73/29.59	12/2.32	7/2.32	11.60	372.00	42.620	0.5692
70/10	68.05/11.34	6/2.32	1/3.80	11.40	275.20	23.390	0.4217
70/40	69.73/40.67	6/3.80	7/2.72	13.60	511.30	58.300	0.4141
95/15	94.39/15.33	12/2.72	7/1.67	13.61	380.80	35.000	0.3058
95/20	95.14/18.82	26/2.15	7/1.85	13.87	408.90	37.200	0.3019
95/55	96.51/56.30	7/4.16	7/3.20	16.00	707.70	78.110	0.2992
120/7	118.89/6.61	12/3.20	1/2.90	14.50	379.00	27.570	0.2422
120/20	115.67/18.82	18/2.90	7/1.85	15.07	466.80	41.000	0.2496
120/25	122.48/24.25	26/2.38	7/2.10	15.74	526.60	47.880	0.2345
120/70	122.15/71.25	12/3.60	7/3.60	18.00	895.60	98.370	0.2364
150/8	144.76/8.04	18/3.20	1/3.20	16.00	461.40	32.860	0.1989
150/20	145.68/18.82	24/2.78	7/1.85	16.67	549.40	46.630	0.198
150/25	148.86/24.25	26/2.70	7/2.10	17.10	601.00	54.110	0.1939
150/35	147.26/34.36	30/2.5	7/2.50	17.50	676.20	65.020	0.1962
185/10	183.22/10.18	18/3.60	1/3.60	18.00	584.00	40.880	0.1572
185/25	187.04/24.25	24/3.15	7/2.10	18.90	706.10	59.420	0.1542
185/30	181.34/29.59	26/2.98	7/2.32	18.88	732.60	64.320	0.1592
185/45	184.73/43.10	30/2.80	7/2.80	19.60	848.20	80.190	0.1564
210/10	204.14/11.34	18/3.80	1/3.80	19.00	650.70	45.140	0.1411
210/25	209.02/27.10	24/3.33	7/2.22	19.98	789.10	65.990	0.138
210/35	211.73/34.36	26/3.22	7/2.50	20.38	853.90	74.250	0.1363
210/50	209.24/48.82	30/2.98	7/2.98	20.86	960.80	90.830	0.1381
240/30	244.29/31.67	24/3.60	7/2.40	21.60	922.20	75.620	0.1181
240/40	238.85/38.90	26/3.42	7/2.66	21.66	964.30	83.370	0.1209
240/55	241.27/56.30	30/3.20	7/3.20	22.40	1108.00	102.100	0.1198
300/15	296.88/15.33	42/3.00	7/1.67	23.01	939.80	68.060	0.09724
300/20	303.42/20.91	45/2.93	7/1.95	23.43	1002.00	75.680	0.0952
300/25	306.21/27.10	48/2.85	7/2.22	23.76	1058.00	83.410	0.09433
300/40	300.09/38.90	24/3.99	7/2.66	23.94	1133.00	92.220	0.09614
300/50	299.54/48.82	26/3.83	7/2.98	24.26	1210.00	103.400	0.09636
300/70	305.36/71.25	30/3.60	7/3.60	25.20	1402.00	128.000	0.09463
400/20	406.4/20.91	42/3.51	7/1.95	26.91	1286.00	88.850	0.07104
400/25	391.91/27.10	45/3.33	7/2.22	26.64	1295.00	95.940	0.0737
400/35	390.88/34.36	48/3.22	7/2.50	26.82	1349.00	103.900	0.07389
400/50	399.73/51.82	54/3.07	7/3.07	27.63	1511.00	123.400	0.07232
400/65	398.94/65.06	26/4.42	7/3.44	28.00	1611.00	135.200	0.07236
400/95	407.75/93.27	30/4.16	19/2.50	29.14	1860.00	171.300	0.07087
500/35	497.01/34.36	45/3.75	7/2.50	30.00	1642.00	119.500	0.05812
500/45	488.58/43.10	48/3.60	7/2.80	30.00	1688.00	128.100	0.05912
500/65	501.88/65.06	54/3.44	7/3.44	30.96	1897.00	154.000	0.0576
630/45	623.45/43.10	45/4.20	7/2.80	33.60	2060.00	148.700	0.04633
630/55	639.92/56.30	48/4.12	7/3.20	34.32	2209.00	164.400	0.04514
630/80	635.19/80.32	54/3.87	19/2.32	34.82	2388.00	192.900	0.04551
800/55	814.30/56.30	45/4.80	7/3.20	38.40	2690.00	191.500	0.03547
800/70	808.15/71.25	48/4.63	7/3.60	38.58	2791.00	207.000	0.03574
800/100	795.17/100.88	54/4.33	7/2.60	38.98	2991.00	241.100	0.03635

