

Little Rock **Virginia Beach**
800-945-5542 **757-361-0207**

Baton Rouge **Las Vegas**
888-754-5707 **702-696-0001**

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888-388-6280 **859-727-6100**



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AAC ALL ALUMINUM CONDUCTOR

Application: Stranded 1350 aluminum conductors: Class AA For bare conductors used in overhead lines. Class A For conductors to be covered with weather-resistant materials and for bare conductors where greater flexibility is required. Classes an indication of relative conductor flexibility, AA being the least flexible, AAC the most flexible.

Specifications: AAC bare conductors meet or exceed the following ASTM specifications:

B-230 Aluminum Wire, 1350-H19 for Electrical Purposes

B-231 Aluminum Conductors, Concentric-Lay-Stranded Alum 1350 conductors

CODE WORD	AWG	STRANDING		DIAMETER		CROSS SECTIONAL AREA (SQ. IN)	WEIGHT PER 1000 (LBS) FT	RATED BREAKING STRENGTH (LBS)	RESISTANCE OHMS/1000FT		RATING (AMPS)
		# OF WIRES	CLASS	INDIV WIRE	COMP. CABLE				DC @ 20°C	AC @ 75°C	
Peachbell	6	7/w	A	.0612	.184	.0206	24.6	563	.658	.805	103
Rose	4	7/w	A	.0772	.232	.0328	39.2	881	.414	.506	138
Iris	2	7/w	AA,A	.0974	.292	.0521	62.3	1,350	.260	.318	185
Pansey	1	7/w	AA,A	.1093	.328	.0657	78.5	1,640	.207	.252	214
Poppy	1/0	7/w	AA,A	.1228	.368	.0829	99.1	1,990	.164	.202	247
Aster	2/0	7/w	AA,A	.1379	.414	.1045	124.9	2,510	.130	.159	286
Phlox	3/0	7/w	AA,A	.1548	.464	.1318	157.5	3,040	.103	.126	331
Oxlip	4/0	7/w	AA,A	.1739	.522	.1662	198.6	3,830	.0817	.0999	383
Sneezewart	250	7/w	AA	.1890	.567	.1964	234.7	4,520	.0691	.0846	425
Valerian	250	19/w	A	.1147	.574	.1964	234.7	4,520	.0591	.0846	425
Daisy	266.8	7/w	AA	.1953	.586	.2095	250.5	4,830	.0648	.0793	443
Laurel	266.8	19/w	A	.1185	.593	.2095	250.5	4,970	.0648	.0793	444
Peony	300	19/w	A	.1257	.629	.2356	286.1	5,480	.0576	.0706	478
Tulip	336.4	19/w	A	.1331	.666	.2642	315.8	6,150	.0514	.0630	513
Daffodil	350	19/w	A	.1357	.679	.2749	328.6	6,390	.0494	.0605	526
Canna	397.5	19/w	AA,A	.1447	.724	.3122	373.2	7,110	.0435	.0534	570
Goldentuft	450	19/w	AA	.1538	.769	.3531	422.4	7,890	.0384	.0472	616
Cosmos	477	19/w	AA	.1584	.793	.3746	447.8	8,360	.0362	.0445	639
Syringa	477	37/w	A	.1135	.795	.3746	447.8	8,690	.0362	.0445	639
Zinnia	500	19/w	AA	.1622	.811	.3927	469.4	8,760	.0346	.0425	658
Hyacinth	500	37/w	A	.1162	.813	.3927	469.4	9,110	.0346	.0425	658
Dahlia	556.5	19/w	AA	.1711	.856	.4371	522.4	9,750	.0311	.0382	703
Mistletoe	556.5	37/w	AA,A	.1226	.858	.4371	522.4	9,940	.0311	.0382	704
Meadowsweet	600	37/w	AA,A	.1273	.891	.4712	563.2	10,700	.0288	.0355	738
Orchid	636	37/w	AA,A	.1311	.918	.4995	597.0	11,400	.0272	.0335	765
Heuchera	650	37/w	AA	.1326	.928	.5105	610.2	11,600	.0266	.0328	775
Verbena	700	37/w	AA	.1375	.963	.5498	657.1	12,500	.0247	.0305	812
Flag	700	61/w	A	.1071	.964	.5498	657.1	12,900	.0247	.0305	812
Violet	715.5	37/w	AA	.1391	.974	.5620	671.7	12,800	.0242	.0299	823
Nasturtium	715.5	61/w	A	.1083	.975	.5620	671.7	13,100	.0242	.0299	823
Petunia	750	37/w	AA	.1424	.997	.5891	704.5	13,100	.0230	.0286	847

