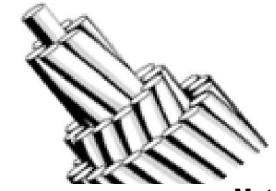




CONDUCTOR DATA SHEET

Aluminum Conductors Steel Supported in AS Core (ACSS / AW)



Metric Unit

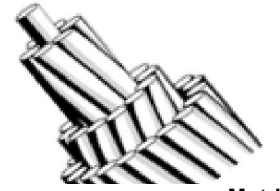
Code Word	Size kcmil	Stranding Al/AW	Diameter in mm				Weight kg/ km			Rated strength in kN	Resistance Ω/ km	
			Wire		AW Core	Conductor	Al	AW	Total		R _{dc} at 20°C	R _{ac} at 75°C
			Al	AW								
Junco/ACSS/AW	266.8	30/7	2.395	2.395	7.186	16.764	375	208	583	49.82	0.1963	0.2410
Ostrich/ACSS/AW	300	26/7	2.728	2.121	6.365	17.272	421	164	585	41.64	0.1780	0.2187
Linnet/ACSS/AW	336.4	26/7	2.888	2.248	6.741	18.288	472	183	655	46.71	0.1587	0.1950
Oriole/ACSS/AW	336.4	30/7	2.690	2.690	8.070	18.821	473	263	735	63.16	0.1557	0.1910
Brant/ACSS/AW	397.5	24/7	3.269	2.179	6.538	19.609	557	173	729	46.26	0.1357	0.1670
Ibis/ACSS/AW	397.5	26/7	3.139	2.443	7.328	19.888	557	217	774	55.16	0.1343	0.1653
Lark/ACSS/AW	397.5	30/7	2.924	2.924	8.771	20.472	558	311	869	74.29	0.1317	0.1620
Flicker/ACSS/AW	477	24/7	3.581	2.388	7.160	21.488	668	207	876	55.60	0.1130	0.1393
Hawk/ACSS/AW	477	26/7	3.439	2.675	8.026	21.793	668	260	929	66.28	0.1120	0.1377
Hen/ACSS/AW	477	30/7	3.203	3.203	9.609	22.428	670	373	1043	89.41	0.1097	0.1350
Parakeet/ACSS/AW	556.5	24/7	3.868	2.578	7.734	23.216	780	243	1022	64.94	0.0970	0.1197
Dove/ACSS/AW	556.5	26/7	3.716	2.891	8.669	23.546	780	304	1083	77.84	0.0960	0.1183
Eagle/ACSS/AW	556.5	30/7	3.459	3.459	10.378	24.206	781	436	1217	101.86	0.0940	0.1160
Peacock/ACSS/AW	605	24/7	4.034	2.687	8.065	24.206	848	263	1110	70.73	0.0890	0.1100
Squab/ACSS/AW	605	26/7	3.874	3.012	9.040	24.536	848	330	1178	84.52	0.0883	0.1090
WoodDuck/ACSS/AW	605	30/7	3.607	3.607	10.820	25.248	850	473	1323	108.54	0.0867	0.1067
Teal/ACSS/AW	605	30/19	3.607	2.164	10.820	25.248	850	463	1314	111.21	0.0867	0.1067
Rook/ACSS/AW	636	24/7	4.135	2.756	8.270	24.816	891	277	1168	74.29	0.0850	0.1047
Grosbeak/ACSS/AW	636	26/7	3.973	3.089	9.268	25.171	891	347	1238	88.52	0.0840	0.1037
Scoter/ACSS/AW	636	30/7	3.698	3.698	11.095	25.883	893	497	1391	111.65	0.0823	0.1017
Egret/ACSS/AW	636	30/19	3.698	2.220	11.095	25.883	893	487	1381	116.99	0.0823	0.1017
Flamingo/ACSS/AW	666.6	24/7	4.234	2.822	8.466	25.400	934	290	1225	77.84	0.0810	0.1000
Gannet/ACSS/AW	666.6	26/7	4.067	3.162	9.489	25.756	934	365	1298	92.97	0.0800	0.0990

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CONDUCTOR DATA SHEET

Aluminum Conductors Steel Supported in AS Core (ACSS / AW)



