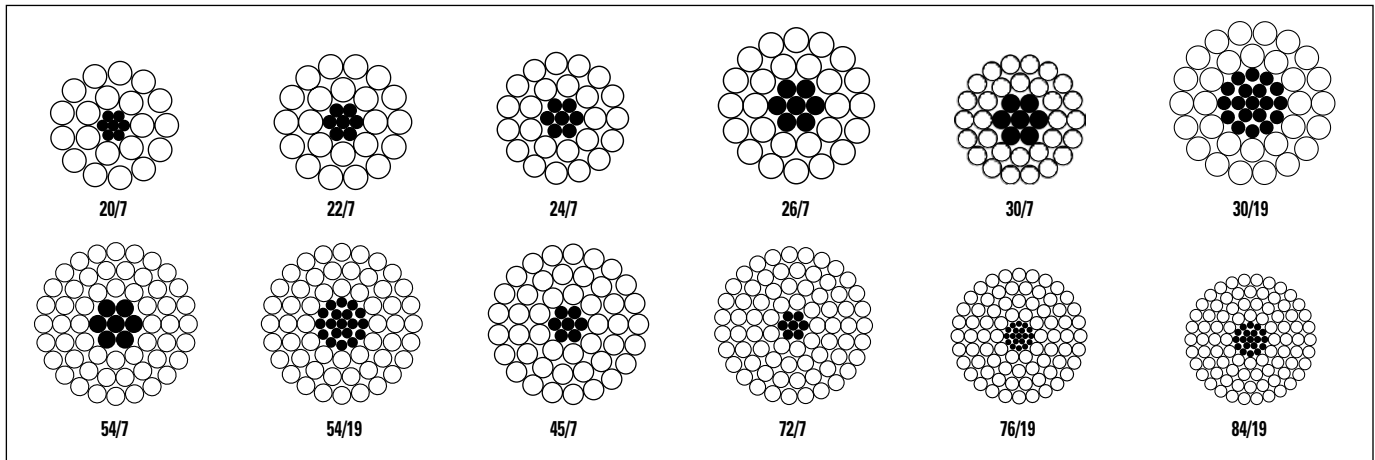


TransPowr® ACSS Bare Overhead Conductor

Aluminum Conductor Steel-Supported Concentric-Lay-Stranded



Product Construction:

Complete Conductor:

ACSS is a composite concentric-lay-stranded cable. ACSS conductors are manufactured in accordance with the latest issue of ASTM B856. The steel strands form the central core of the cable, around which is stranded one or more layers of aluminum 1350-O wires. The “O” temper of the aluminum, a fully annealed or soft temper, causes most or all of the mechanical load on ACSS to be carried by the steel. Standard ACSS designs are manufactured with regular-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (/MA2). The steel core may consist of 7, 19, 37 or more wires.

Features and Benefits:

ACSS conductors are similar to conventional ACSR with some very important additional advantages. ACSS can operate continuously at high temperatures up to 250°C without damage, allowing for a significant increase in conductor current-carrying capacity. ACSS sags less under emergency electrical loadings than ACSR, it is self-damping, and its final sags are not affected by long-term creep of the aluminum.

Applications:

Aluminum conductor steel-supported (ACSS) is used for overhead transmission lines. It is especially useful in reconductoring applications requiring increased current with existing tensions and clearances; new line applications where structures can be economized due to reduced sag; new line applications requiring high emergency loadings; and lines where aeolian vibration is a problem.

Options:

- E3X® surface coating (/E3X)
- High-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (/MA3 to ASTM B803)
- Extra-high-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (/MA4 to ASTM B958)
- Ultra-high-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (/MA5 to ASTM B958)
- Aluminum-clad steel core (/AW)—see ACSS/AW catalog section

Options (cont'd):

- 250°C operating temperature rating utilizing either the zinc-5% aluminum mischmetal alloy-coated steel core wires or the aluminum-clad steel core wires
- Trapezoidal-shaped aluminum strands (/TW)—see ACSS/TW catalog section
- Non-specular surface finish (/NS)

