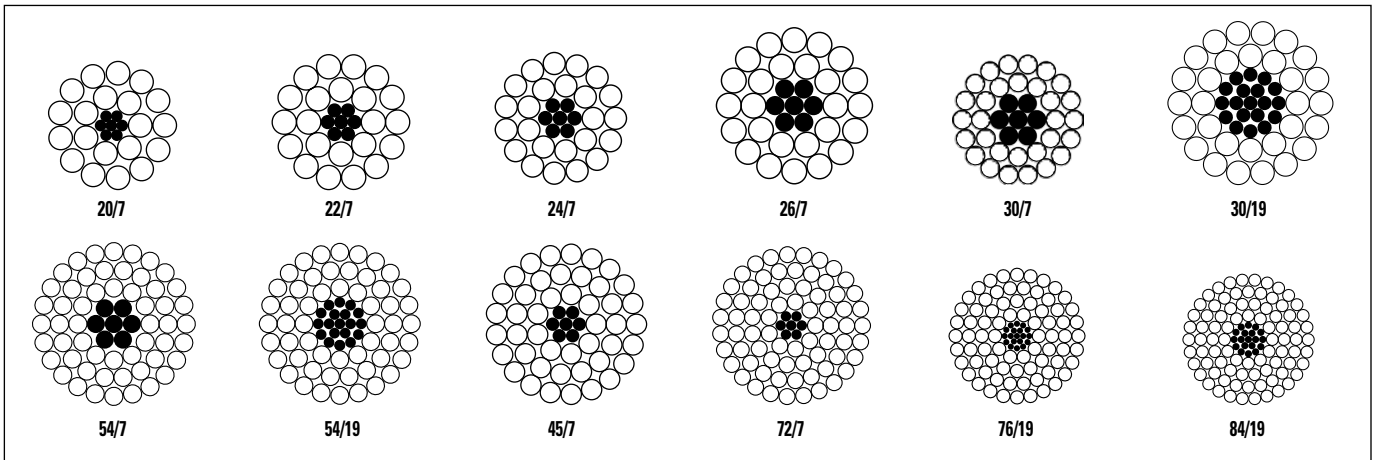


# TransPowr® ACSS Bare Overhead Conductor

## 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 1350-0 wires. The "0" 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:

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

**At the present time, CAN/CSA C61089 does not recognize ACSS conductor designs. The information provided on the following pages is from our US catalog.**

For other conductor sizes, designs and/or specific installation requirements not shown in the tables, contact your General Cable sales representative or e-mail [infoca@generalcable.com](mailto:infoca@generalcable.com).

