

Concentric-Lay-Stranded Aluminum Conductors, Coated Steel Supported
ASTM B856, Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel Supported

Code Word	Size (kcmil)	Stranding (Al/St)	Diameter (mm)				Weight kg/km			Rated Strength (kN)		Resistance Ω/km	
			Al Wire	Steel Wire	Steel Core	Complete Conductor	Al	Steel	Total	Standard Strength	High Strength	DC @ 20°C	AC @ 75°C
Partridge/ACSS	266.8	26/7	2.57	2	6	16.31	374	172	546	39.5	43.28	0.2063	0.2537
Junco/ACSS	266.8	30/7	2.4	2.4	7.19	16.76	375	246	621	52.04	57.83	0.205	0.252
Ostrich/ACSS	300	26/7	2.73	2.12	6.37	17.27	421	193	614	44.48	48.49	0.1837	0.2257
Linnet/ACSS	336.4	26/7	2.89	2.25	6.74	18.29	471	217	688	49.82	54.71	0.1637	0.2013
Oriole/ACSS	336.4	30/7	2.69	2.69	8.07	18.82	473	311	783	65.83	72.51	0.1627	0.2
Brant/ACSS	397.5	24/7	3.27	2.18	6.54	19.61	557	204	761	48.93	53.82	0.139	0.1713
Ibis/ACSS	397.5	26/7	3.14	2.44	7.33	19.89	557	256	813	57.83	63.16	0.1387	0.1707
Lark/ACSS	397.5	30/7	2.92	2.92	8.77	20.47	558	367	925	77.84	85.85	0.1377	0.1693
Flicker/ACSS	477	24/7	3.58	2.39	7.16	21.49	669	245	913	57.83	63.16	0.116	0.143
Hawk/ACSS	477	26/7	3.44	2.67	8.03	21.79	669	307	976	69.39	76.06	0.1153	0.1423
Hen/ACSS	477	30/7	3.2	3.2	9.61	22.43	670	440	1110	93.41	100.97	0.1147	0.1413
Parakeet/ACSS	556.5	24/7	3.87	2.58	7.73	23.22	780	285	1065	67.61	73.84	0.0993	0.1227
Dove/ACSS	556.5	26/7	3.72	2.89	8.67	23.55	780	358	1138	80.96	88.52	0.099	0.122
Eagle/ACSS	556.5	30/7	3.46	3.46	10.38	24.21	782	514	1295	108.98	117.88	0.0983	0.121
Peacock/ACSS	605	24/7	4.03	2.69	8.06	24.21	848	310	1158	73.4	80.51	0.0913	0.113
Squab/ACSS	605	26/7	3.87	3.01	9.04	24.54	848	390	1238	87.63	94.75	0.091	0.1123
Wood Duck/ACSS	605	30/7	3.61	3.61	10.82	25.25	850	558	1408	115.65	125.88	0.0903	0.1113
Teal/ACSS	605	30/19	3.61	2.16	10.82	25.25	850	547	1397	118.32	130.33	0.0907	0.1117
Rook/ACSS	636	24/7	4.14	2.76	8.27	24.82	891	326	1217	76.95	84.52	0.087	0.1073
Grosbeak/ACSS	636	26/7	3.97	3.09	9.27	25.17	891	410	1301	92.08	99.64	0.0867	0.107
Scoter/ACSS	636	30/7	3.7	3.7	11.09	25.88	894	587	1481	121.88	132.11	0.086	0.106
Egret/ACSS	636	30/19	3.7	2.22	11.09	25.88	894	575	1468	124.55	137.45	0.086	0.1063
Flamingo/ACSS	666.6	24/7	4.23	2.82	8.47	25.4	934	342	1276	80.96	88.52	0.083	0.1027
Gannet/ACSS	666.6	26/7	4.07	3.16	9.49	25.76	934	429	1364	96.53	104.09	0.0827	0.102
Stilt/ACSS	715.5	24/7	4.39	2.92	8.77	26.31	1003	367	1370	86.74	94.75	0.0773	0.0957
Starling/ACSS	715.5	26/7	4.21	3.28	9.83	26.7	1003	461	1464	103.64	112.1	0.077	0.0953
Redwing/ACSS	715.5	30/19	3.92	2.35	11.77	27.46	1005	647	1652	137.01	151.24	0.0767	0.0947
Cuckoo/ACSS	795	24/7	4.62	3.08	9.25	27.74	1114	408	1522	96.53	103.64	0.0697	0.0863
Drake/ACSS	795	26/7	4.44	3.45	10.36	28.12	1114	512	1626	115.21	124.55	0.0697	0.0857
Macaw/ACSS	795	42/7	3.5	1.94	5.82	26.8	1114	162	1276	52.49	56.05	0.0703	0.0873
Tern/ACSS	795	45/7	3.38	2.25	6.75	27	1114	217	1332	63.16	67.61	0.07	0.0877
Condor/ACSS	795	54/7	3.08	3.08	9.25	27.74	1114	408	1522	96.53	103.64	0.0697	0.0887
Mallard/ACSS	795	30/19	4.14	2.48	12.41	28.93	1117	718	1835	152.57	168.59	0.069	0.085
Ruddy/ACSS	900	45/7	3.59	2.4	7.18	28.73	1261	246	1507	70.28	75.62	0.062	0.0777
Canary/ACSS	900	54/7	3.28	3.28	9.84	29.51	1261	461	1723	109.43	117.43	0.0613	0.0787
Redbird/ACSS	954	24/7	5.06	3.38	10.13	30.38	1337	489	1826	115.65	124.55	0.058	0.0723
Rail/ACSS	954	45/7	3.7	2.47	7.4	29.59	1337	261	1598	74.29	80.07	0.0583	0.0733
Towhee/ACSS	954	48/7	3.58	2.79	8.36	29.85	1337	333	1670	87.63	94.75	0.0583	0.0727
Cardinal/ACSS	954	54/7	3.38	3.38	10.13	30.38	1337	489	1826	115.65	124.55	0.058	0.0743
Canvasback/ACSS	954	30/19	4.53	2.72	13.59	31.7	1340	862	2202	182.82	201.95	0.0573	0.0713
Snowbird/ACSS	1033.5	42/7	3.99	2.21	6.64	30.56	1448	210	1659	68.5	73.4	0.054	0.068
Ortolan/ACSS	1033.5	45/7	3.85	2.57	7.7	30.78	1448	283	1731	80.51	86.74	0.054	0.068
Curlew/ACSS	1033.5	54/7	3.51	3.51	10.54	31.62	1448	530	1978	125.44	134.78	0.0537	0.0687
Bluejay/ACSS	1113	45/7	4	2.66	7.99	31.95	1560	304	1864	86.74	93.86	0.05	0.0633