Metric Unit

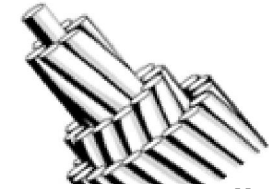
Code Word	Size kcmil	Stranding Al/AW	Diameter in mm				Weight kg/ km			Rated strength in kN	Resistance Ω/ km	
			Wire		AW Core	Conductor	Al	AW	Total		R _{dc} at 20°C	R _{ac} at 75°C
			Al	AW								
Stilt/ACSS/AW	715.5	24/7	4.387	2.924	8.771	26.314	1003	311	1314	83.63	0.0753	0.0933
Starling/ACSS/AW	715.5	26/7	4.214	3.277	9.832	26.695	1003	391	1393	97.86	0.0747	0.0923
Redwing/ACSS/AW	715.5	30/19	3.922	2.355	11.768	27.457	1006	548	1553	131.22	0.0733	0.0907
Cuckoo/ACSS/AW	795	24/7	4.623	3.081	9.246	27.737	1115	345	1460	92.97	0.0680	0.0840
Drake/ACSS/AW	795	26/7	4.442	3.454	10.363	28.118	1115	434	1548	108.54	0.0673	0.0833
Macaw/ACSS/AW	795	42/7	3.495	1.941	5.824	26.797	1115	137	1251	50.71	0.0697	0.0867
Tern/ACSS/AW	795	45/7	3.376	2.250	6.751	27.000	1115	185	1299	60.05	0.0693	0.0867
Condor/ACSS/AW	795	54/7	3.081	3.081	9.246	27.737	1115	345	1460	70.28	0.0680	0.0867
Mallard/ACSS/AW	795	30/19	4.135	2.482	12.405	28.931	1117	609	1726	146.35	0.0660	0.0817
Ruddy/ACSS/AW	900	45/7	3.592	2.395	7.183	28.727	1262	208	1470	68.06	0.0610	0.0767
Canary/ACSS/AW	900	54/7	3.279	3.279	9.837	29.515	1262	391	1653	103.20	0.0600	0.0767
Rail/ACSS/AW	954	45/7	3.698	2.466	7.396	29.591	1338	222	1558	72.06	0.0577	0.0727
Towhee/ACSS/AW	954	48/7	3.581	2.786	8.357	29.845	1338	283	1619	84.52	0.0573	0.0713
Cardinal/ACSS/AW	954	54/7	3.376	3.376	10.127	30.378	1338	415	1751	109.43	0.0567	0.0723
Canvasback/ACSS/AW	954	30/19	4.529	2.718	13.589	31.699	1341	731	2071	175.26	0.0550	0.0683
Snowbird/ACSS/AW	1033.5	42/7	3.985	2.212	6.640	30.556	1448	179	1626	65.83	0.0537	0.0673
Curlew/ACSS/AW	1033.5	54/7	3.513	3.513	10.541	31.623	1448	449	1897	116.10	0.0523	0.0670
Bluejay/ACSS/AW	1113	45/7	3.995	2.662	7.988	31.953	1559	257	1818	84.07	0.0493	0.0293
Finch/ACSS/AW	1113	54/19	3.647	2.187	10.940	32.817	1567	473	2042	128.11	0.0487	0.0627
Bunting/ACSS/AW	1192.5	45/7	4.135	2.756	8.270	33.071	1671	277	1948	90.30	0.0460	0.0587
Grackle/ACSS/AW	1192.5	54/19	3.774	2.266	11.323	33.960	1680	507	2187	137.01	0.0457	0.0587
Bittern/ACSS/AW	1272	45/7	4.270	2.847	8.539	34.163	1783	295	2077	96.08	0.0433	0.0550
Pheasant/ACSS/AW	1272	54/19	3.899	2.339	11.694	35.077	1792	542	2333	145.90	0.0427	0.0550
Dipper/ACSS/AW	1351	45/7	4.402	2.934	8.801	35.204	1893	312	2207	102.31	0.0407	0.0520

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CONDUCTOR DATA SHEET

Aluminum Conductors Steel Supported in AS Core (ACSS / AW)



Metric Unit

Code Word	Size kcmil	Stranding Al/AW	Diameter in mm				Weight kg/ km			Rated strength in kN	Resistance Ω/ km	
			Wire		AW Core	Conductor	Al	AW	Total		R _{dc} at 20°C	R _{ac} at 75°C
			Al	AW								
Martin/ACSS/AW	1351	54/19	4.018	2.410	12.052	36.170	1903	574	2478	155.24	0.0400	0.0520
Bobolink/ACSS/AW	1431	45/7	4.529	3.020	9.058	36.246	2006	332	2338	108.09	0.0383	0.0493
Plover/ACSS/AW	1431	54/19	4.135	2.482	12.405	37.211	2015	609	2625	164.14	0.0380	0.0493
Nuthatch/ACSS/AW	1510	45/7	4.653	3.101	9.307	37.211	2116	350	2466	114.32	0.0363	0.0470
Parrot/ACSS/AW	1510	54/19	4.247	2.548	12.743	38.227	2126	643	2769	173.04	0.0360	0.0470
Lapwing/ACSS/AW	1590	45/7	4.775	3.183	9.548	38.202	2229	369	2597	120.10	0.0347	0.0447
Falcon/ACSS/AW	1590	54/19	4.359	2.616	13.076	39.218	2239	677	2916	182.82	0.0340	0.0447
Chukar/ACSS/AW	1780	84/19	3.698	2.217	11.092	40.665	2507	487	2994	149.46	0.0310	0.0400
Mockingbird/ACSS/AW	2034.5	72/7	4.270	2.847	8.539	42.697	2866	295	3161	117.88	0.0273	0.0363
Roadrunner/ACSS/AW	2057	76/19	4.178	1.951	9.751	43.180	2897	376	3274	134.78	0.0270	0.0360
Bluebird/ACSS/AW	2156	84/19	4.069	2.441	12.207	44.755	3037	589	3626	181.04	0.0257	0.0340
Kiwi/ACSS/AW	2167	72/7	4.407	2.939	8.814	44.069	3052	314	3366	125.44	0.0257	0.0347
Thrasher/ACSS/AW	2312	76/19	4.430	2.068	10.338	45.771	3256	423	3678	151.68	0.0240	0.0323
Joree/ACSS/AW	2515	76/19	4.620	2.156	10.782	47.752	3541	460	4001	165.03	0.0220	0.0303

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