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AAC ALL ALUMINUM CONDUCTOR CONTINUED

CODE WORD	AWG	STRANDING		DIAMETER		CROSS SECTIONAL AREA (SQ. IN)	WEIGHT PER 1000 Ft (LBS)	RATED BREAKING STRENGTH (LBS)	RESISTANCE OHMS/1000FT		RATING (AMPS)
		# OF WIRES	CLASS	INDIV WIRE	COMP. CABLE				DC @ 20°C	AC @ 75°C	
Cattail	750	61/w	A	.1109	.998	.5891	704.0	13,500	.0230	.0286	847
Arbutus	795	37/w	AA	.1446	1.026	.6244	746.3	13,900	.0217	.0271	878
Lilac	795	61/w	A	.1142	1.028	.6244	746.3	14,300	.0217	.0270	879
Cockscomb	900	37/w	AA	.1560	1.092	.7069	844.9	15,400	.0192	.0239	948
Snapdragon	900	61/w	A	.1215	1.094	.7069	844.9	15,900	.0192	.0239	948
Magnolia	954	37/w	AA	.1606	1.124	.7493	895.6	16,400	.0181	.0226	982
Goldenrod	954	61/w	A	.1251	1.126	.7493	895.6	16,900	.0181	.0226	983
Hawkweed	1000	37/w	AA	.1644	1.150	.7854	938.7	17,200	.0173	.0216	1010
Camellia	1000	61/w	A	.1280	1.152	.7854	938.7	17,700	.0173	.0216	1011
Bluebell	1033.5	37/w	AA	.1671	1.170	.8177	970.2	17,700	.0167	.0210	1031
Larkspur	1033.5	61/w	A	.1302	1.172	.8177	970.2	18,300	.0167	.0210	1032
Marigold	1113	61/w	AA, A	.1351	1.216	.8742	1045	19,700	.0155	.0195	1079
Hawthorn	1192.5	61/w	AA, A	.1398	1.258	.9366	1119	21,100	.0145	.0183	1124
Narcissus	1272	61/w	AA, A	.1444	1.300	.9990	1194	22,000	.0136	.0173	1169
Columbine	1351.5	61/w	AA, A	.1489	1.340	1.061	1269	23,400	.0128	.0163	1212
Carnation	1431	61/w	AA, A	.1532	1.379	1.124	1343	24,300	.0121	.0155	1253
Gladiolus	1510.5	61/w	AA, A	.1574	1.417	1.186	1418	25,600	.0144	.0147	1294
Coreopsis	1590	61/w	AA	.1614	1.454	1.249	1493	27,000	.0109	.0141	1333
Jessamine	1750	61/w	AA	.1694	1.525	1.374	1643	29,700	.00988	.0129	1408
Cowslip	2000	91/w	A	.1482	1.630	1.571	1877	34,200	.00864	.0115	1518
Sagebrush	2250	91/w	A	.1572	1.729	1.767	2131	37,500	.00776	.0105	1612
Lupine	2500	91/w	A	.1657	1.823	1.964	2370	41,900	.00698	.00969	1706
Bitterroot	2750	91/w	A	.1739	1.913	2.160	2607	46,100	.00635	.00900	1793
Trillium	3000	127/w	A	.1537	1.996	2.356	2844	50,300	.00582	.00834	1874
Bluebonnet	3500	127/w	A	.1660	2.158	2.749	3350	58,700	.00499	.00756	2024

1. Resistance is calculated using ASTM standard increments of stranding and metal conductivity of 52.5 % IACS, AC resistance at 60 Hz
2. Current ratings are based on 75°C conductor temperature, 25°C ambient, 2ft/s wind, 961 watts/sq. foot sun, .05 coefficients of emissivity and absorption.

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