# TransPowr® ACSS Bare Overhead Conductor

## Aluminum Conductor Steel-Supported Concentric-Lay-Stranded

### ACSS, CONCENTRIC-LAY-STRANDED (MECHANICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. INCHES	APPROX. WEIGHT LB/1000 FT (2)			PERCENT BY MASS		RATED STRENGTH LBS			STANDARD PACKAGES (3)		
		AL	STEEL	TOTAL	AL		TOTAL	AL	STEEL	AL	STEEL	MA2	MA3	MA5	REEL DESIGNATION	WEIGHT LBS	LENGTH FEET
Spoonbill/ACSS	266.8	22x0.1101	7x0.0612	0.2300	0.2095	0.624	321	251	70	78.28	21.72	6030	6550	7580	RM 68.38	2810	8755
Scaup/ACSS	266.8	24x0.1054	7x0.0703	0.2366	0.2095	0.633	343	251	92	73.20	26.80	7410	8090	9450	RM 68.38	3265	9520
Partridge/ACSS	266.8	26x0.1013	7x0.0788	0.2437	0.2096	0.642	367	251	116	68.50	31.50	8880	9730	11440	RM 68.38	3790	10330
Junco/ACSS	266.8	30x0.0943	7x0.0943	0.2584	0.2095	0.660	417	252	166	60.35	39.65	11700	13000	15200	RM 68.38	4970	11890
Ostrich/ACSS	300	26x0.1074	7x0.0835	0.2739	0.2355	0.680	412	283	130	68.53	31.47	10000	10900	12800	RM 68.38	3785	9190
Trogon/ACSS	336.4	20x0.1297	7x0.0576	0.2825	0.2642	0.692	379	317	62	83.69	16.31	5990	6440	7350	RM 68.38	4780	12610
Woodcock/ACSS	336.4	22x0.1237	7x0.0687	0.2903	0.2644	0.701	405	317	88	78.29	21.71	7610	8250	9550	RMT 84.36 RM 68.38	5620 2810	13880 6940
Widgeon/ACSS	336.4	24x0.1184	7x0.0789	0.2985	0.2642	0.710	433	317	116	73.22	26.78	9340	10200	11900	RMT 84.36 RM 68.38	6550 3275	15130 7565
Linnet/ACSS	336.4	26x0.1137	7x0.0884	0.3070	0.2640	0.720	462	317	145	68.54	31.46	11200	12300	14400	RMT 84.36 RM 68.38	7570 3785	16390 8195
Oriole/ACSS	336.4	30x0.1059	7x0.1059	0.3259	0.2642	0.741	526	318	209	60.34	39.66	14800	16300	19100	RM 68.38	4970	9430
Ptarmigan/ACSS	397.5	20x0.1410	7x0.0627	0.3339	0.3123	0.752	448	374	73	83.65	16.35	7090	7630	8710	RM 68.38	4780	10670
Stork/ACSS	397.5	22x0.1344	7x0.0747	0.3428	0.3121	0.762	478	374	104	78.28	21.72	8990	9760	11290	RMT 84.36 RM 68.38	5605 2805	11730 5865
Brant/ACSS	397.5	24x0.1287	7x0.0858	0.3527	0.3122	0.772	511	374	137	73.21	26.79	11000	12100	14100	RMT 84.36 RM 68.38	6535 3270	12790 6395
Ibis/ACSS	397.5	26x0.1236	7x0.0961	0.3627	0.3120	0.783	546	374	172	68.53	31.47	13000	14200	16500	RMT 84.36 RM 68.38	7575 3785	13870 6935
Lark/ACSS	397.5	30x0.1151	7x0.1151	0.3850	0.3121	0.806	622	375	247	60.35	39.65	17500	19300	22600	RM 68.38	4965	7980
