ACSR

Aluminum Conductor, Steel Reinforced

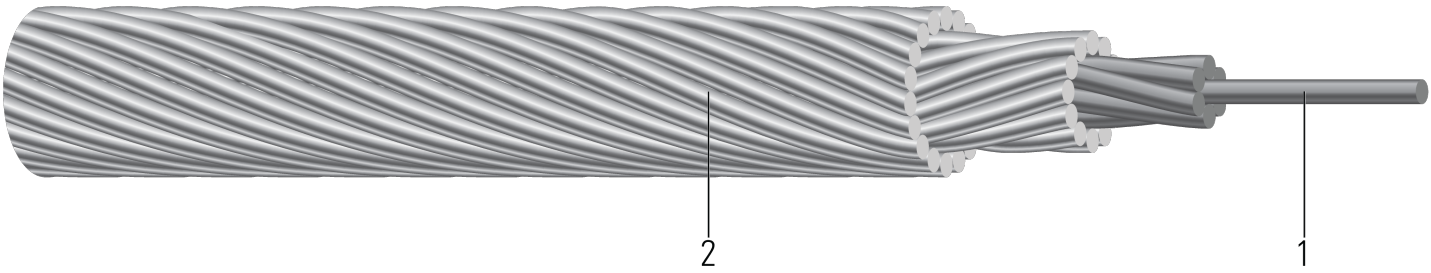


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Core:** Stranded standard strength steel core with Class A hot dipped zinc galvanization coating (also available in zinc-5% aluminum-mischmetal alloy coating)
2. **Stranding:** Hard-drawn aluminum (1350-H19) round wire shaped strands with 61.2% conductivity

APPLICATIONS AND FEATURES:

ACSR (Aluminum Conductor, Steel Reinforced) is a concentrically stranded conductor consisting of one or more layers of hard-drawn aluminum (1350-H19) wires surrounding a galvanized (GA) or mischmetal (MA) steel core. The aluminum strands provide efficient electrical conductivity, while the steel core supplies high tensile strength and improved sag performance. ACSR is widely used for overhead transmission and distribution applications where a combination of ampacity, strength, and economical design is required.

Continuous operating temperature - 75°C
Emergency operating temperature - 100°C

SPECIFICATIONS:

- ASTM B230 Standard Specification for Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B232 Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- ASTM B498 Standard Specification for Zinc-Coated (Galvanized) Steel Core Wire for Use in Overhead Electrical Conductors
- ASTM B802 Standard Specification for Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Use in Overhead Electrical Conductors

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Weights, Measurements, Electrical and Engineering Data