TransPowr® ACSS Bare Overhead Conductor

Aluminum Conductor Steel-Supported Concentric-Lay-Stranded



ACSS, ALUMINUM CONDUCTOR, STEEL-SUPPORTED, CONCENTRIC-LAY-STRANDED (MECHANICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. IN	APPROX. WEIGHT LB/KFT (2)			PERCENT BY WEIGHT		RATED STRENGTH LBS		
		AL	STEEL	TOTAL	AL		TOTAL	AL	STEEL	AL	STEEL	MA2	MA3 (HS)	MA5 (UHS)
Spoonbill/ACSS	266.8	22x0.1101	7x0.0612	0.2300	0.2095	0.624	319.8	250.0	69.8	78.17%	21.81%	6030	6550	7580
Scaup/ACSS	266.8	24x0.1054	7x0.0703	0.2366	0.2094	0.632	342.2	250.1	92.0	73.09%	26.90%	7410	8090	9450
Partridge/ACSS	266.8	26x0.1013	7x0.0788	0.2437	0.2095	0.642	366.1	250.5	115.6	68.42%	31.58%	8880	9730	11400
Junco/ACSS	266.8	30x0.0943	7x0.0943	0.2584	0.2095	0.660	416.4	250.8	165.6	60.23%	39.77%	11700	13000	15200
Ostrich/ACSS	300.0	26x0.1074	7x0.0835	0.2739	0.2355	0.680	411.4	281.6	129.8	68.45%	31.55%	9970	10900	12800
Trogon/ACSS	336.4	20x0.1297	7x0.0576	0.2825	0.2642	0.692	377.3	315.5	61.8	83.62%	16.38%	5990	6440	7350
Woodcock/ACSS	336.4	22x0.1237	7x0.0687	0.2903	0.2644	0.701	403.5	315.6	87.9	78.22%	21.78%	7610	8260	9550
Widgeon/ACSS	336.4	24x0.1184	7x0.0789	0.2985	0.2642	0.710	431.6	315.7	115.9	73.15%	26.85%	9340	10200	11900
Linnet/ACSS	336.4	26x0.1137	7x0.0884	0.3070	0.2640	0.720	461.1	315.6	145.5	68.45%	31.55%	11200	12300	14400
Oriole/ACSS	336.4	30x0.1059	7x0.1059	0.3259	0.2642	0.741	525.2	316.3	208.9	60.22%	39.78%	14800	16300	19100
Ptarmigan/ACSS	397.5	20x0.1410	7x0.0627	0.3339	0.3123	0.752	446.1	372.9	73.2	83.59%	16.41%	7090	7630	8710
Stork/ACSS	397.5	22x0.1344	7x0.0747	0.3428	0.3121	0.762	476.5	372.6	103.9	78.20%	21.80%	8990	9760	11300
Brant/ACSS	397.5	24x0.1287	7x0.0858	0.3527	0.3122	0.772	510.1	373.0	137.1	73.12%	26.88%	11000	12100	14100
Ibis/ACSS	397.5	26x0.1236	7x0.0961	0.3627	0.3120	0.783	544.9	372.9	172.0	68.43%	31.57%	13000	14200	16500
Lark/ACSS	397.5	30x0.1151	7x0.1151	0.3850	0.3121	0.806	620.4	373.7	246.7	60.24%	39.76%	17500	19300	22600
Tailorbird/ACSS	477.0	20x0.1544	7x0.0686	0.4003	0.3745	0.823	534.7	447.1	87.6	83.62%	16.39%	8490	9140	10400
Toucan/ACSS	477.0	22x0.1472	7x0.0818	0.4112	0.3744	0.834	571.5	446.9	124.6	78.20%	21.80%	10800	11700	13500
Flicker/ACSS	477.0	24x0.1410	7x0.0940	0.4233	0.3747	0.846	612.2	447.7	164.6	73.13%	26.89%	13000	14200	16400
Hawk/ACSS	477.0	26x0.1354	7x0.1053	0.4353	0.3744	0.858	654.0	447.5	206.5	68.43%	31.57%	15600	17100	19800
Hen/ACSS	477.0	30x0.1261	7x0.1261	0.4621	0.3747	0.883	744.7	448.5	296.1	60.23%	39.76%	21000	22700	26700
Heron/ACSS	500.0	30x0.1291	7x0.1291	0.4843	0.3927	0.904	780.5	470.1	310.4	60.23%	39.77%	22000	23800	27900
Tody/ACSS	556.5	20x0.1668	7x0.0741	0.4672	0.4370	0.890	624.1	521.8	102.3	83.61%	16.39%	9910	10700	12200
Sapsucker/ACSS	556.5	22x0.1590	7x0.0883	0.4797	0.4368	0.901	666.6	521.4	145.2	78.22%	21.78%	12600	13600	15800
Parakeet/ACSS	556.5	24x0.1523	7x0.1015	0.4939	0.4372	0.914	714.1	522.3	191.9	73.14%	26.87%	15200	16600	19100
