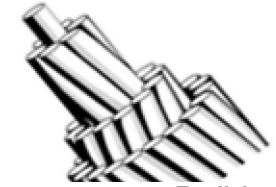




CONDUCTOR DATA SHEET



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

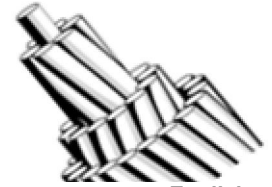
English unit

ACSR/AS Code Name	Conductor Size	Stranding N° x in.		Cross Sectional Area sq.in		Overall Diameter in.		Weight lb/1000 ft			Rated Strength	Maximum dc resistance at 20 °C
		AWG or CM	Aluminum	ACS Wire	Aluminum	ACS	ACSR/AS	ACS Core	Aluminum	ACS Core	ACSR/AS	lb
Turkey	6	6 x 0.0661	1 x 0.0661	0.0206	0.00343	0.198	0.066	24	10	34	1135	0.6231
Swanate	4	7 x 0.0772	1 x 0.1029	0.0328	0.00832	0.257	0.103	39	24	63	2286	0.3809
Swan	4	6 x 0.0834	1 x 0.0834	0.0328	0.00546	0.250	0.083	39	16	55	1783	0.3917
Sparrow	2	6 x 0.1052	1 x 0.1052	0.0521	0.00869	0.316	0.105	62	25	87	2767	0.2461
Sparate	2	7 x 0.0974	1 x 0.1299	0.0521	0.01325	0.325	0.130	62	38	100	3505	0.2393
Grouse	80,000	8 x 0.1000	1 x 0.1670	0.0628	0.02190	0.367	0.167	75	63	138	4784	0.1938
Robin	1	6 x 0.1181	1 x 0.1181	0.0657	0.01096	0.354	0.118	78	31	110	3442	0.1952
Patrel	0	12 x 0.0921	7 x 0.0921	0.0799	0.04662	0.461	0.276	96	134	230	9887	0.1978
Raven	00	6 x 0.1327	1 x 0.1327	0.0829	0.01383	0.398	0.133	99	40	138	4222	0.1546
Minorca	110,800	12 x 0.0961	7 x 0.0961	0.0870	0.05078	0.481	0.288	105	146	250	10768	0.1312
Quail	00	6 x 0.1489	1 x 0.1489	0.1045	0.01741	0.447	0.149	124	50	174	5074	0.1228
Leghorn	134,600	12 x 0.1059	7 x 0.1059	0.1057	0.06166	0.530	0.318	127	177	304	13003	0.1081
Guinea	159,000	12 x 0.1151	7 x 0.1151	0.1249	0.07287	0.576	0.345	150	209	359	15278	0.0915
Pigeon	000	x 0.1672	1 x 0.1672	0.1318	0.02196	0.502	0.167	157	63	219	6292	0.0974
Dotterel	176,900	12 x 0.1214	7 x 0.1214	0.1389	0.08105	0.607	0.364	167	233	400	16899	0.0822
Dorking	190,800	12 x 0.1261	7 x 0.1261	0.1499	0.08744	0.631	0.378	180	251	431	18228	0.0762
Brahma	203,200	16 x 0.1127	19 x 0.0977	0.1597	0.14248	0.714	0.489	192	411	603	27069	0.0658
Cochin	211,300	12 x 0.1327	7 x 0.1327	0.1660	0.09684	0.664	0.398	199	278	477	19731	0.0688
Penguin	0000	x 0.1878	1 x 0.1878	0.1662	0.02770	0.563	0.188	198	79	277	7835	0.0772
Partridge	266,800	26 x 0.1013	7 x 0.0788	0.2096	0.03416	0.641	0.236	252	98	350	10822	0.0619
Waxwing	266,800	18 x 0.1217	1 x 0.1217	0.2096	0.01163	0.609	0.122	250	33	283	6753	0.0639
Ostrich	300,000	26 x 0.1074	7 x 0.0835	0.2356	0.03833	0.680	0.251	283	110	393	12340	0.0551