Stock Number	Code Word	Conductor Size	Stranding	Cross-Sectional Area		Layers of Al	Diameter				Weight		Rated Breaking Strength	DC Resistance @ 20°C
				Al	Total		Individual Strands		Steel Core	Complete Conductor	Al	Total		
							Al	St						
		AWG/kcmil	Al/St	in²	in²		in	in	in	in	lb/ 1000ft	lb/ 1000ft	lb	Ω/mile
TBA	TURKEY	6	6/1	0.0206	0.0240	1	0.0661	0.0661	0.0661	0.198	24.46	35.92	1,190	3.3884
TBA	THRUSH	5	6/1	0.0260	0.0303	1	0.0743	0.0743	0.0743	0.223	30.88	45.38	1,490	2.6845
TBA	SWAN	4	6/1	0.0328	0.0383	1	0.0834	0.0834	0.0834	0.250	38.95	57.50	1,860	2.1273
TBA	SWANATE	4	7/1	0.0328	0.0411	1	0.0772	0.1029	0.1029	0.257	38.95	66.94	2,360	2.1040
TBA	SWALLOW	3	6/1	0.0413	0.0482	1	0.0936	0.0936	0.0936	0.281	49.05	72.32	2,290	1.6896
TBA	SPARROW	2	6/1	0.0522	0.0609	1	0.1052	0.1052	0.1052	0.316	61.99	91.33	2,850	1.3369
TBA	SPARATE	2	7/1	0.0522	0.0655	1	0.0974	0.1299	0.1299	0.325	61.99	106.8	3,640	1.3218
TBA	ROBIN	1	6/1	0.0657	0.0767	1	0.1181	0.1181	0.1181	0.354	78.02	115.1	3,550	1.0621
TBA	RAVEN	1/0	6/1	0.0830	0.0968	1	0.1327	0.1327	0.1327	0.398	98.57	145.1	4,380	0.8408
TBA	QUAIL	2/0	6/1	0.1045	0.1219	1	0.1489	0.1489	0.1489	0.447	124.1	182.8	5,300	0.6678
TBA	BOBWHITE	2/0	7/1	0.1045	0.1311	1	0.1379	0.1839	0.1839	0.460	124.1	213.8	6,840	0.6603
TBA	PIGEON	3/0	6/1	0.1317	0.1537	1	0.1672	0.1672	0.1672	0.502	156.4	230.6	6,620	0.5299
TBA	PENGUIN	4/0	6/1	0.1662	0.1939	1	0.1878	0.1878	0.1878	0.563	197.4	290.8	8,350	0.4199
TBA	VULTURE	4/0	5/1	0.1662	0.1810	1	0.2057	0.1371	0.1371	0.549	197.4	247.3	6,380	0.4242
TBA	BARBET	4/0	18/1	0.1661	0.1753	2	0.1084	0.1084	0.1084	0.542	198.2	229.2	5,660	0.4284
TBA	BANTAM	13.125	3/4	0.0103	0.0240	0.5	0.0661	0.0661	---	0.198	12.23	58.93	2,790	5.8959
TBA	MAGPIE	20.87	3/4	0.0164	0.0383	0.5	0.0834	0.0834	---	0.250	19.48	94.14	4,420	3.7008
TBA	SHRIKE	33.185	3/4	0.0261	0.0609	0.5	0.1052	0.1052	---	0.316	31.00	149.6	6,830	2.3259
TBA	SNIPE	52.77	3/4	0.0414	0.0966	0.5	0.1326	0.1326	---	0.398	49.16	237.4	10,500	1.4663
TBA	ALBATROSS	54.95	7/1	0.0432	0.0542	1	0.0886	0.1181	0.1181	0.295	51.30	88.39	3,080	1.5972
TBA	SHOEBILL	57.50	3/4	0.0451	0.1053	0.5	0.1384	0.1384	---	0.415	53.56	258.8	11,500	1.3458
TBA	LOON	66.54	3/4	0.0522	0.1219	0.5	0.1489	0.1489	---	0.447	61.99	299.6	12,600	1.1627
TBA	GROUSE	80.00	8/1	0.0628	0.0846	1	0.1000	0.1667	0.1667	0.367	74.95	148.5	5,190	1.0909
TBA	PETREL	101.8	12/7	0.0799	0.1265	1	0.0921	0.0921	0.2763	0.461	95.82	253.6	10,400	0.8364
TBA	MINORCA	110.8	12/7	0.0870	0.1378	1	0.0961	0.0961	0.2883	0.481	104.3	276.3	11,300	0.7681
TBA	LEGHORN	134.6	12/7	0.1057	0.1674	1	0.1059	0.1059	0.3177	0.530	126.8	335.7	13,600	0.6322
TBA	GUINEA	159.0	12/7	0.1249	0.1977	1	0.1151	0.1151	0.3453	0.576	149.8	396.3	16,000	0.5351
TBA	DOTTEREL	176.9	12/7	0.1389	0.2199	1	0.1214	0.1214	0.3642	0.607	166.6	440.8	17,300	0.4811
TBA	DORKING	190.8	12/7	0.1499	0.2373	1	0.1261	0.1261	0.3783	0.631	179.8	475.7	18,700	0.4458
TBA	AUK	203.0	8/7	0.1594	0.2025	1	0.1593	0.0885	0.2655	0.584	190.2	336.1	11,500	0.4341
TBA	BRAHMA	203.2	16/19	0.1596	0.3020	1	0.1127	0.0977	0.4885	0.714	191.4	674.5	28,400	0.4034
TBA	COCHIN	211.3	12/7	0.1660	0.2628	1	0.1327	0.1327	0.3981	0.664	199.1	526.8	20,700	0.4026
TBA	JAEGER	228.2	18/1	0.1792	0.1892	2	0.1126	0.1126	0.1126	0.563	213.9	247.6	6,020	0.3970
TBA	OWL	266.8	6/7	0.2096	0.2368	1	0.2109	0.0703	0.2109	0.633	248.9	341.0	9,680	0.3346
TBA	WAXWING	266.8	18/1	0.2094	0.2210	2	0.1217	0.1217	0.1217	0.609	249.9	289.0	6,880	0.3398
TBA	SPOONBILL	266.8	22/7	0.2095	0.2301	2	0.1101	0.0612	0.1836	0.624	251.2	320.9	8,720	0.3394
TBA	SCAUP	266.8	24/7	0.2094	0.2366	2	0.1054	0.0703	0.2109	0.633	251.1	343.2	10,000	0.3381
TBA	PARTRIDGE	266.8	26/7	0.2095	0.2436	2	0.1013	0.0788	0.2364	0.642	251.2	366.6	11,300	0.3365