Dove/ACSS	556.5	26x0.1463	7x0.1138	0.5083	0.4371	0.927	763.7	522.5	241.2	68.42%	31.58%	18200	19900	23100
Eagle/ACSS	556.5	30x0.1362	7x0.1362	0.5391	0.4371	0.953	868.7	523.3	345.5	60.24%	39.77%	24500	26500	31100
Peacock/ACSS	605.0	24x0.1588	7x0.1059	0.5370	0.4753	0.953	776.7	567.8	208.9	73.10%	26.90%	16500	18100	20800
Squab/ACSS	605.0	26x0.1525	7x0.1186	0.5522	0.4749	0.966	829.7	567.7	261.9	68.42%	31.57%	19700	21700	25100
Wood Duck/ACSS	605.0	30x0.1420	7x0.1420	0.5860	0.4751	0.994	944.3	568.8	375.5	60.24%	39.76%	26000	28300	33300
Teal/ACSS	605.0	30x0.1420	19x0.0852	0.5834	0.4751	0.994	937.2	568.8	368.4	60.69%	39.31%	26600	29300	34700
Turacos/ACSS	636.0	20x0.1783	7x0.0792	0.5339	0.4994	0.951	713.1	596.2	116.8	83.61%	16.38%	11300	12200	13900
Goldfinch/ACSS	636.0	22x0.1700	7x0.0944	0.5483	0.4994	0.963	762.0	596.1	166.0	78.23%	21.78%	14100	15300	17500
Rook/ACSS	636.0	24x0.1628	7x0.1085	0.5643	0.4996	0.977	816.0	596.8	219.2	73.14%	26.86%	17300	19000	21900
Grosbeak/ACSS	636.0	26x0.1564	7x0.1216	0.5808	0.4995	0.990	872.5	597.1	275.4	68.44%	31.56%	20700	22400	26000
Scoter/ACSS	636.0	30x0.1456	7x0.1456	0.6160	0.4995	1.019	992.8	598.0	394.8	60.23%	39.77%	27400	29700	35000
Egret/ACSS	636.0	30x0.1456	19x0.0874	0.6135	0.4995	1.019	985.6	598.0	387.7	60.67%	39.34%	28000	30900	36600
Flamingo/ACSS	666.6	24x0.1667	7x0.1111	0.5917	0.5238	1.000	855.6	625.7	229.9	73.13%	26.87%	18200	19900	22900
Gannet/ACSS	666.6	26x0.1601	7x0.1245	0.6086	0.5234	1.014	914.4	625.7	288.7	68.43%	31.57%	21700	23400	27300
Stilt/ACSS	715.5	24x0.1727	7x0.1151	0.6350	0.5622	1.036	918.3	671.6	246.7	73.14%	26.86%	19500	21300	24600
Starling/ACSS	715.5	26x0.1659	7x0.1290	0.6535	0.5620	1.051	981.8	671.9	309.9	68.44%	31.56%	23300	25200	29300
Redwing/ACSS	715.5	30x0.1544	19x0.0926	0.6897	0.5617	1.081	1108	672.4	435.2	60.69%	39.28%	30800	34000	39800
Macaw/ACSS	795.0	42x0.1376	7x0.0764	0.6567	0.6246	1.055	857.7	749.0	108.7	87.33%	12.67%	11800	12600	14200
Turbit/ACSS	795.0	20x0.1994	7x0.0886	0.6677	0.6246	1.063	891.9	745.7	146.2	83.61%	16.39%	14200	15200	17400
Tern/ACSS	795.0	45x0.1329	7x0.0886	0.6674	0.6242	1.063	895.2	749.0	146.2	83.67%	16.33%	14200	15200	17400
Puffin/ACSS	795.0	22x0.1901	7x0.1056	0.6857	0.6244	1.077	953.0	745.3	207.7	78.21%	21.79%	17700	19200	22000
Cuckoo/ACSS	795.0	24x0.1820	7x0.1213	0.7053	0.6244	1.092	1020	745.8	274.0	73.12%	26.86%	21700	23300	26900
Condor/ACSS	795.0	54x0.1213	7x0.1213	0.7049	0.6240	1.092	1024	749.8	274.0	73.22%	26.76%	21700	23300	26900
Drake/ACSS	795.0	26x0.1749	7x0.1360	0.7263	0.6247	1.108	1091	746.8	344.4	68.45%	31.57%	25900	28000	32600
Mallard/ACSS	795.0	30x0.1628	19x0.0977	0.7669	0.6245	1.140	1232	747.6	484.4	60.68%	39.32%	34300	37900	44300
Ruddy/ACSS	900.0	45x0.1414	7x0.0943	0.7555	0.7066	1.131	1013	847.9	165.6	83.70%	16.35%	15800	17000	19200
Canary/ACSS	900.0	54x0.1291	7x0.1291	0.7985	0.7069	1.162	1160	849.4	310.4	73.22%	26.76%	24600	26400	30500