Tailorbird/ACSS	477	20x0.1544	7x0.0686	0.4003	0.3746	0.824	537	449	88	83.69	16.31	8490	9140	10430	RM 68.38	4780	8900
Toucan/ACSS	477	22x0.1472	7x0.0818	0.4112	0.3744	0.834	574	449	125	78.30	21.70	10800	11700	13500	RMT 84.36 RM 68.38	5620 2810	9790 4895
Flicker/ACSS	477	24x0.1410	7x0.0940	0.4233	0.3747	0.846	614	449	164	73.20	26.80	13000	14200	16400	RMT 84.36 RM 68.38	6535 3265	10660 5330
Hawk/ACSS	477	26x0.1354	7x0.1053	0.4353	0.3744	0.858	656	449	206	68.52	31.48	15600	17100	19800	RMT 84.36 RM 68.38	7570 3785	11560 5780
Hen/ACSS	477	30x0.1261	7x0.1261	0.4621	0.3747	0.883	746	450	296	60.34	39.66	21000	22700	26700	RM 68.38	4960	6650
Heron/ACSS	500	30x0.1291	7x0.1291	0.4843	0.3927	0.904	782	472	310	60.35	39.65	22000	23800	27900	RM 68.38	4960	6345
Tody/ACSS	556.5	20x0.1668	7x0.0741	0.4672	0.4370	0.890	626	524	102	83.68	16.32	9900	10700	12200	RM 68.38	4770	7620
Sapsucker/ACSS	556.5	22x0.1590	7x0.0883	0.4797	0.4368	0.901	669	524	145	78.32	21.68	12600	13600	15800	RMT 84.36 RM 68.38	5615 2805	8390 4195
Parakeet/ACSS	556.5	24x0.1523	7x0.1015	0.4939	0.4372	0.914	716	524	192	73.22	26.78	15200	16600	19100	RMT 84.36 RM 68.38	6545 3270	9140 4570
Dove/ACSS	556.5	26x0.1463	7x0.1138	0.5083	0.4371	0.927	765	524	241	68.50	31.50	18200	19900	23100	RMT 84.36 RM 68.38	7580 3790	9910 4955
Eagle/ACSS	556.5	30x0.1362	7x0.1362	0.5391	0.4371	0.953	871	525	345	60.35	39.65	24500	26500	31100	RM 68.38	4960	5700
Peacock/ACSS	605	24x0.1588	7x0.1059	0.5370	0.4753	0.953	779	570	209	73.19	26.81	16500	18100	20800	RMT 84.36 RM 68.38	6550 3275	8410 4205
Squab/ACSS	605	26x0.1525	7x0.1186	0.5522	0.4749	0.966	832	570	262	68.52	31.48	19700	21700	25100	RMT 84.36 RM 68.38	7580 3790	9110 4555
Wood Duck/ACSS	605	30x0.1420	7x0.1420	0.5860	0.4751	0.994	947	571	375	60.35	39.65	26000	28300	33300	RM 68.38	4960	5245
Teal/ACSS	605	30x0.1420	19x0.0852	0.5834	0.4751	0.994	939	571	367	60.85	39.15	26600	29300	34700	RMT 84.45 RM 68.38	9840 4920	10490 5245
Turacos/ACSS	636	20x0.1783	7x0.0792	0.5339	0.4994	0.951	716	599	117	83.69	16.31	11300	12200	13900	RMT 84.36 RM 68.38	7160 4775	10000 6670
Goldfinch/ACSS	636	22x0.1700	7x0.0944	0.5483	0.4994	0.963	765	599	166	78.32	21.68	14100	15300	17600	RMT 84.45 RM 68.38	8425 5615	11010 7340
Rook/ACSS	636	24x0.1628	7x0.1085	0.5643	0.4996	0.977	818	599	219	73.22	26.78	17300	19000	21900	RMT 84.45 RM 68.38	9815 5645	12000 8000