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				Al	Total		Individual Strands		Steel Core	Complete Conductor	Al	Total		
		AWG/kcmil	Al/St	in²	in²		Al in	St in	in	in	lb/1000ft	lb/1000ft	lb	Ω/mile
TBA	JUNCO	266.8	30/7	0.2095	0.2584	2	0.0943	0.0943	0.2829	0.660	251.9	417.5	13,900	0.3342
TBA	EIDER	266.8	45/7	0.2095	0.2240	3	0.0770	0.0513	0.1539	0.616	251.2	300.3	7,980	0.3407
TBA	RHEA	286.2	18/19	0.2248	0.4621	1	0.1261	0.1261	0.6305	0.883	269.6	1075.0	45,100	0.2809
TBA	PHOEBE	300.0	18/1	0.2356	0.2487	2	0.1291	0.1291	0.1291	0.646	281.2	325.4	7,740	0.3020
TBA	GADWALL	300.0	24/7	0.2356	0.2661	2	0.1118	0.0745	0.2235	0.671	282.5	385.8	11,200	0.3005
TBA	OSTRICH	300.0	26/7	0.2355	0.2738	2	0.1074	0.0835	0.2505	0.680	282.4	412.1	12,700	0.2994
TBA	PIPER	300.0	30/7	0.2356	0.2906	2	0.1000	0.1000	0.3000	0.700	283.2	469.4	15,700	0.2972
TBA	MERLIN	336.4	18/1	0.2642	0.2789	2	0.1367	0.1367	0.1367	0.684	315.3	364.9	8,680	0.2693
TBA	TROGON	336.4	20/7	0.2642	0.2824	2	0.1297	0.0576	0.1728	0.692	316.8	378.4	9,470	0.2702
TBA	WOODCOCK	336.4	22/7	0.2644	0.2903	2	0.1237	0.0687	0.2061	0.701	317.1	404.8	10,900	0.2689
TBA	WIDGEON	336.4	24/7	0.2642	0.2984	2	0.1184	0.0789	0.2367	0.710	316.8	432.6	12,500	0.2680
TBA	LINNET	336.4	26/7	0.2640	0.3070	2	0.1137	0.0884	0.2652	0.720	316.6	462.2	14,100	0.2670
TBA	ORIOLE	336.4	30/7	0.2642	0.3259	2	0.1059	0.1059	0.3177	0.741	317.6	526.5	17,300	0.2650
TBA	HUMMINGBIRD	336.4	45/7	0.2644	0.2827	3	0.0865	0.0577	0.1731	0.692	317.1	379.1	9,960	0.2699
TBA	CHICKADEE	397.5	18/1	0.3122	0.3295	2	0.1486	0.1486	0.1486	0.743	372.6	430.9	9,940	0.2279
TBA	PTARMIGAN	397.5	20/7	0.3123	0.3339	2	0.1410	0.0627	0.1881	0.752	374.5	447.6	11,100	0.2285
TBA	STORK	397.5	22/7	0.3121	0.3428	2	0.1344	0.0747	0.2241	0.762	374.3	478.2	12,900	0.2278
TBA	BRANT	397.5	24/7	0.3122	0.3527	2	0.1287	0.0858	0.2574	0.772	374.4	511.5	14,600	0.2268
TBA	IBIS	397.5	26/7	0.3120	0.3628	2	0.1236	0.0961	0.2883	0.783	374.2	546.2	16,300	0.2260
TBA	LARK	397.5	30/7	0.3121	0.3849	2	0.1151	0.1151	0.3453	0.806	375.2	621.7	20,300	0.2244