(1) Code words shown denote ACSS with regular-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (MA2). See the Options section to find the appropriate code word modifier designation for alternative design options.

(2) Due to rounding, total values may be slightly greater or slightly less than the sum of the component values.

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.

TransPowr® ACSS Bare Overhead Conductor

Aluminum Conductor Steel-Supported Concentric-Lay-Stranded



ACSS, ALUMINUM CONDUCTOR, STEEL-SUPPORTED, CONCENTRIC-LAY-STRANDED (MECHANICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. IN	APPROX. WEIGHT LB/KFT (2)			PERCENT BY WEIGHT		RATED STRENGTH LBS		
		AL	STEEL	TOTAL	AL		TOTAL	AL	STEEL	AL	STEEL	MA2	MA3 (HS)	MA5 (UHS)
Phoenix/ACSS	954.0	42x0.1507	7x0.0837	0.7877	0.7491	1.155	1029	898.5	130.5	87.32%	12.68%	14200	15200	17100
Corncrake/ACSS	954.0	20x0.2184	7x0.0971	0.8011	0.7492	1.165	1070	894.6	175.6	83.61%	16.41%	16700	18000	20400
Rail/ACSS	954.0	45x0.1456	7x0.0971	0.8011	0.7492	1.165	1075	899.0	175.6	83.63%	16.33%	16700	18000	20400
Towhee/ACSS	954.0	48x0.1410	7x0.1097	0.8157	0.7495	1.175	1124	899.7	224.1	80.04%	19.94%	19700	21300	24300
Redbird/ACSS	954.0	24x0.1994	7x0.1329	0.8466	0.7495	1.196	1224	895.3	328.9	73.15%	26.87%	26000	28000	32300
Cardinal/ACSS	954.0	54x0.1329	7x0.1329	0.8462	0.7491	1.196	1229	900.1	328.9	73.24%	26.76%	26000	28000	32300
Canvasback/ACSS	954.0	30x0.1783	19x0.1070	0.9199	0.7491	1.248	1478	896.7	581.0	60.67%	39.31%	41100	45400	53100
Snowbird/ACSS	1033.5	42x0.1569	7x0.0872	0.8539	0.8121	1.203	1116	973.9	141.6	87.27%	12.69%	15400	16500	18500
Ortolan/ACSS	1033.5	45x0.1515	7x0.1010	0.8673	0.8112	1.212	1163	973.3	190.0	83.69%	16.34%	18100	19500	22000
Whooper/ACSS	1033.5	48x0.1467	7x0.1141	0.8829	0.8113	1.223	1216	974.0	242.4	80.10%	19.93%	21300	23100	26300
Curllew/ACSS	1033.5	54x0.1383	7x0.1383	0.9164	0.8112	1.245	1331	974.7	356.2	73.23%	26.76%	28200	30300	35000
Avocet/ACSS	1113.0	42x0.1628	7x0.0904	0.9192	0.8743	1.248	1201	1049	152.2	87.34%	12.67%	16300	17500	19500
Bluejay/ACSS	1113.0	45x0.1573	7x0.1049	0.9350	0.8745	1.259	1254	1049	204.9	83.65%	16.34%	19500	21100	23800
Bullfinch/ACSS	1113.0	48x0.1523	7x0.1184	0.9515	0.8744	1.269	1311	1050	261.1	80.09%	19.92%	22900	24900	28300
Finch/ACSS	1113.0	54x0.1436	19x0.0862	0.9854	0.8746	1.293	1428	1051	377.1	73.60%	26.41%	30400	33200	38700
Oxbird/ACSS	1192.5	42x0.1685	7x0.0936	0.9847	0.9366	1.292	1286	1123	163.2	87.33%	12.69%	17500	18700	20900
Bunting/ACSS	1192.5	45x0.1628	7x0.1085	1.0010	0.9367	1.302	1343	1124	219.2	83.69%	16.32%	20900	22500	25400
Cormorant/ACSS	1192.5	48x0.1576	7x0.1226	1.0190	0.9364	1.313	1404	1124	279.9	80.06%	19.94%	24600	26200	30000
Grackle/ACSS	1192.5	54x0.1486	19x0.0892	1.0550	0.9365	1.338	1529	1125	403.8	73.58%	26.41%	32600	35500	41500