钢芯铝绞线

Aluminium Conductors Steel Reinforced (ACSR) (DIN 48204-1980)

Nominal Cross Sections 标称截面积 (mm ²)	Construction Number and diameter of wires 根数/单丝直径		Cross-section area 截面积			Overall Diameter 外径 (mm)	Weight 重量		Calculated Breaking load 计算破断力		Calculated D.C. Resistance at 20°C 20°C 直流电阻 (ohm/km)
	Al 铝 (mm)	Steel 钢 (mm)	Al 铝 (mm ²)	Steel 钢 (mm ²)	Total 总计 (mm ²)		Al 铝 (kg/km)	Steel 钢 (kg/km)	kgf	kN	
16/2.5	6/1.8	1/1.8	15.27	2.25	17.81	5.40	42	20	592	5.81	1.879
25/4	6/2.25	1/2.25	23.88	3.98	27.84	6.75	65	31	920	9.02	1.203
35/6	6/2.7	1/2.7	34.35	5.73	40.08	8.10	94	45	1295	12.70	0.8353
44/32	14/2.0	7/2.4	43.98	31.67	75.65	11.20	122	248	4636	45.46	0.6573
50/8	6/3.2	1/3.2	48.25	8.04	56.29	9.60	132	63	1752	17.18	0.5946
50/30	12/2.33	7/2.33	51.17	29.85	81.02	11.65	141	234	4515	44.28	0.5644
70/12	26/1.85	7/1.44	69.86	11.40	81.29	11.72	193	89	2683	26.31	0.4130
95/15	26/2.15	7/1.67	94.39	15.33	109.72	13.61	260	120	3586	35.17	0.3058
95/55	12/3.2	7/3.2	96.51	56.30	152.81	16.00	266	441	8178	80.20	0.2992
105/75	14/3.1	19/2.25	105.67	75.55	181.22	17.45	292	594	10879	106.69	0.2736
120/20	26/2.44	7/1.9	121.57	19.85	141.42	15.46	335	156	4583	44.94	0.2374
120/70	12/3.6	7/3.6	122.15	71.25	193.40	18.00	337	558	10009	98.16	0.2364
125/30	30/2.33	7/2.33	127.92	29.85	157.77	16.31	353	234	5900	57.86	0.2259
150/25	26/2.7	7/2.1	148.86	24.25	173.11	17.10	411	190	5544	54.37	0.1939
170/40	30/2.7	7/2.7	171.77	40.08	211.85	18.90	474	314	7853	77.01	0.1682
185/30	26/3.0	7/2.33	183.78	29.85	213.63	18.99	507	234	6759	66.28	0.1571
210/35	26/3.2	7/2.49	209.10	34.09	243.19	20.27	577	267	7642	74.94	0.1380
210/50	30/3.0	7/3.0	212.06	49.48	261.54	21.00	585	388	9407	92.25	0.1363
230/30	24/3.5	7/2.33	230.90	29.85	260.75	20.99	636	234	7453	73.09	0.1249
240/40	26/3.45	7/2.68	243.05	39.49	282.54	21.84	670	309	8816	86.46	0.1188
265/35	24/3.74	7/2.49	263.66	34.09	297.75	22.43	727	267	8457	82.94	0.1094
300/50	26/3.86	7/3.0	304.26	49.48	353.74	24.44	839	388	10716	105.09	0.09487
305/40	54/2.68	7/2.68	304.62	39.49	344.11	24.12	841	309	10126	99.30	0.09490
340/30	48/3.0	7/2.33	339.29	29.85	369.14	24.99	936	234	9438	92.56	0.08513
380/50	54/3.0	7/3.0	381.70	49.48	431.18	27.00	1054	388	12329	120.91	0.07573
385/35	48/3.2	7/2.49	386.04	34.09	420.13	26.67	1065	267	10637	104.31	0.07482
435/55	54/3.2	7/3.2	434.29	56.30	490.59	28.80	1199	441	13896	136.27	0.06656
450/40	48/3.45	7/2.68	448.71	39.49	488.20	28.74	1238	309	12256	120.19	0.06437
490/65	54/3.4	7/3.4	490.28	63.55	553.83	30.60	1354	498	15586	152.85	0.05896
495/35	45/3.74	7/2.49	494.36	34.09	528.48	29.91	1364	267	12268	120.31	0.05843
510/45	48/3.68	7/2.87	510.54	45.28	555.82	30.69	1409	355	13698	134.33	0.05657
550/70	54/3.6	7/3.6	549.65	71.25	620.90	32.40	1518	558	17072	167.42	0.05259
560/50	48/3.86	7/3.0	561.70	49.48	611.18	32.16	1550	388	14916	146.28	0.05142
570/40	45/4.02	7/2.68	571.16	39.49	610.65	32.16	1576	309	14070	137.98	0.05057
650/45	45/4.3	7/2.87	653.49	45.28	698.77	34.41	1803	355	15859	155.52	0.04420
680/85	54/4.0	19/2.4	678.58	85.95	764.53	36.00	1874	676	21413	209.99	0.04260
1045/45	72/4.3	7/2.87	1045.58	45.28	1090.86	43.01	2889	355	22246	217.87	0.02766