TBA	ERNE	397.5	42/7	0.3123	0.3284	3	0.0973	0.0541	0.1623	0.746	374.5	429.0	10,600	0.2291
TBA	LONGSPUR	397.5	45/7	0.3123	0.3339	3	0.0940	0.0627	0.1881	0.752	374.5	447.6	11,600	0.2285
TBA	PINTAIL	419.0	30/7	0.3292	0.4060	2	0.1182	0.1182	0.3546	0.827	395.8	655.8	21,400	0.2127
TBA	PELICAN	477.0	18/1	0.3747	0.3955	2	0.1628	0.1628	0.1628	0.814	447.2	517.3	11,800	0.1899
TBA	TAILORBIRD	477.0	20/7	0.3745	0.4004	2	0.1544	0.0686	0.2058	0.823	449.1	536.8	13,100	0.1906
TBA	TOUCAN	477.0	22/7	0.3744	0.4112	2	0.1472	0.0818	0.2454	0.834	449.0	573.6	15,200	0.1899
TBA	FLICKER	477.0	24/7	0.3747	0.4233	2	0.1410	0.0940	0.2820	0.846	449.4	613.9	17,200	0.1890
TBA	HAWK	477.0	26/7	0.3744	0.4354	2	0.1354	0.1053	0.3159	0.858	449.0	655.5	19,500	0.1883
TBA	HEN	477.0	30/7	0.3747	0.4621	2	0.1261	0.1261	0.3783	0.883	450.5	746.4	23,800	0.1869
TBA	KESTREL	477.0	42/7	0.3748	0.3941	3	0.1066	0.0592	0.1776	0.817	449.5	514.8	12,400	0.1909
TBA	JACKDAW	477.0	45/7	0.3750	0.4009	3	0.1030	0.0687	0.2061	0.824	449.7	537.4	13,600	0.1903
TBA	HERON	500.0	30/7	0.3927	0.4843	2	0.1291	0.1291	0.3873	0.904	472.1	782.2	25,000	0.1783
TBA	NIGHTINGALE	517.0	20/7	0.4062	0.4343	2	0.1608	0.0715	0.2145	0.858	487.1	582.2	14,200	0.1757
TBA	OSPREY	556.5	18/1	0.4369	0.4612	2	0.1758	0.1758	0.1758	0.879	521.4	603.3	13,700	0.1629
TBA	TODY	556.5	20/7	0.4370	0.4672	2	0.1668	0.0741	0.2223	0.890	524.1	626.3	15,300	0.1633
TBA	SAPSUCKER	556.5	22/7	0.4368	0.4797	2	0.1590	0.0883	0.2649	0.901	523.8	669.0	17,600	0.1628
TBA	PARAKEET	556.5	24/7	0.4372	0.4938	2	0.1523	0.1015	0.3045	0.914	524.3	715.9	19,800	0.1620
TBA	DOVE	556.5	26/7	0.4371	0.5083	2	0.1463	0.1138	0.3414	0.927	524.2	765.2	22,600	0.1613
TBA	EAGLE	556.5	30/7	0.4371	0.5391	2	0.1362	0.1362	0.4086	0.953	525.5	870.8	27,800	0.1602
TBA	BLACKBIRD	556.5	42/7	0.4370	0.4594	3	0.1151	0.0639	0.1917	0.882	524.1	599.9	14,200	0.1637
TBA	SUNBIRD	556.5	45/7	0.4370	0.4672	3	0.1112	0.0741	0.2223	0.890	524.1	626.3	15,600	0.1633
TBA	PEACOCK	605.0	24/7	0.4753	0.5370	2	0.1588	0.1059	0.3177	0.953	570.0	778.9	21,600	0.1490

