



## CONDUCTOR DATA SHEET ALUMINUM CONDUCTORS STEEL REINFORCED ( ACSR )



ENGLISH UNITS

Code Name	Area				Equivalent Copper Area		Stranding and wire diameter		Approx. Overall Diameter	Weight			Rated Strength	Maximum dc resistance at 68 °F	Packing details		
	Aluminium		Steel	Total	AWG or MCM	in <sup>2</sup>	Aluminium	Steel		Aluminium	Steel	Total			lbf	Ω/1000ft	reel size
	AWG or MCM	in <sup>2</sup>	in <sup>2</sup>	in <sup>2</sup>			in	in	lbs/1000 ft	lbs/1000 ft	lbs/1000 ft						
TURKEY	6	0.021	0.0034	0.024	8	0.013	6/0.066	1/0.066	0.198	24.46	11.39	35.845	1186.99	0.6555	NR 42.28	33100	1200
THRUSH	5	0.026	0.0044	0.030	7	0.016	6/0.074	1/0.074	0.223	30.82	14.74	45.560	1501.72	0.5179	NR 42.28	26285	1200
SWAN	4	0.033	0.0055	0.038	6	0.021	6/0.083	1/0.083	0.250	38.86	18.09	56.950	1865.91	0.4116	NR 42.28	26285	1500
SWANATE	4	0.033	0.0083	0.041	6	0.021	7/0.077	1/0.102	0.257	38.86	28.14	67.000	2400.96	0.4128	NR 42.28	22342	1500
SWALLOW	3	0.041	0.0069	0.048	5	0.026	6/0.093	1/0.093	0.281	48.91	23.45	72.360	2295.30	0.3266	NR 42.28	20685	1500
SPARROW	2	0.052	0.0087	0.061	4	0.033	6/0.105	1/0.105	0.315	61.64	29.48	91.120	2852.82	0.2595	NR 42.28	16425	1500
SPARATE	2	0.052	0.0133	0.065	4	0.033	7/0.097	1/0.129	0.324	61.64	44.89	106.530	3628.42	0.2599	NR 42.28	14050	1500
ROBIN	1	0.066	0.0110	0.077	3	0.041	6/0.118	1/0.118	0.354	77.72	36.85	114.570	3554.23	0.2055	NR 42.28	13065	1500
RAVEN	1/0	0.083	0.0138	0.097	2	0.052	6/0.132	1/0.132	0.398	98.49	46.23	144.720	4350.05	0.1629	NR 42.28	10342	1500
QUAIL	2/0	0.104	0.0174	0.122	1	0.066	6/0.148	1/0.148	0.446	123.95	58.29	182.240	5231.30	0.1295	NR 42.28	8215	1500
PIGEON	3/0	0.132	0.0220	0.154	1/0	0.083	6/0.167	1/0.167	0.502	156.78	73.70	230.480	6613.88	0.1024	NR 42.28	6495	1500
PENGUIN	4/0	0.166	0.0277	0.194	2/0	0.105	6/0.187	1/0.187	0.563	196.98	93.13	290.110	8214.52	0.0813	NR 42.28	5160	1500
WAXWING	266.8	0.209	0.0116	0.221	3/0	0.132	18/0.121	1/0.121	0.608	249.24	39.53	288.770	6804.97	0.0646	NR 66.28	14515	4200
OWL	266.8	0.210	0.0273	0.237	3/0	0.132	6/0.211	7/0.070	0.633	248.57	92.46	341.030	9655.54	0.0644	NR 48.28	5820	2000
PARTRIDGE	266.8	0.209	0.0341	0.243	3/0	0.132	26/0.101	7/0.078	0.641	249.91	115.24	365.150	11292.15	0.0653	NR 66.28	12300	4500
OSTRICH	300	0.236	0.0383	0.274	189	0.148	26/0.107	7/0.083	0.680	282.74	129.31	412.050	12712.94	0.0578	NR 66.28	10900	4500
MERLIN	336.4	0.264	0.0147	0.278	4/0	0.166	18/0.136	1/0.136	0.683	314.23	49.58	363.810	8580.96	0.0515	NR 66.28	11520	4200