**ACSR钢芯铝绞线
Aluminum Conductor Steel Reinforced ASTM B232**

Code Word 规格号	Size大小 AWG or kcmil	Stranding No/根数	Diameter, mm 直径				Weight, 重量kg/km			Rated Strength 额定抗拉力 (KN)	Resistance OHMS/ km DC at 20°C 20°C直流电阻 Ω/km		
			Individual wires单 根		Steel core钢 芯	Cable 电缆	AL 铝	Steel 钢	Total 总计			Content含量%	
			AL 铝	St 钢								AL 铝	Steel 钢
Turkey	6	6/1	1.68	1.68	1.68	5.03	36.460	17.25	53.70	67.88	32.12	5.29	0.2160
Swan	4	6/1	2.12	2.12	2.12	6.35	57.880	27.39	85.30	67.88	32.12	8.28	0.1357
Swanate	4	7/1	1.96	2.62	2.62	6.53	57.850	41.70	99.60	58.11	41.89	10.50	0.1357
Sparrow	2	6/1	2.67	2.67	2.67	8.03	92.120	43.59	136.00	67.88	32.12	12.68	0.8333
Sparrow	2	7/1	2.47	3.30	3.30	8.26	92.160	66.46	159.00	58.10	41.90	15.39	0.8235
Robin	1	6/1	3.00	3.00	3.00	8.99	116.300	55.01	171.00	67.88	32.12	15.79	0.6594
Raven	1/0	6/1	3.37	3.37	3.37	10.11	146.600	69.35	216.00	67.88	32.12	19.49	0.5216
Quail	2/0	6/1	3.78	3.78	3.78	11.35	184.600	87.37	272.00	67.88	32.12	23.62	0.4134
Pigeon	3/0	6/1	4.25	4.25	4.25	12.75	232.700	110.10	343.00	67.88	32.12	29.45	0.3281
Penguin	4/0	6/1	4.77	4.77	4.77	14.30	293.700	139.00	433.00	67.88	32.12	37.15	0.2608
Waxwing	266.8	18/1	3.09	3.09	3.09	15.47	371.800	58.38	430.00	86.43	13.57	30.61	0.2110
Partridge	266.8	26/7	2.57	2.00	6.00	16.31	374.000	171.90	546.00	68.51	31.49	50.27	0.2090
Ostrich	300	26/7	2.73	2.12	6.37	17.27	420.200	193.20	613.00	68.51	31.49	56.50	0.1860
Merlin	336.4	18/1	3.47	3.47	3.47	17.37	469.200	73.61	543.00	86.44	13.56	38.62	0.1673
Linne	336.4	26/7	2.89	2.25	6.74	18.29	471.000	216.50	687.00	68.51	31.49	62.73	0.1657
Oriole	336.4	30/7	2.69	2.69	8.07	18.82	472.700	310.60	783.00	60.35	39.65	76.97	0.1647
Chickadee	397.5	18/1	3.77	3.77	3.77	18.87	554.300	87.03	641.00	86.43	13.57	44.22	0.1417
Bran	397.5	24/7	3.27	2.18	6.54	19.61	557.100	203.90	761.00	73.21	26.79	64.96	0.1411
Ibis	397.5	26/7	3.14	2.44	7.33	19.89	556.600	255.80	812.00	68.51	31.49	72.52	0.1404
Lark	397.5	30/7	2.92	2.92	8.77	20.47	558.400	366.90	925.00	60.35	39.65	90.31	0.1394
Pelican	477	18/1	4.14	4.14	4.14	20.68	665.400	104.40	770.00	86.44	13.56	52.50	0.1181
Flicker	477	24/7	3.58	2.39	7.16	21.49	668.800	244.70	913.00	73.21	26.79	76.52	0.1175
Kawk	477	26/7	3.44	2.67	8.03	21.79	668.000	307.10	975.00	68.51	31.49	86.76	0.1168
Hen	477	30/7	3.20	3.20	9.61	22.43	670.300	440.40	1110.00	60.35	39.65	105.90	0.1161
Osprey	556.5	18/1	4.47	4.47	4.47	22.33	775.800	121.70	898.00	86.43	13.57	60.95	0.1010