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				Al	Total		Individual Strands		Steel Core	Complete Conductor	Al	Total		
		AWG/kcmil	Al/St	in²	in²		Al in	St in	in	in	lb/1000ft	lb/1000ft	lb	Ω/mile
TBA	SQUAB	605.0	26/7	0.4749	0.5522	2	0.1525	0.1186	0.3558	0.966	569.5	831.2	24,300	0.1485
TBA	WOOD DUCK	605.0	30/7	0.4751	0.5860	2	0.1420	0.1420	0.4260	0.994	571.2	946.7	28,900	0.1474
TBA	TEAL	605.0	30/19	0.4751	0.5834	2	0.1420	0.0852	0.4260	0.994	571.2	938.6	30,000	0.1475
TBA	SANDPIPER	605.0	45/7	0.4756	0.5085	3	0.1160	0.0773	0.2319	0.928	570.4	681.8	17,000	0.1501
TBA	DUCK	605.0	54/7	0.4747	0.5362	3	0.1058	0.1058	0.3174	0.952	569.3	777.5	22,200	0.1492
TBA	KINGBIRD	636.0	18/1	0.4997	0.5275	2	0.1880	0.1880	0.1880	0.940	596.3	690.0	15,700	0.1424
TBA	SWIFT	636.0	36/1	0.4994	0.5133	3	0.1329	0.1329	0.1329	0.930	596.0	642.9	13,800	0.1430
TBA	TURACOS	636.0	20/7	0.4994	0.5339	2	0.1783	0.0792	0.2376	0.951	598.9	715.7	17,400	0.1429
TBA	GOLDFINCH	636.0	22/7	0.4994	0.5484	2	0.1700	0.0944	0.2832	0.963	598.9	764.8	19,800	0.1424
TBA	ROOK	636.0	24/7	0.4996	0.5643	2	0.1628	0.1085	0.3255	0.977	599.1	818.1	22,600	0.1417
TBA	GROSBEAK	636.0	26/7	0.4995	0.5808	2	0.1564	0.1216	0.3648	0.990	599.0	874.2	25,200	0.1411
TBA	SCOTER	636.0	30/7	0.4995	0.6160	2	0.1456	0.1456	0.4368	1.019	600.5	994.9	30,400	0.1402
TBA	EGRET	636.0	30/19	0.4995	0.6135	2	0.1456	0.0874	0.4370	1.019	600.5	987.2	31,500	0.1403
TBA	PIPIT	636.0	42/7	0.4999	0.5256	3	0.1231	0.0684	0.2052	0.944	599.5	686.5	16,100	0.1431
TBA	KILLDEER	636.0	45/7	0.4997	0.5343	3	0.1189	0.0793	0.2379	0.951	599.3	716.4	17,900	0.1428
TBA	GOOSE	636.0	54/7	0.4993	0.5640	3	0.1085	0.1085	0.3255	0.977	598.8	817.8	23,300	0.1418
TBA	EDISON BIRD	653.9	18/3	0.5136	0.5319	2	0.1906	0.0882	0.1905	0.762	612.9	675.5	14,800	0.1389
TBA	FLAMINGO	666.6	24/7	0.5238	0.5917	2	0.1667	0.1111	0.3333	1.000	628.2	858.1	23,700	0.1352
TBA	GANNET	666.6	26/7	0.5234	0.6086	2	0.1601	0.1245	0.3735	1.014	627.7	916.1	26,400	0.1347
TBA	CROSSBILL	666.6	45/7	0.5235	0.5597	3	0.1217	0.0811	0.2433	0.974	627.8	750.4	18,500	0.1363
TBA	GULL	666.6	54/7	0.5235	0.5914	3	0.1111	0.1111	0.3333	1.000	627.8	857.7	24,200	0.1353
TBA	STILT	715.5	24/7	0.5622	0.6350	2	0.1727	0.1151	0.3453	1.036	674.2	920.7	25,500	0.1259
TBA	STARLING	715.5	26/7	0.5620	0.6535	2	0.1659	0.1290	0.3870	1.051	674.0	983.8	28,400	0.1254
TBA	BUTEO	715.5	30/7	0.5617	0.6928	2	0.1544	0.1544	0.4632	1.081	675.3	1119.0	33,900	0.1247
TBA	REDWING	715.5	30/19	0.5617	0.6897	2	0.1544	0.0926	0.4630	1.081	675.3	1110	34,600	0.1248
TBA	GREBE	715.5	45/7	0.5620	0.6009	3	0.1261	0.0841	0.2523	1.009	674.0	806	19,900	0.1270
TBA	CROW	715.5	54/7	0.5619	0.6347	3	0.1151	0.1151	0.3453	1.036	673.9	920.4	26,000	0.1260
TBA	COOT	795.0	36/1	0.6244	0.6417	3	0.1486	0.1486	0.1486	1.040	745.2	803.5	16,800	0.1144
TBA	TURBIT	795.0	20/7	0.6246	0.6678	2	0.1994	0.0886	0.2658	1.063	749.1	895.4	21,800	0.1143
TBA	PUFFIN	795.0	22/7	0.6244	0.6857	2	0.1901	0.1056	0.3168	1.077	748.8	956.3	24,800	0.1139
TBA	CUCKOO	795.0	24/7	0.6244	0.7053	2	0.1820	0.1213	0.3639	1.092	748.8	1023	27,900	0.1134
TBA	DRAKE	795.0	26/7	0.6247	0.7264	2	0.1749	0.1360	0.4080	1.108	749.2	1094	31,500	0.1129
TBA	SKIMMER	795.0	30/7	0.6245	0.7702	2	0.1628	0.1628	0.4884	1.140	750.8	1244	37,700	0.1121
TBA	MALLARD	795.0	30/19	0.6245	0.7669	2	0.1628	0.0977	0.4885	1.140	750.8	1234	38,400	0.1122
TBA	MACAW	795.0	42/7	0.6246	0.6567	3	0.1376	0.0764	0.2292	1.055	749.1	857.8	20,100	0.1145
TBA	TERN	795.0	45/7	0.6242	0.6674	3	0.1329	0.0886	0.2658	1.063	748.6	894.9	22,100	0.1143
TBA	CONDOR	795.0	54/7	0.6240	0.7049	3	0.1213	0.1213	0.3639	1.092	748.3	1022	28,200	0.1135
TBA	WILLET	874.5	45/7	0.6868	0.7342	3	0.1394	0.0929	0.2787	1.115	823.6	984	24,100	0.1039
TBA	CRANE	874.5	54/7	0.6873	0.7764	3	0.1273	0.1273	0.3819	1.146	824.2	1126	31,000	0.1030
TBA	TURNSTONE	900.0	20/7	0.7066	0.7555	2	0.2121	0.0943	0.2829	1.131	847.4	1013	24,100	0.1010
TBA	REDSTART	900.0	24/7	0.7065	0.7981	2	0.1936	0.1291	0.3873	1.162	847.3	1157	31,600	0.1002
TBA	BALDPATE	900.0	30/7	0.7068	0.8717	2	0.1732	0.1732	0.5196	1.212	849.7	1408	42,700	0.0991