Scissortail/ACSS	1272.0	42x0.1740	7x0.0967	1.0500	0.9987	1.334	1372	1198	174.1	87.32%	12.69%	18700	20000	22300
Bittern/ACSS	1272.0	45x0.1681	7x0.1121	1.0680	0.9987	1.345	1432	1198	234.0	83.66%	16.34%	22300	24000	27100
Diver/ACSS	1272.0	48x0.1628	7x0.1266	1.0870	0.9992	1.357	1498	1199	298.5	80.04%	19.93%	26200	28000	31900
Pheasant/ACSS	1272.0	54x0.1535	19x0.0921	1.1260	0.9993	1.382	1631	1201	430.5	73.64%	26.39%	34100	37300	43000
Ringdove/ACSS	1351.5	42x0.1794	7x0.0997	1.1160	1.0620	1.376	1458	1273	185.1	87.31%	12.70%	19900	21200	23700
Dipper/ACSS	1351.5	45x0.1733	7x0.1155	1.1350	1.0610	1.386	1522	1274	248.4	83.71%	16.32%	23700	25500	28800
1351.5/ACSS	1351.5	48x0.1678	7x0.1305	1.1550	1.0610	1.398	1591	1274	317.2	80.08%	19.94%	27900	29700	33900
Martin/ACSS	1351.5	54x0.1582	19x0.0949	1.1960	1.0610	1.424	1732	1275	457.0	73.61%	26.39%	36200	39600	45600
Popinjay/ACSS	1431.0	42x0.1846	7x0.1026	1.1820	1.1240	1.415	1544	1348	196.0	87.31%	12.69%	21000	22500	25100
Bobolink/ACSS	1431.0	45x0.1783	7x0.1189	1.2010	1.1240	1.427	1611	1348	263.3	83.67%	16.34%	25100	27000	30500
Wagtail/ACSS	1431.0	48x0.1727	7x0.1343	1.2240	1.1240	1.439	1686	1350	335.9	80.07%	19.92%	29500	31500	35900
Plover/ACSS	1431.0	54x0.1628	19x0.0977	1.2670	1.1240	1.465	1835	1351	484.4	73.62%	26.40%	38400	41900	48300
Nuthatch/ACSS	1510.5	45x0.1832	7x0.1221	1.2680	1.1860	1.466	1701	1423	277.6	83.66%	16.32%	26500	28100	31800
Parrot/ACSS	1510.5	54x0.1672	19x0.1003	1.3360	1.1860	1.505	1935	1425	510.5	73.64%	26.38%	40400	44200	51000
Ratite/ACSS	1590.0	42x0.1946	7x0.1081	1.3130	1.2490	1.492	1716	1498	217.6	87.30%	12.68%	23400	25000	27900
Lapwing/ACSS	1590.0	45x0.1880	7x0.1253	1.3350	1.2490	1.504	1791	1499	292.4	83.70%	16.33%	27900	29600	33500
Hornbill/ACSS	1590.0	48x0.1820	7x0.1416	1.3590	1.2490	1.517	1872	1499	373.4	80.07%	19.95%	32200	34400	39400
Falcon/ACSS	1590.0	54x0.1716	19x0.1030	1.4070	1.2490	1.545	2039	1501	538.4	73.61%	26.41%	42600	46600	53700
Chukar/ACSS	1780.0	84x0.1456	19x0.0874	1.5130	1.3990	1.602	2074	1686	387.7	81.29%	18.69%	35400	38200	43900
Seahawk/ACSS	1869.0	68x0.1658	7x0.0921	1.5150	1.4680	1.603	1925	1768	158.0	91.84%	8.21%	21500	22700	24800
Mockingbird/ACSS	2034.5	72x0.1681	7x0.1121	1.6670	1.5980	1.681	2158	1924	234.0	89.16%	10.84%	27200	28900	32000
Roadrunner/ACSS	2057.5	76x0.1645	19x0.0768	1.7030	1.6150	1.700	2245	1946	299.3	86.68%	13.33%	31700	33900	38300
Bluebird/ACSS	2156.0	84x0.1602	19x0.0961	1.8310	1.6930	1.762	2510	2041	468.7	81.31%	18.67%	42100	45500	51700
Kiwi/ACSS	2167.0	72x0.1735	7x0.1157	1.7760	1.7020	1.735	2299	2050	249.3	89.17%	10.84%	29000	30800	34100
Thrasher/ACSS	2312.0	76x0.1744	19x0.0814	1.9140	1.8160	1.802	2523	2187	336.3	86.68%	13.33%	35600	38100	43000
Joree/ACSS	2515.0	76x0.1819	19x0.0849	2.0830	1.9750	1.880	2745	2379	365.8	86.67%	13.33%	38700	41400	46800