**ACSR钢芯铝绞线
Aluminum Conductor ,Steel Reinforced, ASTM B232**

Code Word 规格号	Size 大小 kcmil	stranding根数		Diameter,mm直径			Weight, 重量kg/km			Content含量%		Rated Strength额 定抗拉力 (KN)	Resistance OHMS/ km DC at 20°C 20°C直流电阻 Ω/km
		(AL/St.) 铝/钢	单根	AL 铝	Steel core钢 芯	Cable电 缆	AL 铝	Steel 钢	Total 总计	AL 铝	Steel 钢		
Parakeet	556.5	24/7	3.87	2.58	7.73	23.22	780.100	285.50	1066.00	73.210	26.79	88.01	0.1007
Dove	556.5	26/7	3.72	2.89	8.67	23.55	780.100	358.60	1139.00	68.510	31.49	100.5	0.1004
Eagle	556.5	30/7	3.46	3.46	10.38	24.21	781.900	513.70	1296.00	60.350	39.65	123.6	0.0994
Peacock	605	24/7	4.03	2.69	8.07	24.21	848.300	310.60	1159.00	73.200	26.80	96.01	0.0925
Squab	605	26/7	3.87	3.01	9.04	24.54	847.500	389.50	1237.00	68.510	31.49	108	0.0922
WoodDuck	605	30/7	3.61	3.61	10.82	25.27	853.0	558.40	1408.00	60.350	39.65	128.5	0.09426
Teal	605	30/19	3.61	2.16	10.82	25.25	850.000	546.60	1397.00	60.860	39.14	133.4	0.0915
Kingbird	636	18/1	4.78	4.78	4.78	23.88	887.300	139.30	1027.00	86.430	13.57	69.79	0.0886
Swift	636	36/1	3.38	3.38	3.38	23.62	886.900	69.63	956.00	92.720	7.28	60.85	0.0889
Rook	636	24/7	4.14	2.76	8.27	24.82	891.300	326.16	1217.00	73.210	26.79	97.79	0.0879
Grosbeak	636	26/7	3.97	3.09	9.27	25.17	891.200	409.60	1301.00	68.510	31.49	112	0.0876
Scoter	636	30/7	3.70	3.70	11.09	25.88	893.610	587.10	1481.00	60.350	39.65	135.1	0.0840
Egret	636	30/19	3.70	2.22	11.09	25.88	893.860	575.10	1469.00	60.850	39.15	140	0.0873
Flamingo	666.6	24/7	4.23	2.82	8.47	25.40	934.570	342.00	1277.00	73.210	26.79	105.3	0.0840
Gannet	666.6	26/7	4.07	3.16	9.49	25.76	934.000	429.30	1363.00	68.510	31.49	117.3	0.0837
Stilt	715.5	24/7	4.39	2.92	8.77	26.31	1003.200	366.90	1370.00	73.220	26.78	113.3	0.0784
Starling	715.5	26/7	4.21	3.28	9.83	26.70	1002.800	460.90	1464.00	68.510	31.49	126.2	0.0781
Redwing	715.5	30/19	3.92	2.35	11.77	27.46	1004.400	646.20	1651.00	60.850	39.15	153.8	0.0774
Coot	795	36/1	3.77	3.77	3.77	26.42	1108.700	87.05	1196.00	92.720	7.28	74.28	0.0712
Drake	795	26/7	4.44	3.45	10.36	28.12	1114.600	512.30	1627.00	68.510	31.49	140	0.0702
Tern	795	45/7	3.38	2.25	6.75	27.00	1113.900	217.40	1331.00	83.670	16.33	98.23	0.0709
Condor	795	54/7	3.08	3.08	9.25	27.74	1114.000	407.60	1522.00	73.210	26.79	125.3	0.0705
Mallard	795	30/19	4.14	2.48	12.41	28.96	1117.400	718.60	1836.00	60.860	39.14	170.7	0.0699
Ruddy	900	45/7	3.59	2.40	7.18	28.73	1261.200	246.20	1507.00	83.670	16.33	108.5	0.0627
Canary	900	54/7	3.28	3.28	9.84	29.51	1261.600	461.40	1723.00	73.220	26.78	141.8	0.0623