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Stock Number	Code Word	Conductor Size	Stranding	Cross-Sectional Area		Layers of Al	Diameter				Weight		Rated Breaking Strength	DC Resistance @ 20°C
				Al	Total		Individual Strands		Steel Core	Complete Conductor	Al	Total		
		AWG/kcmil	Al/St	in²	in²		Al in	St in	in	in	lb/1000ft	lb/1000ft	lb	Ω/mile
TBA	RUDDY	900.0	45/7	0.7066	0.7555	3	0.1414	0.0943	0.2829	1.131	847.4	1013	24,400	0.1010
TBA	CANARY	900.0	54/7	0.7069	0.7985	3	0.1291	0.1291	0.3873	1.162	847.7	1158	31,900	0.1002
TBA	CATBIRD	954.0	36/1	0.7494	0.7702	3	0.1628	0.1628	0.1628	1.140	894.3	964	19,800	0.0953
TBA	CORNCRAKE	954.0	20/7	0.7492	0.8010	2	0.2184	0.0971	0.2913	1.165	898.5	1074	25,600	0.0953
TBA	REDBIRD	954.0	24/7	0.7495	0.8466	2	0.1994	0.1329	0.3987	1.196	898.8	1228	33,500	0.0945
TBA	MERGANSER	954.0	30/7	0.7491	0.9239	2	0.1783	0.1783	0.5349	1.248	900.5	1492	45,200	0.0935
TBA	CANVASBACK	954.0	30/19	0.7491	0.9199	2	0.1783	0.1070	0.5350	1.248	900.5	1480	46,100	0.0935
TBA	PHOENIX	954.0	42/7	0.7491	0.7876	3	0.1507	0.0837	0.2511	1.155	898.4	1029	23,400	0.0955
TBA	RAIL	954.0	45/7	0.7492	0.8010	3	0.1456	0.0971	0.2913	1.165	898.5	1074	25,900	0.0953
TBA	TOWHEE	954.0	48/7	0.7495	0.8157	3	0.1410	0.1097	0.3291	1.175	898.8	1123	28,500	0.0950
TBA	CARDINAL	954.0	54/7	0.7491	0.8462	3	0.1329	0.1329	0.3987	1.196	898.4	1227	33,800	0.0945
TBA	VIREO	1027.4	48/7	0.8069	0.8781	3	0.1463	0.1138	0.3414	1.219	967.7	1209	30,600	0.0882
TBA	TANAGER	1033.5	36/1	0.8114	0.8339	3	0.1694	0.1694	0.1694	1.186	968.3	1044	21,400	0.0880
TBA	SNOWBIRD	1033.5	42/7	0.8121	0.8539	3	0.1569	0.0872	0.2616	1.203	973.9	1115	25,400	0.0881
TBA	ORTOLAN	1033.5	45/7	0.8112	0.8673	3	0.1515	0.1010	0.3030	1.212	972.8	1163	27,700	0.0880
TBA	WHOOPER	1033.5	48/7	0.8113	0.8829	3	0.1467	0.1141	0.3423	1.223	973.0	1215	30,800	0.0878
TBA	CURLEW	1033.5	54/7	0.8112	0.9164	3	0.1383	0.1383	0.4149	1.245	972.8	1329	36,600	0.0873
TBA	AVOCET	1113.0	42/7	0.8743	0.9192	3	0.1628	0.0904	0.2712	1.248	1049	1201	27,100	0.0818
TBA	BLUEJAY	1113.0	45/7	0.8745	0.9350	3	0.1573	0.1049	0.3147	1.259	1049	1254	29,800	0.0816