(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.

(3) Weights shown are for conductor only and do not include the reel. Normal length and shipping tolerances apply.

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, CONCENTRIC-LAY-STRANDED (ELECTRICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. INCHES	RESISTANCE (4) OHMS/1000 FT				AMPACITY (5)		GEOMETRIC MEAN RADIUS FT	INDUCTIVE REACTANCE OHM/1000 FT (6)	CAPACITIVE REACTANCE MEGA OHM 1000 FT (6)
		AL	STEEL	TOTAL	AL		DC @ 20°C	AC @ 25°C	AC @ 75°C	AC @ 200°C	75°C	200°C			
Spoonbill/ACSS	266.8	22x0.1101	7x0.0612	0.2300	0.2095	0.624	0.0624	0.0639	0.0768	0.1091	455	800	0.0206	0.0892	0.5716
Scaup/ACSS	266.8	24x0.1054	7x0.0703	0.2366	0.2095	0.633	0.0622	0.0636	0.0765	0.1086	460	805	0.0211	0.0887	0.5694
Partridge/ACSS	266.8	26x0.1013	7x0.0788	0.2437	0.2096	0.642	0.0619	0.0633	0.0761	0.1081	460	810	0.0216	0.0882	0.5672
Junco/ACSS	266.8	30x0.0943	7x0.0943	0.2584	0.2095	0.660	0.0615	0.0629	0.0756	0.1073	465	825	0.0226	0.0871	0.5628
Ostrich/ACSS	300	26x0.1074	7x0.0835	0.2739	0.2355	0.680	0.0551	0.0563	0.0677	0.0962	500	875	0.0229	0.0868	0.5581
Trogon/ACSS	336.4	20x0.1297	7x0.0576	0.2825	0.2642	0.692	0.0497	0.0509	0.0612	0.0869	525	925	0.0226	0.0871	0.5555
Woodcock/ACSS	336.4	22x0.1237	7x0.0687	0.2903	0.2644	0.701	0.0495	0.0507	0.0609	0.0866	530	935	0.0231	0.0866	0.5534
Widgeon/ACSS	336.4	24x0.1184	7x0.0789	0.2985	0.2642	0.710	0.0493	0.0505	0.0607	0.0862	530	940	0.0237	0.0860	0.5513
Linnet/ACSS	336.4	26x0.1137	7x0.0884	0.3070	0.2640	0.720	0.0491	0.0503	0.0604	0.0858	535	945	0.0242	0.0855	0.5491
Oriole/ACSS	336.4	30x0.1059	7x0.1059	0.3259	0.2642	0.741	0.0488	0.0499	0.0600	0.0851	540	955	0.0253	0.0845	0.5446
Ptarmigan/ACSS	397.5	20x0.1410	7x0.0627	0.3339	0.3123	0.752	0.0421	0.0431	0.0518	0.0736	585	1035	0.0245	0.0852	0.5424
Stork/ACSS	397.5	22x0.1344	7x0.0747	0.3428	0.3121	0.762	0.0419	0.0430	0.0516	0.0733	585	1040	0.0251	0.0847	0.5404
Brant/ACSS	397.5	24x0.1287	7x0.0858	0.3527	0.3122	0.772	0.0417	0.0428	0.0514	0.0730	590	1045	0.0257	0.0841	0.5382
Ibis/ACSS	397.5	26x0.1236	7x0.0961	0.3627	0.3120	0.783	0.0416	0.0426	0.0512	0.0726	595	1055	0.0263	0.0836	0.5360
Lark/ACSS	397.5	30x0.1151	7x0.1151	0.3850	0.3121	0.806	0.0413	0.0423	0.0508	0.0721	600	1070	0.0275	0.0826	0.5316
Tailorbird/ACSS	477	20x0.1544	7x0.0686	0.4003	0.3746	0.824	0.0351	0.0360	0.0433	0.0614	655	1165	0.0269	0.0831	0.5281
Toucan/ACSS	477	22x0.1472	7x0.0818	0.4112	0.3744	0.834	0.0349	0.0359	0.0431	0.0611	660	1175	0.0275	0.0826	0.5261
Flicker/ACSS	477	24x0.1410	7x0.0940	0.4233	0.3747	0.846	0.0348	0.0357	0.0429	0.0608	660	1180	0.0282	0.0820	0.5240
Hawk/ACSS	477	26x0.1354	7x0.1053	0.4353	0.3744	0.858	0.0346	0.0355	0.0427	0.0605	665	1190	0.0288	0.0815	0.5218
Hen/ACSS	477	30x0.1261	7x0.1261	0.4621	0.3747	0.883	0.0344	0.0353	0.0423	0.0601	675	1205	0.0302	0.0805	0.5173
Heron/ACSS	500	30x0.1291	7x0.1291	0.4843	0.3927	0.904	0.0328	0.0337	0.0404	0.0573	695	1240	0.0309	0.0799	0.5136
Tody/ACSS	556.5	20x0.1668	7x0.0741	0.4672	0.4370	0.890	0.0301	0.0309	0.0371	0.0527	720	1290	0.0290	0.0813	0.5161
Sapsucker/ACSS	556.5	22x0.1590	7x0.0883	0.4797	0.4368	0.901	0.0299	0.0308	0.0370	0.0524	725	1295	0.0297	0.0808	0.5140
Parakeet/ACSS	556.5	24x0.1523	7x0.1015	0.4939	0.4372	0.914	0.0298	0.0306	0.0368	0.0522	730	1305	0.0304	0.0803	0.5119
Dove/ACSS	556.5	26x0.1463	7x0.1138	0.5083	0.4371	0.927	0.0297	0.0305	0.0366	0.0519	735	1315	0.0311	0.0797	0.5097
Eagle/ACSS	556.5	30x0.1362	7x0.1362	0.5391	0.4371	0.953	0.0295	0.0303	0.0363	0.0515	740	1330	0.0326	0.0787	0.5052
Peacock/ACSS	605	24x0.1588	7x0.1059	0.5370	0.4753	0.953	0.0274	0.0282	0.0339	0.0480	770	1380	0.0317	0.0793	0.5053
Squab/ACSS	605	26x0.1525	7x0.1186	0.5522	0.4749	0.966	0.0273	0.0281	0.0337	0.0478	775	1390	0.0325	0.0788	0.5031
Wood Duck/ACSS	605	30x0.1420	7x0.1420	0.5860	0.4751	0.994	0.0271	0.0279	0.0334	0.0474	780	1405	0.0340	0.0777	0.4987
Teal/ACSS	605	30x0.1420	19x0.0852	0.5834	0.4751	0.994	0.0272	0.0279	0.0335	0.0474	780	1405	0.0340	0.0777	0.4987
Turacos/ACSS	636	20x0.1783	7x0.0792	0.5339	0.4994	0.951	0.0263	0.0271	0.0325	0.0461	785	1405	0.0310	0.0798	0.5056
Goldfinch/ACSS	636	22x0.1700	7x0.0944	0.5483	0.4994	0.963	0.0262	0.0270	0.0324	0.0459	790	1415	0.0318	0.0793	0.5036
Rook/ACSS	636	24x0.1628	7x0.1085	0.5643	0.4996	0.977	0.0261	0.0269	0.0322	0.0457	790	1425	0.0325	0.0787	0.5014

