

Conductor Information for AAC Conductors

CODE NAME	SIZE	STRANDING	DIAMETER (INCHES)	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY¹	SAG10® CHART NUMBER
	KCMIL	AL	COMPLETE CABLE	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
Peachbell	6	7	0.184	25	563	0.658	0.805	103	1-918
Rose	4	7	0.232	39	881	0.414	0.506	138	1-918
Iris	2	7	0.292	62	1,350	0.260	0.318	185	1-918
Pansy	1	7	0.328	78	1,640	0.207	0.252	214	1-918
Poppy	1/0	7	0.368	99	1,990	0.164	0.200	247	1-918
Aster	2/0	7	0.414	125	2,510	0.130	0.159	286	1-918
Phlox	3/0	7	0.464	157	3,040	0.103	0.126	331	1-918
Oxlip	4/0	7	0.522	198	3,830	0.082	0.100	383	1-918
Sneezewort	250.0	7	0.567	234	4,520	0.069	0.085	425	1-918
Valerian	250.0	19	0.574	234	4,660	0.069	0.085	426	1-945
Daisy	266.8	7	0.586	250	4,830	0.065	0.079	443	1-918
Laurel	266.8	19	0.592	250	4,970	0.065	0.079	444	1-945
Peony	300.0	19	0.628	281	5,480	0.058	0.071	478	1-945
Tulip	336.4	19	0.665	315	6,150	0.051	0.063	513	1-945
Daffodil	350.0	19	0.679	328	6,390	0.049	0.061	526	1-945
Canna	397.5	19	0.723	373	7,110	0.044	0.053	570	1-945
Goldentuft	450.0	19	0.769	422	7,890	0.038	0.043	616	1-945
Cosmos	477.0	19	0.792	447	8,360	0.036	0.045	639	1-945
Syringa	477.0	37	0.795	447	8,690	0.036	0.045	639	1-1049
Zinnia	500.0	19	0.811	469	8,760	0.035	0.043	658	1-945
Hyacinth	500.0	37	0.814	469	9,110	0.035	0.043	658	1-1049
Dahlia	556.5	19	0.856	522	9,750	0.031	0.038	703	1-945
Mistletoe	556.5	37	0.858	522	9,940	0.031	0.038	704	1-1049
Meadowsweet	600.0	37	0.891	562	10,700	0.023	0.036	738	1-1049
Orchid	636.0	37	0.918	596	11,400	0.027	0.036	765	1-1049
Heuchera	650.0	37	0.928	609	11,600	0.027	0.033	775	1-1049
Verbena	700.0	37	0.963	656	12,500	0.025	0.031	812	1-1049
Flag	700.0	61	0.964	656	12,900	0.025	0.031	812	1-1010
Violet	715.5	37	0.973	671	12,800	0.024	0.030	823	1-1049
Nasturtium	715.5	61	0.975	671	13,100	0.024	0.030	823	1-1010
Petunia	750.0	37	0.997	703	13,100	0.023	0.029	847	1-1049
Cattail	750.0	61	0.998	703	13,500	0.023	0.029	847	1-1010
Arbutus	795.0	37	1.026	745	13,900	0.022	0.027	878	1-1049
Lilac	795.0	61	1.027	745	14,300	0.022	0.027	879	1-1010

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	KCMIL	AL	COMPLETE CABLE	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
Cockscomb	900.0	37	1.092	844	15,400	0.019	0.024	948	1-1049
Snapdragon	900.0	61	1.093	844	15,900	0.019	0.024	948	1-1010
Magnolia	954.0	37	1.124	894	16,400	0.018	0.023	982	1-1049
Goldenrod	954.0	61	1.125	894	16,900	0.018	0.023	983	1-1010
Hawkweed	1000.0	37	1.151	937	17,200	0.017	0.022	1,010	1-1049
Camellia	1000.0	61	1.152	937	17,700	0.071	0.022	1,011	1-1010
Bluebell	1033.5	37	1.170	969	17,700	0.017	0.021	1,031	1-1049
Larkspur	1033.5	61	1.171	969	18,300	0.017	0.021	1,032	1-1010
Marigold	1113.0	61	1.216	1,043	19,700	0.016	0.020	1,079	1-1010
Hawthorn	1192.5	61	1.258	1,118	21,100	0.015	0.018	1,124	1-1010
Narcissus	1272.0	61	1.300	1,192	22,000	0.014	0.017	1,169	1-1010
Columbine	1351.5	61	1.340	1,267	23,400	0.013	0.016	1,212	1-1010
Carnation	1431.0	61	1.378	1,341	24,300	0.012	0.016	1,253	1-1010
Gladiolus	1510.5	61	1.416	1,416	25,600	0.014	0.015	1,294	1-1010
Coreopsis	1590.0	61	1.453	1,490	27,000	0.011	0.014	1,333	1-1010
Jessamine	1750.0	61	1.524	1,640	29,700	0.010	0.013	1,408	1-1010
Cowslip	2000.0	91	1.631	1,875	34,200	0.009	0.012	1,518	1-1157
Sagebrush	2250.0	91	1.730	2,130	37,500	0.008	0.011	1,612	1-1157
Lupine	2500.0	91	1.823	2,366	41,900	0.007	0.010	1,706	1-1157
Bitterroot	2750.0	91	1.912	2,603	46,100	0.006	0.009	1,793	1-1157
Trillium	3000.0	127	1.998	2,839	50,300	0.006	0.008	1,874	1-1032
Bluebonnet	3500.0	127	2.158	3,345	58,700	0.005	0.008	2,024	1-1032

Note:
Conductor temperature at 75°, ambient temperature 25° C, emissivity 0.5, wind 2 ft/sec, in sun.

REFERENCE MATERIAL