TBA	BULLFINCH	1113.0	48/7	0.8744	0.9516	3	0.1523	0.1185	0.3555	1.269	1049	1310	32,800	0.0814
TBA	FINCH	1113.0	54/19	0.8746	0.9855	3	0.1436	0.0862	0.4310	1.293	1054	1430	39,100	0.0814
TBA	OXBIRD	1192.5	42/7	0.9366	0.9848	3	0.1685	0.0936	0.2808	1.292	1123	1286	29,000	0.0764
TBA	BUNTING	1192.5	45/7	0.9367	1.0014	3	0.1628	0.1085	0.3255	1.302	1123	1342	32,000	0.0762
TBA	CORMORANT	1192.5	48/7	0.9364	1.0190	3	0.1576	0.1226	0.3678	1.313	1123	1403	34,700	0.0760
TBA	GRACKLE	1192.5	54/19	0.9365	1.0552	3	0.1486	0.0892	0.4460	1.338	1129	1532	41,900	0.0760
TBA	SKYLARK	1272.0	36/1	0.9993	1.0271	3	0.1880	0.1880	0.1880	1.316	1193	1287	26,400	0.0715
TBA	SCISSORTAIL	1272.0	42/7	0.9987	1.0501	3	0.1740	0.0967	0.2901	1.334	1198	1372	30,900	0.0716
TBA	BITTERN	1272.0	45/7	0.9987	1.0678	3	0.1681	0.1121	0.3363	1.345	1198	1432	34,100	0.0715
TBA	DIVER	1272.0	48/7	0.9992	1.0873	3	0.1628	0.1266	0.3798	1.357	1198	1496	37,000	0.0713
TBA	PHEASANT	1272.0	54/19	0.9993	1.1259	3	0.1535	0.0921	0.4605	1.382	1204	1634	43,600	0.0712
TBA	FRIGATE	1351.5	22/7	1.0619	1.1661	2	0.2479	0.1377	0.4131	1.405	1273	1626	41,200	0.0670
TBA	RINGDOVE	1351.5	42/7	1.0617	1.1163	3	0.1794	0.0997	0.2991	1.376	1273	1458	32,900	0.0674
TBA	DIPPER	1351.5	45/7	1.0614	1.1347	3	0.1733	0.1155	0.3465	1.386	1273	1521	36,200	0.0672
TBA	MARTIN	1351.5	54/19	1.0614	1.1958	3	0.1582	0.0949	0.4745	1.424	1279	1735	46,300	0.0671
TBA	POPINJAY	1431.0	42/7	1.1241	1.1820	3	0.1846	0.1026	0.3078	1.415	1348	1544	34,800	0.0636
TBA	BOBOLINK	1431.0	45/7	1.1236	1.2013	3	0.1783	0.1189	0.3567	1.427	1347	1610	38,300	0.0635
TBA	WAGTAIL	1431.0	48/7	1.1244	1.2236	3	0.1727	0.1343	0.4029	1.439	1348	1684	41,700	0.0633
TBA	PLOVER	1431.0	54/19	1.1241	1.2665	3	0.1628	0.0977	0.4885	1.465	1355	1838	49,100	0.0633
TBA	NUTHATCH	1510.5	45/7	1.1862	1.2682	3	0.1832	0.1221	0.3663	1.466	1423	1701	40,100	0.0602
TBA	PARROT	1510.5	54/19	1.1856	1.3357	3	0.1672	0.1003	0.5015	1.505	1429	1938	51,700	0.0600
TBA	RATITE	1590.0	42/7	1.2492	1.3134	3	0.1946	0.1081	0.3243	1.492	1498	1715	38,700	0.0573
TBA	LAPWING	1590.0	45/7	1.2492	1.3355	3	0.1880	0.1253	0.3759	1.504	1498	1790	42,200	0.0571