LINNET	336.4	0.264	0.0431	0.308	4/0	0.166	18/0.113	7/0.088	0.721	316.91	145.39	462.300	14109.01	0.0516	NR 66.28	9715	4500
ORIOLE	336.4	0.264	0.0617	0.326	4/0	0.166	30/0.105	7/0.105	0.741	317.58	208.37	525.950	17406.95	0.0518	NR 66.28	8540	4500
CHICKADEE	397.7	0.311	0.0173	0.329	250	0.196	18/0.148	1/0.148	0.742	371.85	58.29	430.140	9749.96	0.0436	NR 66.28	9745	4200
BRANT	397.5	0.312	0.0405	0.353	250	0.196	24/0.128	7/0.085	0.772	373.86	136.68	510.540	14549.63	0.0437	NR 66.28	8800	4500
IBIS	397.5	0.312	0.0507	0.363	250	0.196	26/0.123	7/0.096	0.783	373.86	171.52	545.380	16197.48	0.0437	NR 66.28	8235	4500
LARK	397.5	0.311	0.0727	0.384	250	0.196	30/0.114	7/0.114	0.805	373.86	245.89	619.750	20300.24	0.0439	NR 66.28	7246	4500
PELICAN	477	0.376	0.0209	0.396	300	0.236	18/0.162	1/0.162	0.815	447.56	70.35	517.910	11757.51	0.0362	NR 66.28	8093	4200
FLICKER	477	0.374	0.0487	0.423	300	0.236	24/0.140	7/0.094	0.846	448.23	164.15	612.380	17260.83	0.0364	NR 66.28	7334	4500
HAWK	477	0.374	0.0612	0.436	300	0.236	26/0.135	7/0.105	0.858	448.23	205.02	653.250	19497.68	0.0364	NR 66.28	6875	4500
HEN	477	0.374	0.0873	0.461	300	0.236	30/0.125	7/0.125	0.882	448.90	294.80	743.700	23640.90	0.0366	NR 66.28	6040	4500
OSPREY	556.5	0.438	0.024	0.462	350	0.267	18/0.176	1/0.175	0.880	521.93	81.74	603.670	13605.43	0.0310	NR 66.28	6940	4200
PARAKEET	556.5	0.438	0.057	0.494	350	0.267	24/0.152	7/0.101	0.914	524.61	191.62	716.230	19848.38	0.0312	RMT 84.45	11150	8000
DOVE	556.5	0.438	0.071	0.509	350	0.267	26/0.146	7/0.113	0.927	524.61	240.53	765.140	22728.18	0.0312	RMT 84.45	10434	8000
			0.000								0.00						

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	Aluminium		Steel	Total	AWG or MCM	in <sup>2</sup>	Aluminium	Steel		Aluminium	Steel	Total			lbf	Ω/1000ft	reel size
	AWG or MCM	in <sup>2</sup>	in <sup>2</sup>	in <sup>2</sup>			in	in	lbs/1000 ft	lbs/1000 ft	lbs/1000 ft						
EAGLE	556.5	0.437	0.102	0.539	350	0.267	30/0.136	7/0.136	0.953	525.28	345.05	870.330	27629.01	0.0313	RMT 84.45	9180	8000
PEACOCK	605	0.474	0.062	0.536	381	0.290	24/0.158	7/0.105	0.953	568.83	208.37	777.200	21550.18	0.0288	RMT 84.45	10275	8000
SQUAB	605	0.474	0.077	0.551	381	0.290	26/0.152	7/0.118	0.965	568.16	260.63	828.790	24639.06	0.0288	RMT 84.45	9630	8000
WOODDUCK	605	0.476	0.111	0.587	381	0.290	30/0.142	7/0.142	0.994	571.51	375.20	946.710	29000.35	0.0287	RMT 84.45	8435	8000
