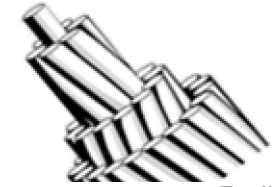




CONDUCTOR DATA SHEET



Aluminum Conductors -Aluminum Clad Steel Reinforced (ACSR / AS)

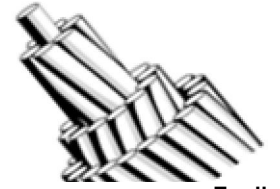
English Unit

Code Word	Size kcmil	Stranding Al/AW	Diameter in inches				Weight per 1000 ft in lb			Rated strength in lb	Resistance Ω/1000 ft	
			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	0.0943	0.0943	0.2829	0.66	252	140	392	11200	0.0598	0.0735
Ostrich/ACSS/AW	300	26/7	0.1074	0.0835	0.2506	0.68	283	110	393	9360	0.0543	0.0666
Linnet/ACSS/AW	336.4	26/7	0.1137	0.0885	0.2654	0.72	317	123	440	10500	0.0484	0.0594
Oriole/ACSS/AW	336.4	30/7	0.1059	0.1059	0.3177	0.741	318	177	494	14200	0.0474	0.0582
Brant/ACSS/AW	397.5	24/7	0.1287	0.0858	0.2574	0.772	374	116	490	10400	0.0414	0.0509
Ibis/ACSS/AW	397.5	26/7	0.1236	0.0962	0.2885	0.783	374	146	520	12400	0.0409	0.0504
Lark/ACSS/AW	397.5	30/7	0.1151	0.1151	0.3453	0.806	375	209	584	16700	0.0401	0.0494
Flicker/ACSS/AW	477	24/7	0.141	0.094	0.2819	0.846	449	139	589	12500	0.0344	0.0425
Hawk/ACSS/AW	477	26/7	0.1354	0.1053	0.316	0.858	449	175	624	14900	0.0341	0.0420
Hen/ACSS/AW	477	30/7	0.1261	0.1261	0.3783	0.883	450	251	701	20100	0.0334	0.0411
Parakeet/ACSS/AW	556.5	24/7	0.1523	0.1015	0.3045	0.914	524	163	687	14600	0.0296	0.0365
Dove/ACSS/AW	556.5	26/7	0.1463	0.1138	0.3413	0.927	524	204	728	17500	0.0293	0.0361
Eagle/ACSS/AW	556.5	30/7	0.1362	0.1362	0.4086	0.953	525	293	818	22900	0.0287	0.0354
Peacock/ACSS/AW	605	24/7	0.1588	0.1058	0.3175	0.953	570	177	746	15900	0.0271	0.0335
Squab/ACSS/AW	605	26/7	0.1525	0.1186	0.3559	0.966	570	222	792	19000	0.0269	0.0332
WoodDuck/ACSS/AW	605	30/7	0.142	0.142	0.426	0.994	571	318	889	24400	0.0264	0.0325
Teal/ACSS/AW	605	30/19	0.142	0.0852	0.426	0.994	571	311	883	25000	0.0264	0.0325
Rook/ACSS/AW	636	24/7	0.1628	0.1085	0.3256	0.977	599	186	785	16700	0.0259	0.0319
Grosbeak/ACSS/AW	636	26/7	0.1564	0.1216	0.3649	0.991	599	233	832	19900	0.0256	0.0316
Scoter/ACSS/AW	636	30/7	0.1456	0.1456	0.4368	1.019	600	334	935	25100	0.0251	0.0310
Egret/ACSS/AW	636	30/19	0.1456	0.0874	0.4368	1.019	600	327	928	26300	0.0251	0.0310
Flamingo/ACSS/AW	666.6	24/7	0.1667	0.1111	0.3333	1	628	195	823	17500	0.0247	0.0305
Gannet/ACSS/AW	666.6	26/7	0.1601	0.1245	0.3736	1.014	628	245	872	20900	0.0244	0.0302

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CONDUCTOR DATA SHEET



Aluminum Conductors -Aluminum Clad Steel Reinforced (ACSR / AS)