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				Al	Total		Individual Strands		Steel Core	Complete Conductor	Al	Total		
		AWG/kcmil	Al/St	in²	in²		Al in	St in	in	in	lb/1000ft	lb/1000ft	lb	Ω/mile
TBA	HORNBILL	1590.0	48/7	1.2487	1.3589	3	0.1820	0.1416	0.4248	1.517	1498	1871	45,300	0.0570
TBA	FALCON	1590.0	54/19	1.2489	1.4072	3	0.1716	0.1030	0.5150	1.545	1505	2042	54,500	0.0570
TBA	SMEW	1780.0	76/19	1.3973	1.4734	4	0.1530	0.0714	0.3570	1.581	1684	1942	43,600	0.0514
TBA	CHUKAR	1780.0	84/19	1.3986	1.5126	4	0.1456	0.0874	0.4370	1.602	1685	2072	51,000	0.0512
TBA	WOODPECKER	1843.0	72/7	1.4476	1.5102	4	0.1600	0.1067	0.3201	1.600	1745	1957	42,400	0.0497
TBA	SEAHAWK	1869.0	68/7	1.4681	1.5147	4	0.1658	0.0921	0.2763	1.603	1769	1927	40,000	0.0491
TBA	MYNAH	2000.0	84/19	1.5707	1.6987	4	0.1543	0.0926	0.4630	1.697	1893	2327	55,900	0.0456
TBA	MOCKINGBIRD	2034.5	72/7	1.5979	1.6670	4	0.1681	0.1121	0.3363	1.681	1926	2160	46,800	0.0450
TBA	ROADRUNNER	2057.0	76/19	1.6152	1.7032	4	0.1645	0.0768	0.3840	1.700	1946	2245	50,400	0.0445
TBA	DODO	2129.0	84/19	1.6721	1.8082	4	0.1592	0.0955	0.4775	1.751	2015	2477	59,500	0.0428
TBA	COCKATOO	2156.0	76/19	1.6927	1.7849	4	0.1684	0.0786	0.3930	1.740	2040	2353	52,900	0.0425
TBA	BLUEBIRD	2156.0	84/19	1.6931	1.8309	4	0.1602	0.0961	0.4805	1.762	2040	2507	60,300	0.0423
TBA	KIWI	2167.0	72/7	1.7022	1.7758	4	0.1735	0.1157	0.3471	1.735	2051	2300	49,800	0.0423
TBA	COCKATIEL	2300.0	84/19	1.8070	1.9541	4	0.1655	0.0993	0.4965	1.821	2178	2677	64,300	0.0396
TBA	THRASHER	2312.0	76/19	1.8155	1.9144	4	0.1744	0.0814	0.4070	1.802	2188	2524	56,700	0.0396
TBA	KINGFISHER	2385.0	72/7	1.8731	1.9540	4	0.1820	0.1213	0.3639	1.820	2257	2531	54,400	0.0384
TBA	JOREE	2515.0	76/19	1.9750	2.0826	4	0.1819	0.0849	0.4245	1.880	2380	2745	61,700	0.0364

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