(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.  
 (4) Based on a conductivity of 61.2% (minimum lot average) 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.  
 (5) Based on the given conductor temperature at 60 Hz and the following conditions: 25°C ambient temperature, 2 ft/sec crosswind (90° to conductor), 0.5 coefficient of emissivity, 0.5 coefficient of absorptivity, 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 sky radiated heat). Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.  
 (6) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.



# TransPowr® ACSS Bare Overhead Conductor

## Aluminum Conductor Steel-Supported Concentric-Lay-Stranded

### ACSS, CONCENTRIC-LAY-STRANDED (MECHANICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. INCHES	APPROX. WEIGHT LB/1000 FT (2)			PERCENT BY MASS		RATED STRENGTH LBS			STANDARD PACKAGES (3)		
		AL	STEEL	TOTAL	AL		TOTAL	AL	STEEL	AL	STEEL	MA2	MA3	MA5	REEL DESIGNATION	WEIGHT LBS	LENGTH FEET
Grosbeak/ACSS	636	26x0.1564	7x0.1216	0.5808	0.4995	0.990	874	599	275	68.52	31.48	20700	22400	26000	RMT 90.45 RMT 84.36 RM 68.38	11370 7580 3790	13010 8670 4335
Scoter/ACSS	636	30x0.1456	7x0.1456	0.6160	0.4995	1.019	995	601	395	60.35	39.65	27400	29700	35000	RMT 96.60 RM 68.38	14945 4980	15020 5005
Egret/ACSS	636	30x0.1456	19x0.0874	0.6135	0.4995	1.019	987	601	387	60.83	39.17	28000	30900	36600	RMT 96.60 RMT 84.45 RM 68.38	14765 9850 4925	14960 9980 4990
Flamingo/ACSS	666.6	24x0.1667	7x0.1111	0.5917	0.5238	1.000	858	628	230	73.21	26.79	18200	19900	22900	RMT 84.45 RMT 84.36 RM 68.38	9835 6545 3275	11460 7630 3815
Gannet/ACSS	666.6	26x0.1601	7x0.1245	0.6086	0.5234	1.014	916	628	289	68.52	31.48	21700	23400	27300	RMT 90.45 RMT 84.36 RM 68.38	11380 7595 3795	12410 8280 4140
Stilt/ACSS	715.5	24x0.1727	7x0.1151	0.6350	0.5622	1.036	921	674	247	73.21	26.79	19500	21300	24600	RMT 84.45 RMT 84.36 RM 68.38	9820 6540 3270	10660 7100 3550
Starling/ACSS	715.5	26x0.1659	7x0.1290	0.6535	0.5620	1.051	984	674	310	68.51	31.49	23300	25200	29300	RMT 90.45 RMT 84.36 RM 68.38	11365 7585 3795	11550 7710 3855
Redwing/ACSS	715.5	30x0.1544	19x0.0926	0.6897	0.5617	1.081	1110	676	434	60.88	39.12	30800	34000	39800	RMT 96.60 RMT 84.45 RM 68.38	14750 9850 4925	13300 8880 4440
Macaw/ACSS	795	42x0.1376	7x0.0764	0.6567	0.6246	1.055	857	749	109	87.33	12.67	11800	12600	14200	RMT 90.45 RM 68.38	9610 4805	11200 5600
Turbit/ACSS	795	20x0.1994	7x0.0886	0.6677	0.6246	1.063	895	749	146	83.67	16.33	14200	15200	17400	RMT 84.36 RM 68.38	7160 4770	8000 5330
Tern/ACSS	795	45x0.1329	7x0.0886	0.6674	0.6242	1.063	895	749	146	83.67	16.33	14200	15200	17400	RMT 96.60 RMT 90.45 RM 68.38	16110 10740 5370	18000 12000 6000
Puffin/ACSS	795	22x0.1901	7x0.1056	0.6857	0.6244	1.077	956	749	208	78.30	21.70	17700	19200	22000	RMT 84.45 RMT 84.36 RM 68.38	8420 5620 2810	8800 5870 2935
Cuckoo/ACSS	795	24x0.1820	7x0.1213	0.7053	0.6244	1.092	1023	749	274	73.22	26.78	21700	23300	26900	RMT 84.45 RMT 84.36 RM 68.38	9830 6545 3275	9610 6400 3200
Condor/ACSS	795	54x0.1213	7x0.1213	0.7049	0.6240	1.092	1023	749	274	73.22	26.78	21700	23300	26900	RMT 96.60 RMT 90.45	19130 11040	18720 10800
Drake/ACSS	795	26x0.1749	7x0.1360	0.7263	0.6246	1.107	1093	749	344	68.50	31.50	25900	28000	32600	RMT 90.45 RMT 84.36 RM 68.38	11365 7585 3795	10400 6940 3470
Mallard/ACSS	795	30x0.1628	19x0.0977	0.7669	0.6245	1.140	1234	751	483	60.84	39.16	34300	37900	44300	RMT 96.60 RMT 84.45 RM 68.38	14770 9845 4925	11970 7980 3990
Ruddy/ACSS	900	45x0.1414	7x0.0943	0.7555	0.7066	1.131	1013	848	166	83.66	16.34	15800	17000	19200	RMT 96.60 RMT 90.45 RM 68.38	16095 10730 5365	15890 10590 5295
Canary/ACSS	900	54x0.1291	7x0.1291	0.7985	0.7069	1.162	1158	848	310	73.21	26.79	24600	26400	30500	RMT 96.60 RMT 90.45	19155 11045	16540 9540
Phoenix/ACSS	954	42x0.1507	7x0.0837	0.7877	0.7491	1.155	1029	899	130	87.33	12.67	14200	15200	17100	RMT 90.45 RM 68.38	9600 4800	9340 4670
Corncrake/ACSS	954	20x0.2184	7x0.0971	0.8011	0.7492	1.165	1074	899	175	83.66	16.34	16700	18000	20400	RMT 84.36 RM 68.38	7170 4785	6670 4450