**ACSR钢芯铝绞线
Aluminum Conductor ,Steel Reinforced. ASTM B232**

Code Word 规格号	Size, 大小kcmil	Stranding根 数 AL/Steel 铝/钢	Diameter, 直径mm			Weight 重量kg/km			Content含量%		Rated Strength额 定抗拉力 (KN)	20℃直流电阻 Ω/km DC Resistance OHMS/km at 20℃
			individual wires单根	Steel core钢芯	Cable 电缆	AL 铝	Steel钢	Total 总计	AL 铝	Steel 钢		
			AL 铝	Steel 钢								
Grouse	80	8/1	2.54	4.23	9.32	111.8	109.7	221.50	50.48	49.52	23.11	0.6791
Curlwe	1033.5	54/7	3.51	10.54	31.62	1447.6	529.7	1977.00	73.21	26.79	162.7	0.0541
Bluejay	1113	45/7	4.00	2.66	31.95	1560.7	304.6	1865.00	83.67	16.33	132.5	0.0509
Finch	1113	54/19	3.65	2.19	32.82	1568.8	559.2	2128.00	73.72	26.28	173.8	0.0505
Bunting	1192.5	45/7	4.14	2.76	33.07	1671.4	326.2	1998.00	83.67	16.33	142.2	0.0472
Grackle	1192.5	54/19	3.77	2.27	33.96	1679.9	598.9	2279.00	73.72	26.28	186.2	0.0472
Bittern	1272	45/7	4.27	2.85	34.16	1782.4	347.9	2130.00	83.67	16.33	151.6	0.0443
Pheasant	1272	54/19	3.90	2.34	35.08	1791.9	639.10	2431.00	73.71	26.29	153.8	0.0443
Dipper	1351.5	45/7	4.40	2.93	35.20	1893.9	369.64	2264.00	83.67	16.33	160.9	0.0417
Martin	1351.5	54/19	4.02	2.41	36.17	1903.2	678.50	2582.00	73.72	26.28	205.8	0.0417
Bobolink	1431	45/7	4.53	3.02	36.25	2005.2	391.40	2397.00	83.67	16.33	170.2	0.0394
Lapwing	1590	45/7	4.78	3.18	38.20	2228.9	435.00	2664.00	83.67	16.33	187.6	0.0354
Falcon	1590	54/19	4.36	2.62	39.22	2240.1	798.60	3039.00	73.72	26.28	242.3	0.0354
Chukar	1780	84/19	3.70	2.22	40.69	2508.3	575.00	3083.00	81.35	18.65	226.7	0.0318
Bluebird	2156	84/19	4.07	2.44	44.75	3035.4	696.40	3732.00	81.34	18.66	268	0.0263
Kiwi	2167	72/7	4.41	2.94	44.07	3052.8	370.40	3423.00	89.18	10.82	221.4	0.0263