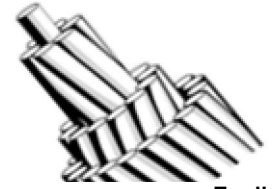
English Unit

Code Word	Size kcmil	Stranding Al/AW	Diameter in inches				Weight per 1000 ft in lb			Rated strength in lb	Resistance Ω/1000 ft	
			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	0.1727	0.1151	0.3453	1.036	674	209	883	18800	0.0230	0.0284
Starling/ACSS/AW	715.5	26/7	0.1659	0.129	0.3871	1.051	674	263	936	22000	0.0228	0.0281
Redwing/ACSS/AW	715.5	30/19	0.1544	0.0927	0.4633	1.081	676	368	1044	29500	0.0224	0.0276
Cuckoo/ACSS/AW	795	24/7	0.182	0.1213	0.364	1.092	749	232	981	20900	0.0207	0.0256
Drake/ACSS/AW	795	26/7	0.1749	0.136	0.408	1.107	749	292	1040	24400	0.0205	0.0254
Macaw/ACSS/AW	795	42/7	0.1376	0.0764	0.2293	1.055	749	92	841	11400	0.0212	0.0264
Tern/ACSS/AW	795	45/7	0.1329	0.0886	0.2658	1.063	749	124	873	13500	0.0211	0.0264
Condor/ACSS/AW	795	54/7	0.1213	0.1213	0.364	1.092	749	232	981	15800	0.0207	0.0264
Mallard/ACSS/AW	795	30/19	0.1628	0.0977	0.4884	1.139	751	409	1160	32900	0.0201	0.0249
Ruddy/ACSS/AW	900	45/7	0.1414	0.0943	0.2828	1.131	848	140	988	15300	0.0186	0.0234
Canary/ACSS/AW	900	54/7	0.1291	0.1291	0.3873	1.162	848	263	1111	23200	0.0183	0.0234
Rail/ACSS/AW	954	45/7	0.1456	0.0971	0.2912	1.165	899	149	1047	16200	0.0176	0.0221
Towhee/ACSS/AW	954	48/7	0.141	0.1097	0.329	1.175	899	190	1088	19000	0.0175	0.0217
Cardinal/ACSS/AW	954	54/7	0.1329	0.1329	0.3987	1.196	899	279	1177	24600	0.0173	0.0220
Canvasback/ACSS/AW	954	30/19	0.1783	0.107	0.535	1.248	901	491	1392	39400	0.0168	0.0208
Snowbird/ACSS/AW	1033.5	42/7	0.1569	0.0871	0.2614	1.203	973	120	1093	14800	0.0164	0.0205
Curlew/ACSS/AW	1033.5	54/7	0.1383	0.1383	0.415	1.245	973	302	1275	26100	0.0160	0.0204
Bluejay/ACSS/AW	1113	45/7	0.1573	0.1048	0.3145	1.258	1048	173	1222	18900	0.0150	0.0089
Finch/ACSS/AW	1113	54/19	0.1436	0.0861	0.4307	1.292	1053	318	1372	28800	0.0148	0.0191
Bunting/ACSS/AW	1192.5	45/7	0.1628	0.1085	0.3256	1.302	1123	186	1309	20300	0.0140	0.0179
Grackle/ACSS/AW	1192.5	54/19	0.1486	0.0892	0.4458	1.337	1129	341	1470	30800	0.0139	0.0179
Bittern/ACSS/AW	1272	45/7	0.1681	0.1121	0.3362	1.345	1198	198	1396	21600	0.0132	0.0168
Pheasant/ACSS/AW	1272	54/19	0.1535	0.0921	0.4604	1.381	1204	364	1568	32800	0.0130	0.0168

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CONDUCTOR DATA SHEET



Aluminum Conductors -Aluminum Clad Steel Reinforced (ACSR / AS)

English Unit

Code Word	Size kcmil	Stranding Al/AW	Diameter in inches				Weight per 1000 ft in lb			Rated strength in lb	Resistance Ω /1000 ft	
			Wire		AW Core	Conductor	Al	AW	Total		R_{dc} at 20°C	R_{ac} at 75°C
			Al	AW								
Dipper/ACSS/AW	1351	45/7	0.1733	0.1155	0.3465	1.386	1272	210	1483	23000	0.0124	0.0158
Martin/ACSS/AW	1351	54/19	0.1582	0.0949	0.4745	1.424	1279	386	1665	34900	0.0122	0.0158
Bobolink/ACSS/AW	1431	45/7	0.1783	0.1189	0.3566	1.427	1348	223	1571	24300	0.0117	0.0150
Plover/ACSS/AW	1431	54/19	0.1628	0.0977	0.4884	1.465	1354	409	1764	36900	0.0116	0.0150
Nuthatch/ACSS/AW	1510	45/7	0.1832	0.1221	0.3664	1.465	1422	235	1657	25700	0.0111	0.0143
Parrot/ACSS/AW	1510	54/19	0.1672	0.1003	0.5017	1.505	1429	432	1861	38900	0.0110	0.0143
Lapwing/ACSS/AW	1590	45/7	0.188	0.1253	0.3759	1.504	1498	248	1745	27000	0.0106	0.0136
Falcon/ACSS/AW	1590	54/19	0.1716	0.103	0.5148	1.544	1505	455	1960	41100	0.0104	0.0136
Chukar/ACSS/AW	1780	84/19	0.1456	0.0873	0.4367	1.601	1685	327	2012	33600	0.0094	0.0122
Mockingbird/ACSS/AW	2034.5	72/7	0.1681	0.1121	0.3362	1.681	1926	198	2124	26500	0.0083	0.0111
Roadrunner/ACSS/AW	2057	76/19	0.1645	0.0768	0.3839	1.7	1947	253	2200	30300	0.0082	0.0110
Bluebird/ACSS/AW	2156	84/19	0.1602	0.0961	0.4806	1.762	2041	396	2437	40700	0.0078	0.0104
Kiwi/ACSS/AW	2167	72/7	0.1735	0.1157	0.347	1.735	2051	211	2262	28200	0.0078	0.0106
Thrasher/ACSS/AW	2312	76/19	0.1744	0.0814	0.407	1.802	2188	284	2472	34100	0.0073	0.0099
Joree/ACSS/AW	2515	76/19	0.1819	0.0849	0.4245	1.88	2380	309	2689	37100	0.0067	0.0092

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