(1) Code words shown denote ACSS with regular-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (MA2). See the Options section to find the appropriate code word modifier designation for alternative design options.

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Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.

TransPowr® ACSS Bare Overhead Conductor

Aluminum Conductor Steel-Supported Concentric-Lay-Stranded



ACSS, ALUMINUM CONDUCTOR, STEEL-SUPPORTED, CONCENTRIC-LAY-STRANDED (ELECTRICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. IN	RESISTANCE (3) OHMS/KFT				AMPACITY @ 75°C (4)		AMPACITY @ 200°C (4)		GEOMETRIC MEAN RADIUS FT	INDUCTIVE REACTANCE OHM/KFT (5)	CAPACITIVE REACTANCE MEGAOHM/KFT (5)
		AL	STEEL	TOTAL	AL		DC @20°C	AC @25°C	AC @75°C	AC @200°C	STD.	E3X®	STD.	E3X®			
Phoenix/ACSS	954.0	42x0.1507	7x0.0837	0.7877	0.7491	1.155	0.0176	0.0185	0.0228	0.0330	985	1130	1770	2000	0.0378	0.0753	0.4752
Corncrake/ACSS	954.0	20x0.2184	7x0.0971	0.8011	0.7492	1.165	0.0174	0.0182	0.0218	0.0307	1010	1160	1840	2085	0.0380	0.0752	0.4739
Rail/ACSS	954.0	45x0.1456	7x0.0971	0.8011	0.7492	1.165	0.0175	0.0184	0.0227	0.0329	990	1135	1780	2010	0.0384	0.0749	0.4739
Towhee/ACSS	954.0	48x0.1410	7x0.1097	0.8157	0.7495	1.175	0.0175	0.0184	0.0227	0.0328	990	1140	1785	2020	0.0390	0.0746	0.4725
Redbird/ACSS	954.0	24x0.1994	7x0.1329	0.8466	0.7495	1.196	0.0173	0.0180	0.0215	0.0304	1025	1180	1865	2120	0.0398	0.0741	0.4697
Cardinal/ACSS	954.0	54x0.1329	7x0.1329	0.8462	0.7491	1.196	0.0174	0.0182	0.0225	0.0326	1000	1150	1800	2040	0.0401	0.0739	0.4698
Canvasback/ACSS	954.0	30x0.1783	19x0.1070	0.9199	0.7491	1.248	0.0171	0.0177	0.0212	0.0300	1040	1205	1905	2170	0.0426	0.0725	0.4631
Snowbird/ACSS	1033.5	42x0.1569	7x0.0872	0.8539	0.8121	1.203	0.0162	0.0172	0.0211	0.0304	1035	1190	1865	2115	0.0394	0.0743	0.4689
Ortolan/ACSS	1033.5	45x0.1515	7x0.1010	0.8673	0.8112	1.212	0.0162	0.0171	0.0211	0.0304	1040	1195	1875	2120	0.0399	0.0740	0.4677
Whooper/ACSS	1033.5	48x0.1467	7x0.1141	0.8829	0.8113	1.223	0.0161	0.0170	0.0210	0.0303	1040	1200	1880	2130	0.0405	0.0737	0.4663
Curlew/ACSS	1033.5	54x0.1383	7x0.1383	0.9164	0.8112	1.245	0.0161	0.0169	0.0208	0.0301	1050	1210	1900	2150	0.0417	0.0730	0.4635
Avocet/ACSS	1113.0	42x0.1628	7x0.0904	0.9192	0.8743	1.248	0.0150	0.0160	0.0196	0.0283	1085	1245	1960	2225	0.0409	0.0735	0.4631
Bluejay/ACSS	1113.0	45x0.1573	7x0.1049	0.9350	0.8745	1.259	0.0150	0.0159	0.0196	0.0282	1085	1255	1970	2235	0.0415	0.0731	0.4618
Bullfinch/ACSS	1113.0	48x0.1523	7x0.1184	0.9515	0.8744	1.269	0.0150	0.0159	0.0195	0.0281	1090	1260	1975	2245	0.0421	0.0728	0.4605