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CONDUCTOR DATA SHEET



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

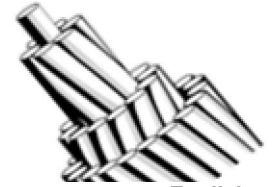
English unit

ACSR/AS Code Name	Conductor Size	Stranding N° x in.		Cross Sectional Area sq.in		Overall Diameter in.		Weight lb/1000 ft			Rated Strength	Maximum dc resistance at 20 °C
		Aluminum	ACS Wire	Aluminum	ACS	ACSR/AS	ACS Core	Aluminum	ACS Core	ACSR/AS	lb	Ω /1000ft
Oriole	336,400	30 x 0.1059	7 x 0.1059	0.2643	0.06166	0.741	0.318	318	177	495	16771	0.0481
Linnet	336,400	26 x 0.1137	7 x 0.0884	0.2643	0.04295	0.720	0.265	317	123	440	13444	0.0491
Merlin	336,400	18 x 0.1367	1 x 0.1367	0.2643	0.01468	0.683	0.137	316	42	358	8453	0.0506
Lark	397,500	30 x 0.1151	7 x 0.1151	0.3122	0.07287	0.806	0.345	376	209	585	19606	0.0407
Ibis	397,500	26 x 0.1236	7 x 0.0961	0.3122	0.05078	0.783	0.288	375	146	520	15678	0.0416
Brant	397,500	24 x 0.1287	7 x 0.0858	0.3122	0.04046	0.772	0.257	375	116	491	13954	0.0420
Chickadee	397,500	18 x 0.1486	1 x 0.1486	0.3122	0.01734	0.743	0.149	373	50	423	9608	0.0428
Flicker	477,000	24 x 0.1410	7 x 0.0940	0.3746	0.04859	0.846	0.282	450	139	589	16751	0.0350
Pelican	477,000	18 x 0.1628	1 x 0.1628	0.3746	0.02082	0.814	0.163	448	59	507	11434	0.0357
Hawk	477,000	26 x 0.1354	7 x 0.1053	0.3746	0.06098	0.857	0.316	450	175	625	19100	0.0347
Hen	477,000	30 x 0.1261	7 x 0.1261	0.3746	0.08744	0.883	0.378	451	251	702	23272	0.0340
Osprey	556,500	18 x 0.1758	1 x 0.1758	0.4371	0.02427	0.879	0.176	522	69	592	13531	0.0306
Parakeet	556,500	24 x 0.1523	7 x 0.1015	0.4371	0.05664	0.913	0.304	525	163	688	19239	0.0300
Dove	556,500	26 x 0.1463	7 x 0.1138	0.4371	0.07122	0.926	0.341	525	204	729	21982	0.0297
Eagle	556,500	30 x 0.1362	7 x 0.1362	0.4371	0.10196	0.953	0.409	526	293	819	26658	0.0291
Peacock	605,000	24 x 0.1588	7 x 0.1059	0.4752	0.06166	0.953	0.318	571	177	1	20945	0.0276
Squab	605,000	26 x 0.1525	7 x 0.1186	0.4752	0.07731	0.966	0.356	571	222	792	23553	0.0273
Wood Duck	605,000	30 x 0.1420	7 x 0.1420	0.4752	0.11089	0.994	0.426	572	318	890	28447	0.0268
Teal	605,000	30 x 0.1420	19 x 0.0852	0.4752	0.10831	0.994	0.426	572	311	884	28515	0.0268
Kingbird	636,000	18 x 0.1880	1 x 0.1880	0.4996	0.02776	0.940	0.188	597	79	677	15474	0.0268

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CONDUCTOR DATA SHEET



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

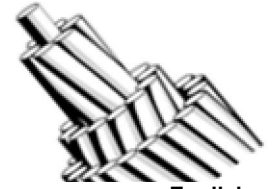
English unit

ACSR/AS Code Name	Conductor Size	Stranding N° x in.		Cross Sectional Area sq.in		Overall Diameter in.		Weight lb/1000 ft			Rated Strength	Maximum dc resistance at 20 °C
		AWG or CM	Aluminum	ACS Wire	Aluminum	ACS	ACSR/AS	ACS Core	Aluminum	ACS Core	ACSR/AS	lb
Rook	636,000	24 x 0.1628	7 x 0.1085	0.4996	0.06473	0.976	0.326	600	186	786	21986	0.0263
Grosbeak	636,000	26 x 0.1564	7 x 0.1216	0.4996	0.08131	0.990	0.365	600	233	833	24774	0.0260
Scoter	636,000	30 x 0.1456	7 x 0.1456	0.4996	0.11653	1.019	0.437	601	335	936	29902	0.0255
Egret	636,000	30 x 0.1456	19 x 0.0874	0.4996	0.11400	1.019	0.437	601	328	929	29996	0.0255
Swift	636,000	36 x 0.1329	1 x 0.1329	0.4996	0.01387	0.930	0.133	597	40	637	13718	0.0270
Flamingo	666,600	24 x 0.1667	7 x 0.1111	0.5236	0.06787	1.000	0.333	629	195	824	23052	0.0250
Gannet	666,600	26 x 0.1601	7 x 0.1245	0.5236	0.08520	1.014	0.373	629	244	873	25959	0.0248
Starling	715,500	26 x 0.1659	7 x 0.1290	0.5619	0.09151	1.051	0.387	1	263	938	27442	0.0231
Redwing	715,500	30 x 0.1544	19 x 0.0926	0.5619	0.12797	1.081	0.463	677	368	1044	33317	0.0227
Cuckoo	795,000	24 x 0.1820	7 x 0.1213	0.6243	0.08089	1.092	0.364	750	232	982	27256	0.0210
Drake	795,000	26 x 0.1749	7 x 0.1360	0.6243	0.10166	1.107	0.408	750	292	1042	30489	0.0208
Coot	795,000	36 x 0.1486	1 x 0.1486	0.6243	0.01734	1.040	0.149	746	50	796	16638	0.0216
Tern	795,000	45 x 0.1329	7 x 0.0886	0.6243	0.04314	1.063	0.266	750	124	874	21561	0.0214
Condor	795,000	54 x 0.1213	7 x 0.1213	0.6243	0.08089	1.092	0.364	749	232	981	27472	0.0210
Mallard	795,000	30 x 0.1628	19 x 0.0977	0.6243	0.14248	1.140	0.489	752	410	1161	37075	0.0204
Ruddy	900,000	45 x 0.1414	7 x 0.0943	0.7068	0.04889	1.131	0.283	849	140	989	24068	0.0189
Canary	900,000	54 x 0.1291	7 x 0.1291	0.7068	0.09162	1.162	0.387	849	263	1112	30810	0.0186
Catbird	954,000	36 x 0.1628	1 x 0.1628	0.7493	0.02082	1.140	0.163	896	59	956	19772	0.0180
Rail	954,000	45 x 0.1456	7 x 0.0971	0.7493	0.05182	1.165	0.291	900	149	1048	26435	0.0179
Cardinal	954,000	54 x 0.1329	7 x 0.1329	0.7493	0.09712	1.196	0.399	900	278	1178	33584	0.0175
Tanger	1,033,500	36 x 0.1694	1 x 0.1694	0.8117	0.02254	1.186	0.169	970	64	1034	17499	0.0166