TEAL	605	0.476	0.108	0.584	381	0.290	30/0.142	19/0.085	0.994	571.51	365.15	936.660	30596.49	0.0287	RMT 84.45	8525	8000
KINGBIRD	636	0.501	0.028	0.529	400	0.305	18/0.188	1/0.188	0.941	596.97	93.80	690.770	15673.68	0.0271	RMT 84.45	8850	6130
ROOK	636	0.501	0.065	0.566	400	0.305	24/0.162	7/0.108	0.978	600.32	219.09	819.410	22705.70	0.0273	RMT 84.45	9745	8000
GROSBEAK	636	0.499	0.081	0.580	400	0.305	26/0.156	7/0.121	0.990	597.64	274.70	872.340	25156.12	0.0274	RMT 84.45	9152	8000
SCOTER	636	0.500	0.117	0.617	400	0.305	30/0.145	7/0.145	1.020	600.99	393.96	994.950	30461.61	0.0274	RMT 84.45	8025	8000
EGRET	636	0.500	0.114	0.614	400	0.305	30/0.145	19/0.087	1.020	600.99	385.92	986.910	31608.13	0.0274	RMT 84.45	8090	8000
SWIFT	636	0.500	0.013	0.513	400	0.305	36/0.133	1/0.133	0.930	596.250	46.850	643.100	13800.00	0.0271	RMT 84.45	12425	8000
FLAMINGO	666.6	0.523	0.068	0.591	419	0.319	24/0.166	7/0.111	0.998	626.45	229.14	855.590	23717.34	0.0261	RMT 84.45	9330	8000
COOT	795.0	0.624	0.017	0.641	500	0.381	36/0.148	1/0.148	1.040	744.810	58.549	803.359	16800.00	0.0217	RMT 84.45	9945	8000
GANNET	666.6	0.524	0.085	0.609	419	0.312	26/0.160	7/0.124	1.014	628.46	287.43	915.890	26370.08	0.0260	RMT 84.45	8715	8000
CROW	715.5	0.560	0.073	0.633	450	0.343	54/0.115	7/0.114	1.035	672.01	245.22	917.230	25897.99	0.0243	RMT 84.45	8705	8000
STILT	715.5	0.563	0.073	0.636	450	0.344	24/0.173	7/0.114	1.036	674.69	245.22	919.910	25470.85	0.0242	RMT 84.45	8675	8000
STARLING	715.5	0.561	0.092	0.653	450	0.343	26/0.166	7/0.129	1.050	672.68	309.54	982.220	28303.44	0.0243	RMT 84.45	8125	8000
REDWING	715.5	0.561	0.128	0.689	450	0.343	30/0.154	19/0.092	1.080	674.02	432.15	1106.170	34553.13	0.0244	RMT 84.45	7220	8000
TERN	795	0.626	0.043	0.669	500	0.381	45/0.133	7/0.088	1.064	750.40	145.39	895.790	21912.12	0.0218	RMT 84.45	8910	8000
CONDOR	795	0.624	0.081	0.704	500	0.380	54/0.121	7/0.121	1.091	747.72	272.69	1020.410	27943.75	0.0219	RMT 84.45	7825	8000
CUCKOO	795	0.624	0.081	0.704	500	0.380	24/0.189	7/0.121	1.091	747.72	272.69	1020.410	27831.34	0.0219	RMT 84.45	7825	8000
DRAKE	795	0.624	0.101	0.725	500	0.381	26/0.175	7/0.135	1.107	747.72	342.37	1090.090	31405.80	0.0219	RMT 84.45	7325	8000
MALLARD	795	0.626	0.142	0.768	500	0.381	30/0.163	19/0.097	1.140	751.74	481.06	1232.800	38487.28	0.0219	RMT 84.45	6475	8000
CRANE	874.5	0.686	0.089	0.775	550	0.419	54/0.127	7/0.127	1.144	818.07	300.16	1118.230	30731.38	0.0198	RMT 84.45	7140	8000
