

AAC - All Aluminum Conductor

Product Description

Bare EC grade hard-drawn aluminum stranded conductor. Available in sizes 6 AWG through 2750 MCM.

Application

Overhead electrical distribution and transmission for distributing power.

Product Data

Code Word	Size (AWG or kcmil)	Stranding	Individual Wire Diameter (inches)	Complete Cable Diameter (inches)	Weight Per 1000ft. (lbs.)	Rated Strength (lbs.)	Resistance OHMS/1000 ft. DC@ 20°	Resistance OHMS/1000 ft. AC @ 75°C	Allowable Ampacity+ (Amps)
Peachbell	6	7	.0612	.184	25	563	.658	.805	103
Rose	4	7	.0772	.232	39.2	881	.414	.506	138
Iris	2	7	.0974	.292	62.3	1350	.260	.318	185
Pansy	1	7	.1093	.328	78.5	1640	.207	.252	214
Poppy	1/0	7	.1228	.368	99.1	1990	.164	.200	247
Geranium	1/0	19	.0745	.371	99	--	--	--	--
Aster	2/0	7	.1309	.416	124.9	2510	.130	.159	286
Buttercup	2/0	19	.0837	.416	125	--	--	--	--
Phlox	3/0	7	.1548	.464	157.5	3040	.103	.126	331
Primrose	3/0	19	.0940	.467	158	--	--	--	--
Oxlip	4/0	7	.1739	.522	198.7	3830	.0817	.0999	383
Sunflower	4/0	19	.1055	.525	198	--	--	--	--
Sneezewort	250.0	7	.1890	.567	234	4520	.0691	.0846	425
Valerian	250.0	19	.1147	.574	234.6	4660	.0691	.0846	426
Daisy	266.8	7	.1953	.586	250.6	4830	.0648	.0793	443
Laurel	266.8	19	.1185	.593	250.4	4970	.0648	.0793	444
Peony	300.0	19	.1257	.628	281	5480	.0576	.0706	478

Tulip	336.4	19	.1331	.666	316	6150	.0514	.0630	513
Daffodil	350.0	19	.1357	.679	328.4	6390	.0494	.0605	526
Gardenia	350.0	37	.0973	.681	329	--	--	--	--
Canna	397.5	19	.1447	.724	373.4	7110	.0435	.0534	570
Goldentuft	450.0	19	.1539	.769	447	7890	.0384	.0472	616
Cosmos	477.0	19	.1584	.792	447.5	8360	.0362	.0445	639
Syringa	477.0	37	.1135	.795	447.4	8690	.0362	.0445	639
Zinnia	500.0	19	.1622	.811	469.2	8760	.0346	.0425	658
Hyacinth	500.0	37	.1162	.813	469	9110	.0346	.0425	658
Dahlia	556.5	19	.1711	.856	522.1	9750	.0311	.0382	703
Mistletoe	556.5	37	.1226	.858	522	9940	.0311	.0382	704
Lotus	600.0	61	.0992	.893	564	--	--	--	--
Meadowsweet	600.0	37	.1273	.891	562	10700	.0228	.0355	738
Orchid	636.0	37	.1311	.918	596.4	11400	.0272	.0335	765
Heuchera	650.0	37	.1325	.928	609	11600	.0266	.0328	775
Verbena	700.0	37	.1375	.963	656	12500	.0247	.0305	812
Flag	700.0	61	.1071	.964	656.8	12900	.0247	.0305	812
Violet	715.5	37	.1391	.974	672	12800	.0242	.0299	823
Nasturtium	715.5	61	.1083	.975	671	13100	.0242	.0299	823
Petunia	750.0	37	.1424	.997	703	13100	.0230	.0286	847
Cattail	750.0	61	.1109	.998	704.3	13500	.0230	.0286	847
Arbutus	795.0	37	.1466	1.026	746.4	13900	.0217	.0270	878
Lilac	795.0	61	.1142	1.028	746.7	14300	.0217	.0270	879
Cockscomb	900.0	37	.156	1.092	844	15400	.0192	.0239	948
Snapdragon	900.0	61	.1215	1.093	844	15900	.0192	.0239	948
Magnolia	954.0	37	.1606	1.124	895.8	16400	.0181	.0226	982
Goldenrod	954.0	61	.1251	1.126	896.1	16900	.0181	.0226	983
Hawkweed	1000.0	37	.1644	1.151	937	17200	.0173	.0216	1010
Camellia	1000.0	61	.1280	1.152	938.2	17700	.0713	.0216	1011
Bluebell	1033.5	37	.1672	1.170	970	17700	.0167	.0210	1031
Larkspur	1033.5	61	.1302	1.172	970.6	18300	.0167	.0210	1032
Marigold	1113.0	61	.1351	1.216	1043	19700	.0155	.0195	1079
Hawthorn	1192.5	61	.1398	1.258	1118	21100	.0145	.0183	1124
Narcissus	1272.0	61	.1444	1.300	1192	22000	.0136	.0173	1169
Columbine	1351.5	61	.1488	1.340	1267	23400	.0128	.0163	1212
Carnation	1431.0	61	.1532	1.378	1341	24300	.0121	.0155	1253
Gladiolus	1510.5	61	.1574	1.416	1416	25600	.0144	.0147	1294
Coreopsis	1590.0	61	.1614	1.453	1490	27000	.0109	.0141	1333

Jessamine	1750.0	61	.1694	1.524	1640	29700	.00988	.0129	1408
Cowslip	2000.0	91	.1482	1.631	1875	34200	.00864	.0115	1518
Sagebrush	2250.0	91	.1572	1.730	2130	37500	.00776	.0105	1612
Lupine	2500.0	91	.1657	1.823	2366	41900	.00698	.00969	1706
Bitterroot	2750.0	91	.1738	1.912	2603	46100	.00635	.00900	1793

+Conductor temperature of 75 C, ambient temperature 25 C, emissivity 0.5, wind 2 ft./sec. in sun.

*Manufactured with pride in DeKalb, IL USA.

Specification Data

ASTM B-230	Aluminum 1350-H19 wire for electrical purposes
ASTM B-231	Concentric-lay-stranded aluminum 1350 conductors

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