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CONDUCTOR DATA SHEET



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

English unit

ACSR/AS Code Name	Conductor Size	Stranding N° x in.		Cross Sectional Area sq.in		Overall Diameter in.		Weight lb/1000 ft			Rated Strength	Maximum dc resistance at 20 °C
		AWG or CM	Aluminum	ACS Wire	Aluminum	ACS	ACSR/AS	ACS Core	Aluminum	ACS Core	ACSR/AS	lb
Ortolan	1,033,500	45 x 0.1515	7 x 0.1010	0.8117	0.05606	1.212	0.303	974	161	1135	28049	0.0165
Curlew	1,033,500	54 x 0.1383	7 x 0.1383	0.8117	0.10517	1.245	0.415	974	301	1276	36417	0.0162
Bluejay	1,113,000	45 x 0.1573	7 x 0.1049	0.8742	0.06048	1.258	0.315	1044	174	1224	30241	0.0153
Finch	1,113,000	54 x 0.1436	19 x 0.0862	0.8742	0.11083	1.293	0.431	1051	319	1370	38726	0.0150
Bunting	1,192,500	45 x 0.1628	7 x 0.1085	0.9365	0.06473	1.302	0.326	1125	186	1310	32388	0.0143
Grackle	1,192,500	54 x 0.1486	19 x 0.0892	0.9365	0.11907	1.337	0.446	1126	341	1467	40830	0.0140
Skylark	1,272,000	36 x 0.1880	1 x 0.1880	0.9990	0.02776	1.316	0.188	1201	79	1280	26952	0.0136
Bittern	1,272,000	45 x 0.1681	7 x 0.1121	0.9990	0.06907	1.345	0.336	1201	198	1399	34546	0.0134
Pheasant	1,272,000	54 x 0.1535	19 x 0.0921	0.9990	0.12654	1.381	0.461	1202	364	1565	43543	0.0131
Dipper	1,351,500	45 x 0.1733	7 x 0.1155	1.0614	0.07336	1.386	0.347	1276	210	1486	36707	0.0126
Martin	1,351,500	54 x 0.1582	19 x 0.0949	1.0614	0.13435	1.424	0.474	1276	386	1662	46236	0.0124
Bobolink	1,431,000	45 x 0.1783	7 x 0.1189	1.1239	0.07772	1.426	0.357	1350	223	1573	38865	0.0119
Plover	1,431,000	54 x 0.1628	19 x 0.0977	1.1239	0.14248	1.465	0.489	1351	410	1761	49006	0.0117
Nuthatch	1,510,500	45 x 0.1832	7 x 0.1221	1.1864	0.08195	1.465	0.366	1425	235	1660	41007	0.0113
Parrot	1,510,000	54 x 0.1672	19 x 0.1003	1.1864	0.15016	1.505	0.502	1425	432	1857	51668	0.0111
Lapwing	1,590,000	45 x 0.1880	7 x 0.1253	1.2488	0.08634	1.504	0.376	1500	248	1748	43193	0.0107
Falcon	1,590,000	54 x 0.1716	19 x 0.1030	1.2488	0.15826	1.544	0.515	1501	455	1956	54446	0.0106
Chukar	1,780,000	84 x 0.1456	19 x 0.0874	1.3979	0.11400	1.602	0.437	1688	328	2016	51645	0.0096
Bluebird	2,156,000	84 x 0.1602	19 x 0.0961	1.6926	0.13783	1.762	0.481	2038	396	2442	61317	0.0079
Kiwi	2,167,000	72 x 0.1735	7 x 0.1157	1.7019	0.07361	1.735	0.347	2055	211	2266	51470	0.0105
Thrasher	2,312,000	76 x 0.1744	19 x 0.0814	1.8166	0.09892	1.802	0.407	2192	285	2476	57805	0.0074

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