RUDDY	900	0.706	0.049	0.755	566	0.431	45/0.141	7/0.094	1.131	849.56	165.49	1015.050	24594.09	0.0193	RMT 84.45	7890	8000
CANARY	900	0.707	0.092	0.799	566	0.431	54/0.129	7/0.129	1.162	847.55	309.54	1157.090	31698.05	0.0193	RMT 84.45	6900	8000
CATBIRD	954	0.749	0.020	0.769	600	0.457	36/0.162	1/0.162	1.139	894.443	70.286	964.729	19757.83	0.0180	RMT 84.45	8275	8000
RAIL	954	0.750	0.052	0.802	600	0.457	45/0.146	7/0.097	1.166	899.14	175.54	1074.680	26100.31	0.0182	RMT 84.45	7430	8000
CARDINAL	954	0.751	0.097	0.848	600	0.459	54/0.133	7/0.133	1.198	899.81	328.97	1228.780	33653.89	0.0182	RMT 84.45	6500	8000
ORLAN	1033.5	0.812	0.056	0.868	650	0.496	45/0.152	7/0.101	1.213	973.51	189.61	1163.120	27718.94	0.0168	RMT 84.45	6865	8000
CURLEW	1033.5	0.815	0.106	0.920	650	0.498	54/0.139	7/0.138	1.247	976.19	356.44	1332.630	36508.97	0.0168	RMT 84.45	5991	8000
BLUEJAY	1113	0.877	0.060	0.937	700	0.535	45/0.157	7/0.104	1.259	1050.56	203.68	1254.240	29832.14	0.0156	RMT 84.45	6365	8000

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	Aluminium		Steel	Total	AWG or MCM	in <sup>2</sup>	Aluminium	Steel		Aluminium	Steel	Total			lbf	Ω/1000ft	reel size
	AWG or MCM	in <sup>2</sup>	in <sup>2</sup>	in <sup>2</sup>			in	in	lbs/1000 ft	lbs/1000 ft	lbs/1000 ft						
FINCH	1113	0.876	0.111	0.987	700	0.535	54/0.144	19/0.086	1.293	1054.58	375.20	1429.780	39251.63	0.0157	RMT 84.45	5585	8000
BUNTING	1192.5	0.939	0.065	1.004	750	0.574	45/0.163	7/0.109	1.337	1125.60	219.09	1344.690	32012.79	0.0145	RMT 84.45	5937	8000
GRACKLE	1192.5	0.934	0.119	1.054	750	0.570	54/0.148	19/0.089	1.159	1125.60	402.67	1528.270	41409.80	0.0147	RMT 84.45	5225	8000
SKYLARK	1272	0.999	0.028	1.027	800	0.609	36/0.188	1/0.188	1.316	1192.00	94.00	1286.000	26400.00	0.0135	RMT 84.45	6180	8000
BITTERN	1272	0.999	0.069	1.068	800	0.609	45/0.168	7/0.112	1.345	1197.29	233.83	1431.120	34036.07	0.0137	RMT 84.45	5579	8000
PHEASANT	1272	1.000	0.127	1.127	800	0.611	54/0.153	19/0.092	1.382	1203.99	428.80	1632.790	43635.41	0.0137	RMT 84.45	5576	8000
DIPPER	1351.5	1.061	0.073	1.133	850	0.646	45/0.173	7/0.115	1.384	1270.99	245.22	1516.210	36036.87	0.0129	RMT 84.45	5265	8000
MARTIN	1351.5	1.062	0.134	1.197	850	0.648	54/0.158	19/0.095	1.424	1279.70	454.26	1733.960	46333.11	0.0129	RMT 96.60	8920	15500
BOBOLINK	1431	1.124	0.078	1.202	900	0.685	45/0.178	7/0.118	1.427	1347.37	262.64	1610.010	37902.78	0.0121	RMT 96.60	9600	15500