Finch/ACSS	1113.0	54x0.1436	19x0.0862	0.9854	0.8746	1.293	0.0149	0.0157	0.0194	0.0279	1100	1270	1995	2265	0.0434	0.0721	0.4576
Oxbird/ACSS	1192.5	42x0.1685	7x0.0936	0.9847	0.9366	1.292	0.0140	0.0150	0.0184	0.0264	1130	1305	2050	2330	0.0423	0.0727	0.4577
Bunting/ACSS	1192.5	45x0.1628	7x0.1085	1.0010	0.9367	1.302	0.0140	0.0149	0.0183	0.0263	1135	1310	2060	2340	0.0429	0.0724	0.4564
Cormorant/ACSS	1192.5	48x0.1576	7x0.1226	1.0190	0.9364	1.313	0.0140	0.0149	0.0183	0.0263	1140	1315	2070	2350	0.0435	0.0720	0.4551
Grackle/ACSS	1192.5	54x0.1486	19x0.0892	1.0550	0.9365	1.338	0.0139	0.0147	0.0181	0.0261	1150	1330	2090	2375	0.0449	0.0713	0.4522
Scissortail/ACSS	1272.0	42x0.1740	7x0.0967	1.0500	0.9987	1.334	0.0132	0.0142	0.0173	0.0248	1175	1360	2140	2435	0.0437	0.0719	0.4527
Bittern/ACSS	1272.0	45x0.1681	7x0.1121	1.0680	0.9987	1.345	0.0131	0.0141	0.0172	0.0247	1180	1365	2150	2445	0.0443	0.0716	0.4514
Diver/ACSS	1272.0	48x0.1628	7x0.1266	1.0870	0.9992	1.357	0.0131	0.0140	0.0171	0.0246	1185	1370	2160	2455	0.0450	0.0713	0.4500
Pheasant/ACSS	1272.0	54x0.1535	19x0.0921	1.1260	0.9993	1.382	0.0130	0.0139	0.0170	0.0245	1195	1385	2180	2480	0.0463	0.0706	0.4472
Ringdove/ACSS	1351.5	42x0.1794	7x0.0997	1.1160	1.0620	1.376	0.0124	0.0134	0.0163	0.0233	1220	1410	2230	2535	0.0451	0.0712	0.4479
Dipper/ACSS	1351.5	45x0.1733	7x0.1155	1.1350	1.0610	1.386	0.0124	0.0133	0.0163	0.0233	1225	1420	2235	2545	0.0457	0.0709	0.4466
1351.5/ACSS	1351.5	48x0.1678	7x0.1305	1.1550	1.0610	1.398	0.0123	0.0133	0.0162	0.0232	1230	1425	2245	2560	0.0464	0.0706	0.4453
Martin/ACSS	1351.5	54x0.1582	19x0.0949	1.1960	1.0610	1.424	0.0123	0.0131	0.0161	0.0230	1240	1440	2270	2585	0.0478	0.0699	0.4425
Popinjay/ACSS	1431.0	42x0.1846	7x0.1026	1.1240	1.1240	1.415	0.0117	0.0127	0.0155	0.0221	1260	1465	2310	2635	0.0464	0.0706	0.4434
Bobolink/ACSS	1431.0	45x0.1783	7x0.1189	1.2010	1.1240	1.427	0.0117	0.0127	0.0154	0.0220	1265	1470	2320	2645	0.0470	0.0703	0.4422
Wagtail/ACSS	1431.0	48x0.1727	7x0.1343	1.2240	1.1240	1.439	0.0116	0.0126	0.0153	0.0219	1275	1480	2335	2660	0.0477	0.0699	0.4408
Plover/ACSS	1431.0	54x0.1628	19x0.0977	1.2670	1.1240	1.465	0.0116	0.0124	0.0152	0.0218	1285	1495	2355	2690	0.0492	0.0692	0.4380
Nuthatch/ACSS	1510.5	45x0.1832	7x0.1221	1.2680	1.1860	1.466	0.0111	0.0121	0.0146	0.0209	1310	1520	2405	2745	0.0483	0.0696	0.4379
Parrot/ACSS	1510.5	54x0.1672	19x0.1003	1.3360	1.1860	1.505	0.0110	0.0119	0.0144	0.0207	1325	1545	2440	2785	0.0505	0.0686	0.4338
Ratite/ACSS	1590.0	42x0.1946	7x0.1081	1.3130	1.2490	1.492	0.0105	0.0116	0.0140	0.0199	1345	1565	2475	2830	0.0489	0.0694	0.4351
