

Conductor Information for ACSS Conductors

CODE NAME	SIZE	STRANDING	DIAMETER (IN)				WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS/1000 FT		AMPACITY @ 200° C	SAG10® CHART NUMBER
			INDIVIDUAL WIRES		STEEL CORE	COMPLETE CABLE			DC @ 20°C	AC @ 75°C		
	KCMIL	AL/ST	AL	ST			LBS	LBS			AMPS	
Partridge/ACSS	266.8	26/7	0.101	0.079	0.236	0.642	366.8	8,880	0.062	0.076	812	3-945
Junco/ACSS	266.8	30/7	0.094	0.094	0.283	0.660	417.4	11,700	0.062	0.076	822	3-947
Ostrich/ACSS	300.0	26/7	0.107	0.084	0.251	0.680	412.4	10,000	0.055	0.068	877	3-945
Linnet/ACSS	336.4	26/7	0.114	0.089	0.265	0.720	462.5	11,200	0.049	0.060	945	3-945
Oriole/ACSS	336.4	30/7	0.106	0.106	0.318	0.741	526.3	14,800	0.049	0.060	957	3-947
Brant/ACSS	397.5	24/7	0.129	0.086	0.257	0.772	511.4	11,000	0.042	0.051	1,047	3-944
Ibis/ACSS	397.5	26/7	0.124	0.096	0.289	0.783	546.5	13,000	0.042	0.051	1,054	3-945
Lark/ACSS	397.5	30/7	0.115	0.115	0.345	0.806	621.9	17,500	0.041	0.051	1,068	3-947
Flicker/ACSS	477.0	24/7	0.141	0.094	0.282	0.846	613.6	13,000	0.035	0.043	1,180	3-944
Hawk/ACSS	477.0	26/7	0.135	0.105	0.316	0.858	655.8	15,600	0.035	0.043	1,188	3-945
Hen/ACSS	477.0	30/7	0.126	0.126	0.378	0.883	746.3	21,000	0.034	0.042	1,204	3-947
Parakeet/ACSS	556.5	24/7	0.152	0.102	0.305	0.914	715.9	15,200	0.030	0.037	1,306	3-944
Dove/ACSS	556.5	26/7	0.146	0.114	0.341	0.927	765.1	18,200	0.030	0.037	1,315	3-945
Eagle/ACSS	556.5	30/7	0.136	0.136	0.409	0.953	870.6	24,500	0.030	0.036	1,331	3-947
Peacock/ACSS	605.0	24/7	0.159	0.106	0.318	0.953	778.3	16,500	0.027	0.034	1,379	3-944
Squab/ACSS	605.0	26/7	0.153	0.119	0.356	0.966	831.8	19,700	0.027	0.034	1,389	3-945
Wood Duck/ACSS	605.0	30/7	0.142	0.142	0.426	0.994	946.5	26,100	0.027	0.033	1,407	3-947
Teal/ACSS	605.0	30/19	0.142	0.085	0.426	0.994	938.6	26,600	0.027	0.034	1,406	3-955
Rook/ACSS	636.0	24/7	0.163	0.109	0.326	0.977	818.2	17,300	0.026	0.032	1,425	3-944
Grosbeak/ACSS	636.0	26/7	0.156	0.122	0.365	0.991	874.4	20,700	0.026	0.032	1,435	3-945
Scoter/ACSS	636.0	30/7	0.146	0.146	0.437	1.019	995.0	27,400	0.026	0.032	1,454	3-947
Egret/ACSS	636.0	30/19	0.146	0.087	0.437	1.019	986.8	28,000	0.026	0.032	1,453	3-955
Flamingo/ACSS	666.6	24/7	0.167	0.111	0.333	1.000	857.6	18,200	0.025	0.031	1,470	3-944
Gannet/ACSS	666.6	26/7	0.160	0.125	0.374	1.014	916.4	21,700	0.025	0.031	1,480	3-945
Stilt/ACSS	715.5	24/7	0.173	0.115	0.345	1.036	920.5	19,500	0.023	0.029	1,540	3-944
Starling/ACSS	715.5	26/7	0.166	0.129	0.387	1.051	983.7	23,300	0.023	0.029	1,550	3-945
Redwing/ACSS	715.5	30/19	0.154	0.093	0.463	1.081	1110.1	30,800	0.023	0.028	1,570	3-955
Cuckoo/ACSS	795.0	24/7	0.182	0.121	0.364	1.092	1022.7	21,700	0.021	0.026	1,650	3-944
Drake/ACSS	795.0	26/7	0.175	0.136	0.408	1.107	1093.0	25,900	0.021	0.026	1,662	3-945
Macaw/ACSS	795.0	42/7	0.138	0.076	0.229	1.055	857.5	11,800	0.021	0.026	1,621	3-949
Tern/ACSS	795.0	45/7	0.133	0.089	0.266	1.063	894.9	14,200	0.021	0.026	1,618	3-951
Condor/ACSS	795.0	54/7	0.121	0.121	0.364	1.092	1022.7	16,600	0.021	0.027	1,618	3-954
Mallard/ACSS	795.0	30/19	0.163	0.098	0.488	1.139	1233.4	34,300	0.021	0.026	1,683	3-955
Ruddy/ACSS	900.0	45/7	0.141	0.094	0.283	1.131	1013.1	15,800	0.019	0.023	1,755	3-951
Canary/ACSS	900.0	54/7	0.129	0.129	0.387	1.162	1157.8	24,600	0.018	0.024	1,756	3-954
Redbird/ACSS	954.0	24/7	0.199	0.133	0.399	1.196	1227.3	26,000	0.017	0.022	1,859	3-944
Rail/ACSS	954.0	45/7	0.146	0.097	0.291	1.165	1073.9	16,700	0.018	0.022	1,824	3-951
Towhee/ACSS	954.0	48/7	0.141	0.110	0.329	1.175	1122.3	19,700	0.018	0.022	1,842	3-953
Cardinal/ACSS	954.0	54/7	0.133	0.133	0.399	1.196	1227.3	26,000	0.017	0.022	1,825	3-954
Canvasback/ACSS	954.0	30/19	0.178	0.107	0.535	1.248	1480.1	41,100	0.017	0.021	1,897	3-955
Snowbird/ACSS	1033.5	42/7	0.157	0.087	0.261	1.203	1114.7	15,400	0.016	0.020	1,924	3-949
Ortolan/ACSS	1033.5	45/7	0.152	0.101	0.303	1.212	1163.4	18,100	0.016	0.020	1,921	3-951
Curlew/ACSS	1033.5	54/7	0.138	0.138	0.415	1.245	1329.6	28,200	0.016	0.021	1,924	3-954
Bluejay/ACSS	1113.0	45/7	0.157	0.105	0.315	1.258	1252.8	19,500	0.015	0.019	2,017	3-951
Finch/ACSS	1113.0	54/19	0.144	0.086	0.431	1.292	1428.9	30,400	0.015	0.019	2,015	3-957
Bunting/ACSS	1192.5	45/7	0.163	0.109	0.326	1.302	1342.4	20,900	0.014	0.018	2,110	3-951
Bittern/ACSS	1272.0	45/7	0.168	0.112	0.336	1.345	1431.9	22,300	0.013	0.017	2,200	3-951