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Finch/ACSS	1113	54/19	3.65	2.19	10.94	32.82	1567	559	2126	135.23	147.68	0.05	0.0643
Bunting/ACSS	1192.5	45/7	4.14	2.76	8.27	33.07	1671	326	1997	95.19	104.53	0.0467	0.0593
Bittern/ACSS	1272	45/7	4.27	2.85	8.54	34.16	1783	348	2131	99.2	106.76	0.0437	0.0557
Pheasant/ACSS	1272	54/19	3.9	2.34	11.69	35.08	1791	639	2430	151.68	165.92	0.0437	0.0563
Dipper/ACSS	1351	45/7	4.4	2.93	8.8	35.2	1893	369	2263	105.42	113.43	0.0413	0.0527
Martin/ACSS	1351	54/19	4.02	2.41	12.05	36.17	1903	678	2581	161.03	176.15	0.041	0.0533
Bobolink/ACSS	1431	45/7	4.53	3.02	9.06	36.25	2006	391	2397	111.65	120.1	0.039	0.05
Plover/ACSS	1431	54/19	4.14	2.48	12.41	37.21	2015	718	2734	170.81	186.38	0.039	0.0503
Nuthatch/ACSS	1510	45/7	4.65	3.1	9.31	37.21	2116	413	2529	117.88	125	0.037	0.0477
Parrot/ACSS	1510	54/19	4.25	2.55	12.74	38.23	2127	758	2885	179.71	196.61	0.0367	0.048
Ratite/ACSS	1590	42/7	4.94	2.75	8.24	37.9	2228	323	2552	104.09	111.21	0.035	0.0453
Lapwing/ACSS	1590	45/7	4.78	3.18	9.55	38.2	2228	435	2663	124.11	131.67	0.035	0.0453
Falcon/ACSS	1590	54/19	4.36	2.62	13.08	39.22	2239	798	3038	189.49	207.29	0.035	0.0457
Chukar/ACSS	1780	84/19	3.7	2.22	11.09	40.67	2507	575	3081	157.47	169.92	0.0313	0.0407
Mockingbird/ACSS	2034.5	72/7	4.27	2.85	8.54	42.7	2865	348	3213	120.99	128.55	0.0277	0.0367
Roadrunner/ACSS	2057	76/19	4.18	1.95	9.75	43.18	2897	444	3341	141.01	150.79	0.0273	0.036
Bluebird/ACSS	2156	84/19	4.07	2.44	12.21	44.75	3036	696	3732	187.27	202.39	0.026	0.0343
Kiwi/ACSS	2167	72/7	4.41	2.94	8.81	44.07	3052	370	3422	129	137.01	0.026	0.0347
Thrasher/ACSS	2312	76/19	4.43	2.07	10.34	45.77	3256	499	3755	158.36	169.48	0.0243	0.0327
Joree/ACSS	2515	76/19	4.62	2.16	10.78	47.75	3542	543	4085	172.15	184.16	0.0223	0.0307