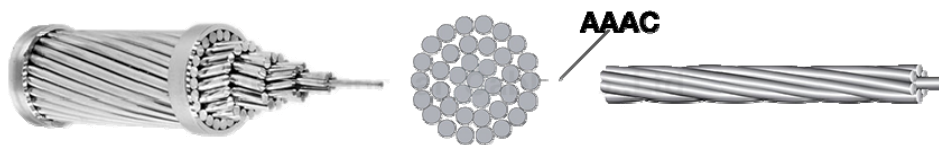


AAAC-All Aluminum Alloy Conductor



APPLICATION

AAAC conductor is also known as aluminium alloy stranded conductor, This product is suitable for electric transmission line overhead.

CABLE STANDARDS

Enterprise Standards,IEC,BS,Australia Standard,ASTM and etc. upon request.



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the JiangNan Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved

All Aluminium Alloy Conductor-AAAC(ASTM B399 Standard Sizes)

Code Name	Corss Sectional Area (MCM/AWG)	Corss Sectional Area (mm ²)	Number of Wire	Diameter of Wires	Rated Strength (KN)	Appro.Weight		Max.D.C.resistance Of Conductor At 20°C (Ω/km)
				In./mm		(lb/1000ft)	(Kg/km)	
Akron	30.58/6	15.5	7	0.0661/1.68	4.92	28.52	42.58	2.159
Alton	48.59/4	24.7	7	0.0834/2.12	7.83	45.40	67.80	1.356
Ames	77.47/2	39.2	7	0.1052/2.67	12.4	72.24	107.5	0.8547
Azusa	123.3/0	62.4	7	0.1327/3.37	18.9	114.9	171.3	0.5365
Anaheim	155.4/00	78.6	7	0.1490/3.78	23.8	144.9	215.6	0.4264
Amherst	195.7/000	99.3	7	0.1672/4.25	30.0	182.5	272.5	0.3373
Alliance	246.9/0000	125	7	0.1878/4.77	37.8	230.2	343.2	0.2678
Butte	312.8	159	19	0.1283/3.26	46.5	291.6	435.1	0.2112
Canton	394.5	200	19	0.1441/3.66	58.6	367.9	548.5	0.1676
Cairo	465.4	236	19	0.1565/3.98	69.2	433.9	648.6	0.1417
Darien	559.4	284	19	0.1716/4.36	83.1	521.7	778.3	0.1181
Elgin	652.4	331	19	0.1853/4.71	97.0	608.3	908.3	0.1012
Flint	740.8	375	37	0.1415/3.59	107	690.8	1028	0.08944
Greeley	927.2	470	37	0.1583/4.02	135	864.6	1289	0.07133

All Aluminium Alloy Conductor-AAAC(ASTM B399 Standard Sizes)

Conductor Size (cmil)	Corss Sectional Area (mm ²)	Number of Wire	Diameter of Wires	Rated Strength (KN)	Appro.Weight		Max.D.C.resistance Of Conductor At 20°C (Ω/km)
			In./mm		(lb/1000ft)	(Kg/km)	
66360	33.5	7	0.0974/2.47	10.6	1632	2431	0.99870
105600	53.5	7	0.1228/3.12	17.0	1399	2082	0.62592
133100	67.3	7	0.1379/3.50	20.4	1165	1732	0.49738
167800	84.9	7	0.1548/3.93	25.7	932.5	1393	0.39450
211600	107	7	0.1739/4.42	32.5	839.7	1250	0.31188
400000	203	19	0.1451/3.69	59.5	745.6	1109	0.16486
450000	228	19	0.1539/3.91	66.8	699.6	1045	0.14683
500000	253	19	0.1622/4.12	74.2	652.3	971.2	0.13224
550000	279	37	0.1219/3.10	83.9	605.7	905.5	0.11995
600000	303	37	0.1273/3.23	91.0	559.1	831.9	0.11049
650000	330	37	0.1325/3.37	94.9	605.7	905.5	0.10150
700000	354	37	0.1375/3.49	101	652.3	971.2	0.09464
750000	381	37	0.1424/3.62	109	699.6	1045	0.08796
800000	404	37	0.1470/3.73	116	745.6	1109	0.08285
900000	456	37	0.1560/3.96	131	839.7	1250	0.07351
1000000	508	37	0.1644/4.18	146	932.5	1393	0.06597
1250000	631	61	0.1431/3.63	179	1165	1732	0.05306
1500000	759	61	0.1568/3.98	215	1399	2082	0.04414
1750000	886	61	0.1694/4.30	251	1632	2431	0.03781



All Aluminium Alloy Conductor-AAAC(ASTM B399 Standard Sizes)

Conductor Size (mm ²)	Number of Wire	Diameter of Wires(mm)	Rated Strength (KN)	Appro.Weight (Kg/km)	Max.D.C.resistance Of Conductor At 20°C (Ω/km)
40	7	2.70	12.7	110.0	0.83580
50	7	3.02	15.9	137.6	0.66806
63	7	3.39	19.1	173.4	0.53019
80	7	3.81	24.1	219.0	0.41974
100	7	4.26	30.2	273.8	0.33574
112	7	4.51	33.8	306.8	0.29955
125	19	2.89	38.3	342.0	0.26788
140	19	3.06	42.9	383.4	0.23973
160	19	3.27	46.7	437.8	0.20993
180	19	3.47	52.6	493.0	0.18643
200	19	3.66	58.6	548.5	0.167758
224	19	3.87	65.5	613.2	0.14988
250	19	4.09	73.1	684.9	0.13419
280	37	3.10	83.9	766.2	0.11995
315	37	3.29	90.2	863.0	0.10650
355	37	3.50	102	976.7	0.09410
400	37	3.71	115	1097	0.08375
450	37	3.94	129	1238	0.07426
500	37	4.15	143	1373	0.06693
560	37	4.39	161	1537	0.05981
630	37	4.66	181	1731	0.05308

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