Conductor Information for AAAC Conductors

CODE NAME	SIZE	STRANDING	DIAMETER	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY[1]	SAG10® CHART NUMBER
	KCMIL	AL	IN	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
Akron	30.58	7	0.198	29	1,110	0.659	0.785	107	1-1068
Alton	48.69	7	0.250	45	1,760	0.414	0.493	143	1-1068
Ames	77.47	7	0.316	72.	2,800	0.260	0.310	191	1-1068
Azusa	123.3	7	0.398	115	4,460	0.163	0.195	256	1-1068
Anaheim	155.4	7	0.447	145	5,390	0.130	0.154	296	1-1068
Amherst	195.7	7	0.502	183	6,790	0.103	0.123	342	1-1068
Alliance	246.9	7	0.563	230	8,560	0.082	0.097	395	1-1068
Butte	312.8	19	0.642	292	11,000	0.064	0.077	460	1-1056
Canton	394.5	19	0.720	368	13,300	0.051	0.061	532	1-1056
Cairo	465.4	19	0.783	434	15,600	0.043	0.052	590	1-1056
Darien	559.5	19	0.858	522	18,800	0.036	0.043	663	1-1056
Elgin	652.4	19	0.927	608	21,900	0.031	0.037	729	1-1056
Flint	740.8	37	0.990	691	24,400	0.027	0.033	790	1-1155
Greeley	927.2	37	1.108	865	30,500	0.022	0.026	908	1-1155

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

Conductor Information for ACAR Conductors

SIZE	STRANDING	DIAMETER	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY[1]	SAG10® CHART NUMBER
KCMIL	AAC/AAAC	IN	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
355.0	12/7	0.683	332	8,500	0.051	0.062	519	1-1196
465.9	12/7	0.783	436	11,000	0.039	0.048	616	1-1196
503.6	12/7	0.814	471	11,900	0.036	0.044	646	1-1196
653.1	12/7	0.927	611	15,400	0.028	0.034	760	1-1196
739.8	30/7	0.990	693	15,300	0.024	0.030	831	1-1203
739.8	18/19	0.990	692	18,800	0.025	0.031	814	1-1206
853.7	30/7	1.063	799	17,500	0.021	0.026	907	1-1203
853.7	18/19	1.063	798	21,500	0.022	0.027	890	1-1206
927.2	30/7	1.108	868	19,000	0.019	0.024	955	1-1203
927.2	18/19	1.108	867	23,400	0.020	0.025	936	1-1206
1024.5	30/7	1.165	959	20,900	0.017	0.022	1,015	1-1203
1024.5	18/19	1.165	958	25,800	0.018	0.023	995	1-1206
1081.0	30/7	1.196	1,012	22,100	0.016	0.021	1,048	1-1203
1081.0	18/19	1.196	1,011	27,200	0.017	0.021	1,028	1-1206
1109.0	30/7	1.212	1,038	22,700	0.016	0.020	1,065	1-1203
1109.0	18/19	1.212	1,037	27,900	0.017	0.021	1,044	1-1206
1172.0	30/7	1.246	1,097	24,000	0.015	0.019	1,101	1-1203
1172.0	18/19	1.246	1,096	29,500	0.016	0.020	1,080	1-1206
1197.0	30/7	1.259	1,121	24,500	0.015	0.019	1,115	1-1203
1197.0	18/19	1.259	1,119	30,200	0.016	0.019	1,094	1-1206
1280.0	30/7	1.302	1,199	26,200	0.014	0.018	1,160	1-1203
1280.0	18/19	1.302	1,197	32,200	0.015	0.018	1,139	1-1206
1361.0	42/19	1.344	1,274	30,300	0.013	0.017	1,196	1-1125
1527.0	42/19	1.424	1,429	33,600	0.012	0.015	1,314	1-1125
1703.0	42/19	1.504	1,594	37,500	0.011	0.014	1,363	1-1125
1933.0	42/19	1.602	1,809	42,500	0.009	0.012	1,465	1-1125
2267.0	42/19	1.735	2,142	49,900	0.008	0.011	1,594	1-1125
2339.0	42/19	1.762	2,210	51,500	0.008	0.011	1,622	1-1125
2493.0	72/19	1.821	2,357	50,400	0.007	0.010	1,687	1-1235
2493.0	54/37	1.821	2,355	57,600	0.007	0.010	1,670	1-1105

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