PLOVER	1431	1.127	0.142	1.269	900	0.687	54/0.163	19/0.098	1.466	1356.75	481.73	1838.480	49098.26	0.0122	RMT 96.60	8415	15500
NUTHATCH	1510.5	1.185	0.082	1.266	950	0.722	45/0.183	7/0.122	1.465	1419.73	276.71	1696.440	39926.06	0.0115	RMT 96.60	9120	15500
PARROT	1510.5	1.187	0.150	1.338	950	0.724	54/0.167	19/0.100	1.506	1429.78	509.20	1938.980	51818.45	0.0115	RMT 96.60	7975	15500
LAPWING	1590	1.246	0.086	1.333	1000	0.761	45/0.188	7/0.125	1.502	1494.10	284.08	1778.180	42016.78	0.0109	RMT 96.60	8666	15500
FALCON	1590	1.250	0.159	1.408	1000	0.763	54/0.172	19/0.103	1.546	1504.82	537.34	2042.160	54628.56	0.0110	RMT 96.60	7575	15500
CHUKER	1780	1.400	0.114	1.514	1119	0.854	84/0.146	19/0.087	1.602	1685.72	385.92	2071.640	51211.47	0.0098	RMT 96.60	7466	15500
BLUEBIRD	2156	1.692	0.137	1.829	1350	1.032	84/0.160	19/0.096	1.762	2035.143	468.103	2503.246	60300.00	0.0080	RMT 96.60	6160	15500
KIWI	2167	1.701	0.073	1.774	1350	1.037	72/0.173	7/0.115	1.735	2051.918	249.299	2301.217	49800.00	0.0080	RMT 96.60	6730	15500
THRASHER	2312	1.816	0.098	1.914	1445	1.108	76/0.174	19/0.081	1.802	2188.131	336.582	2524.713	56700.00	0.0075	RMT 96.60	6129	15500
JOREE	2515	1.975	0.106	2.081	1570	1.205	76/0.1819	19/0.0849	1.880	2384.00	364.80	2749.000	61700.00	0.0069	RMT 96.60	5600	15500
GROUSE	80	0.063	0.022	0.085	50	0.039	8/0.1	1/0.167	0.367	74.37	73.70	148.070	5184.09	0.2161	NR 42.28	10110	1500
PETREL	101.8	0.080	0.047	0.127	64	0.050	12/0.092	7/0.092	0.461	95.81	157.45	253.260	10377.18	0.1706	NR 42.28	5910	1500
MINORCA	110.8	0.087	0.051	0.138	70	0.053	12/0.096	7/0.096	0.480	103.85	171.52	275.370	11283.16	0.1569	NR 42.28	5436	1500
LEGHORN	134.6	0.106	0.062	0.167	85	0.065	12/0.105	7/0.106	0.530	126.63	208.37	335.000	13639.16	0.1291	NR 42.28	4470	1500
GUINEA	159	0.125	0.073	0.197	100	0.076	12/0.115	7/0.115	0.575	149.41	245.89	395.300	15983.91	0.1095	NR 42.28	3787	1500
DOTTEREL	176.9	0.139	0.081	0.219	111	0.085	12/0.121	7/0.121	0.606	166.16	273.36	439.520	17238.35	0.0985	NR 42.28	3405	1500
DORKING	190.8	0.150	0.087	0.237	120	0.091	12/0.126	7/0.126	0.630	178.89	294.80	473.690	18607.43	0.0912	NR 42.28	3160	1500
COCHIN	211.3	0.166	0.097	0.263	133	0.101	12/0.133	7/0.133	0.663	198.32	326.96	525.280	20635.21	0.0823	NR 42.28	2850	1500
BRAHMA	203.2	0.159	0.142	0.302	128	0.098	16/0.113	19/0.098	0.713	190.95	481.06	672.010	28442.82	0.0856	NR 42.28	2225	1500

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