REFERENCE MATERIAL

Conductor Information for ACSS Conductors (cont.)

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			INDIVIDUAL WIRES		STEEL CORE	COMPLETE CABLE			DC @ 20°C	AC @ 75°C		
	KCMIL	AL/ST	AL	ST			LBS	LBS			AMPS	
Pheasant/ACSS	1272.0	54/19	0.154	0.092	0.460	1.381	1633.0	34,100	0.013	0.017	2,200	3-957
Dipper/ACSS	1351.0	45/7	0.173	0.116	0.347	1.386	1520.8	23,700	0.012	0.016	2,289	3-951
Martin/ACSS	1351.0	54/19	0.158	0.095	0.475	1.424	1734.5	36,200	0.012	0.016	2,288	3-957
Bobolink/ACSS	1431.0	45/7	0.178	0.119	0.357	1.427	1610.8	25,100	0.012	0.015	2,375	3-951
Plover/ACSS	1431.0	54/19	0.163	0.098	0.488	1.465	1837.2	38,400	0.012	0.015	2,375	3-957
Nuthatch/ACSS	1510.0	45/7	0.183	0.122	0.366	1.465	1699.8	26,500	0.011	0.014	2,459	3-951
Parrot/ACSS	1510.0	54/19	0.167	0.100	0.502	1.505	1938.6	40,500	0.011	0.014	2,460	3-957
Ratite/ACSS	1590.0	42/7	0.195	0.108	0.324	1.492	1715.0	23,400	0.011	0.014	2,543	3-949
Lapwing/ACSS	1590.0	45/7	0.188	0.125	0.376	1.504	1789.8	27,900	0.011	0.014	2,543	3-951
Falcon/ACSS	1590.0	54/19	0.172	0.103	0.515	1.544	2041.4	42,600	0.011	0.014	2,545	3-957
Chukar/ACSS	1780.0	84/19	0.146	0.087	0.437	1.601	2070.8	35,400	0.009	0.012	2,751	3-959
Mockingbird/ACSS	2034.5	72/7	0.168	0.112	0.336	1.681	2159.3	27,200	0.008	0.011	2,960	3-954
Roadrunner/ACSS	2057.0	76/19	0.165	0.077	0.384	1.700	2245.2	31,700	0.008	0.011	2,992	3-959
Bluebird/ACSS	2156.0	84/19	0.160	0.096	0.481	1.762	2508.2	42,100	0.008	0.010	3,106	3-959
Kiwi/ACSS	2167.0	72/7	0.174	0.116	0.347	1.735	2299.9	29,000	0.008	0.010	3,080	3-954
Thrasher/ACSS	2312.0	76/19	0.174	0.081	0.407	1.802	2523.5	35,600	0.007	0.010	3,218	3-959
Joree/ACSS	2515.0	76/19	0.182	0.085	0.425	1.880	2745.1	38,700	0.007	0.009	3,390	3-959

Notes:

1. Data based on a nominal cable manufactured in accordance with ASTM B 857.
2. Resistance and ampacity based on an aluminum conductivity of 63%, IACS at 20°C, and a steel conductivity of 8% IACS at 20°C.
3. Ampacity based on a 200°C conductor temperature, 25°C ambient temperature, 2 ft/sec. wind, in sun, with emissivity of 0.5 and a coefficient of solar absorption of 0.5, at sea level.
4. Rated strengths based on Class A galvanized steel core wire in accordance with ASTM B 498.