**ACSR 钢芯铝绞线
High Strength ASTM B232 SI Unit**

Code Word 规格号	Size, 大小kcmil	Stranding根 数 (AL/St.) 铝/钢	Diameter, 直径mm			Weight 重量kg/km			Content含量%		Rated Strength额 定抗拉力 (KN)	20℃直流电阻 Ω/ km DC Resistance OHMS/km at 20℃
			Individual wires	Steel core钢芯	Cable 电缆	AL 铝	Steel钢	Total 总计	AL 铝	Steel 钢		
			AL 铝	Steel 钢								
Grouse	80	8/1	2.54	4.23	9.32	111.8	109.70	221.50	50.48	49.52	23.11	0.6791
Petrel	101.8	12/7	2.34	2.34	11.71	142.7	234.90	377.60	37.79	62.21	46.23	0.5184
Minorca	110.8	12/7	2.44	2.44	12.22	155.2	255.90	411.10	37.75	62.25	50.23	0.4757
Leghorn	134.6	12/7	2.69	2.69	13.46	188.6	210.60	499.20	37.79	62.21	60.45	0.3937
Guinea	159	12/7	2.92	2.92	14.63	222.8	366.90	589.70	37.79	62.21	71.12	0.3314
Dotterel	176.9	12/7	3.08	3.08	15.42	247.9	408.10	656.10	37.79	62.21	76.9	0.2989
Dorking	190.8	12/7	3.20	3.20	16.00	267.5	440.40	707.80	37.79	62.21	83.12	0.2772
Cochin	211.3	12/7	3.37	3.37	16.84	296.3	487.60	783.90	37.80	62.20	126.2	0.2503