Lapwing/ACSS	1590.0	45x0.1880	7x0.1253	1.3350	1.2490	1.504	0.0105	0.0115	0.0140	0.0198	1350	1570	2490	2845	0.0496	0.0690	0.4339
Hornbill/ACSS	1590.0	48x0.1820	7x0.1416	1.3590	1.2490	1.517	0.0105	0.0114	0.0139	0.0198	1355	1580	2500	2855	0.0503	0.0687	0.4326
Falcon/ACSS	1590.0	54x0.1716	19x0.1030	1.4070	1.2490	1.545	0.0104	0.0113	0.0138	0.0196	1370	1600	2525	2885	0.0518	0.0680	0.4297
Chukar/ACSS	1780.0	84x0.1456	19x0.0874	1.5130	1.3990	1.602	0.00941	0.0104	0.0122	0.0169	1470	1720	2755	3165	0.0532	0.0674	0.4240
Seahawk/ACSS	1869.0	68x0.1658	7x0.0921	1.5150	1.4680	1.603	0.00902	0.0101	0.0119	0.0163	1490	1745	2800	3220	0.0523	0.0678	0.4239
Mockingbird/ACSS	2034.5	72x0.1681	7x0.1121	1.6670	1.5980	1.681	0.00828	0.00942	0.0110	0.0151	1565	1840	2965	3410	0.0551	0.0666	0.4164
Roadrunner/ACSS	2057.5	76x0.1645	19x0.0768	1.7030	1.6150	1.700	0.00818	0.00928	0.0108	0.0149	1580	1860	2995	3450	0.0560	0.0662	0.4147
Bluebird/ACSS	2156.0	84x0.1602	19x0.0961	1.8310	1.6930	1.762	0.00778	0.00882	0.0103	0.0141	1640	1935	3110	3585	0.0585	0.0652	0.4091
Kiwi/ACSS	2167.0	72x0.1735	7x0.1157	1.7760	1.7020	1.735	0.00777	0.00895	0.0104	0.0142	1625	1910	3085	3555	0.0569	0.0659	0.4115
Thrasher/ACSS	2312.0	76x0.1744	19x0.0814	1.9140	1.8160	1.802	0.00727	0.00845	0.00982	0.0134	1690	1995	3220	3720	0.0593	0.0649	0.4055
Joree/ACSS	2515.0	76x0.1819	19x0.0849	2.0830	1.9750	1.880	0.00669	0.00793	0.00916	0.0124	1770	2095	3395	3925	0.0619	0.0639	0.3990

(1) Code words shown denote ACSS with regular-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (MA2). See the Options section to find the appropriate code word modifier designation for alternative design options.
 (2) Based on a conductivity of 63% IACS at 20°C for aluminum and 8% IACS at 20°C for the steel core. AC resistance for single-layer and three-layer designs approximates the effects of core magnetization. To convert to ohms/mile, multiply by 5.28. To convert to ohms/km, multiply by 3.281.
 (3) Based on a conductor temperature of 75°C or 200°C at 60 Hz and the following conditions: 25°C ambient temperature, 2 ft/sec crosswind (90° to conductor), 0.5 coefficient of emissivity for a standard conductor and 0.9 for an E3X coated conductor, 0.5 coefficient of absorptivity for a standard conductor and 0.2 for an E3X coated conductor, 30° northern latitude, sea level elevation, 90° azimuth of line (East-West), clear atmosphere, and a date and time of noon on July 1 (resulting in 96.0 W/ft² of solar and radiated heat). Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.
 (4) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.