**ACSR 钢芯铝绞线
Aluminum Conductor ,Steel Reinforced (BS 215 Part 2: 1970)**

Code 规格号	Nominal Section Area 标称截 面积mm ²	Stranding nos/Diameter 根数/直径		Structure结 构		Area面积			Dia.of 直径		Weight重量			20°C直流电阻 DC resistance at 20°C(Ohm/ km)	Rated Strength 额定抗拉力 KN
		Al 铝	mm	Steel 钢	mm	Al 铝	mm ²	Steel 钢	mm ²	Conductor 导体	mm	Al 铝	kg/km		
Mole	10	6/1.5	1/1.5	Steel	mm	10.60	1.77	12.30	4.5	29	14	43	2.707	4.27	
Squirrel	20	6/2.11	1/2.11	Steel	mm	20.98	3.50	24.40	6.33	58	27	85	1.368	8.18	
Gopher	25	6/2.36	1/2.36	Steel	mm	26.25	4.34	30.60	7.08	72	34	106	1.093	10.05	
Weasel	30	6/2.59	1/2.59	Steel	mm	31.61	5.27	36.80	7.77	87	41	128	0.9077	11.88	
Fox	35	6/2.79	1/2.79	Steel	mm	36.88	6.11	42.70	8.37	101	48	149	0.7823	13.79	
Ferret	40	6/3.00	1/3.00	Steel	mm	42.41	7.07	49.40	9	116	55	171	0.6766	15.79	
Rabbit	50	6/3.35	1/3.35	Steel	mm	52.88	8.81	61.60	10.05	145	69	214	0.5426	19.26	
Mink	60	6/3.66	1/3.66	Steel	mm	63.13	10.52	73.60	10.98	173	82	255	0.4545	22.11	
Skunk	60	12/2.5	7/2.59	Steel	mm	63.22	36.88	100.00	12.95	175	289	464	0.4568	56.49	
Beaver	70	6/3.99	1/3.99	Steel	mm	75.02	12.50	87.50	11.97	205	98	303	0.3825	25.93	
Horse	70	12/2.7	7/2.79	Steel	mm	73.26	42.80	116.00	13.95	203	335	538	0.3936	64.94	
Racoon	75	6/4.1	1/4.1	Steel	mm	79.22	13.20	92.40	12.3	217	103	320	0.3622	27.44	
Otter	75	6/4.22	1/4.22	Steel	mm	83.92	13.99	97.90	12.66	230	109	339	0.3419	29.05	
Cattail	80	6/6/4.5	1/4.5	Steel	mm	95.43	15.90	111.00	16.5	262	124	386	0.3077	33.05	
Hare	90	6/4.72	1/4.72	Steel	mm	105.00	17.50	122.00	14.16	288	137	425	0.2733	36.34	
Dog	100	6/4.72	7/1.57	Steel	mm	105.00	13.55	118.00	14.15	288	106	394	0.2733	33.76	
Hyena	100	7/4.39	7/1.93	Steel	mm	106.00	20.48	126.00	14.57	293	160	453	0.2728	42.48	
Cougar	100	8/3.05	1/3.05	Steel	mm	131.50	7.31	138.00	15.25	362	57	419	0.219	30.16	
Leopard	125	6/5.28	7/1.75	Steel	mm	131.40	16.84	148.00	15.81	361	132	493	0.2184	42.26	
Tiger	125	30/2.3	7/2.36	Steel	mm	131.20	30.62	161.00	16.52	363	240	603	0.2203	60.05	
Dingo	125	18/3.3	1/3.35	Steel	mm	158.70	8.81	167.00	16.75	437	69	506	0.1814	35.94	
Wolf	150	30/2.5	7/2.59	Steel	mm	158.10	36.88	195.00	18.13	437	289	726	0.1828	71.61	
Caracal	150	18/3.6	1/3.61	Steel	mm	184.20	10.24	194.00	18.05	507	80	587	0.1563	35.94	
Lynx	175	30/2.79	7/2.79	Steel	mm	183.40	42.80	226.00	19.53	507	335	842	0.1576	82.73	
Jaguar	200	18/3.8	1/3.86	Steel	mm	210.60	11.70	222.00	19.3	580	91	671	0.1367	40.52	
Panther	200	10.00	7/3	Steel	mm	212.10	49.48	261.00	21	586	388	974	0.1362	95.19	
Lion	225	30/3.1	7/3.18	Steel	mm	238.30	55.60	293.00	22.26	659	436	1095	0.1213	104.5	
Bear	250	30/3.3	7/3.55	Steel	mm	264.40	61.70	326.00	23.45	731	483	1214	0.1093	115.6	
Goat	300	30/3.7	7/3.71	Steel	mm	324.30	75.67	400.00	25.97	896	593	1489	0.08911	136.1	
Sheep	350	30/3.9	7/3.99	Steel	mm	375.10	87.53	426.00	27.93	1037	686	1723	0.07704	155.7	
Antelope	350	54/2.9	7/2.97	Steel	mm	374.10	48.50	422.00	26.73	1034	380	1414	0.07727	118.8	
Bison	350	18.00	7/3	Steel	mm	381.70	49.48	431.00	27	1055	388	1443	0.07573	121.4	
Deer	400	30/4.2	7/4.27	Steel	mm	429.60	100.20	529.00	29.89	1187	785	1972	0.06727	178.8	
Zebra	400	54/3.10	7/3.18	Steel	mm	428.90	55.60	484.00	28.62	1186	436	1622	0.0674	133.4	
Elk	450	30/4.5	7/4.5	Steel	mm	477.10	113.30	588.00	31.5	1318	872	2190	0.06067	198.4	
Camellia	450	54/3.3	7/3.35	Steel	mm	476.00	61.70	537.00	30.15	1316	483	1799	0.06073	148.1	
Moose	500	54/3.5	7/3.53	Steel	mm	528.50	68.51	597.00	31.77	1461	537	1998	0.0547	164.6	