(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.

(3) Weights shown are for conductor only and do not include the reel. Normal length and shipping tolerances apply.

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, CONCENTRIC-LAY-STRANDED (ELECTRICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. INCHES	RESISTANCE (4) OHMS/1000 FT				AMPACITY (5)		GEOMETRIC MEAN RADIUS FT	INDUCTIVE REACTANCE OHM/1000 FT (6)	CAPACITIVE REACTANCE MEGAOHM 1000 FT (6)
		AL	STEEL	TOTAL	AL		DC @ 20°C	AC @ 25°C	AC @ 75°C	AC @ 200°C	75°C	200°C			
Grosbeak/ACSS	636	26x0.1564	7x0.1216	0.5808	0.4995	0.990	0.0260	0.0267	0.0321	0.0455	795	1435	0.0333	0.0782	0.4992
Scoter/ACSS	636	30x0.1456	7x0.1456	0.6160	0.4995	1.019	0.0258	0.0265	0.0318	0.0451	805	1455	0.0348	0.0772	0.4948
Egret/ACSS	636	30x0.1456	19x0.0874	0.6135	0.4995	1.019	0.0258	0.0265	0.0318	0.0451	805	1455	0.0348	0.0772	0.4947
Flamingo/ACSS	666.6	24x0.1667	7x0.1111	0.5917	0.5238	1.000	0.0249	0.0257	0.0308	0.0436	815	1470	0.0333	0.0782	0.4977
Gannet/ACSS	666.6	26x0.1601	7x0.1245	0.6086	0.5234	1.014	0.0248	0.0255	0.0306	0.0434	820	1480	0.0341	0.0777	0.4956
Stilt/ACSS	715.5	24x0.1727	7x0.1151	0.6350	0.5622	1.036	0.0232	0.0239	0.0287	0.0406	855	1540	0.0345	0.0774	0.4922
Starling/ACSS	715.5	26x0.1659	7x0.1290	0.6535	0.5620	1.051	0.0231	0.0238	0.0286	0.0404	860	1550	0.0353	0.0768	0.4900
Redwing/ACSS	715.5	30x0.1544	19x0.0926	0.6897	0.5617	1.081	0.0230	0.0236	0.0283	0.0401	870	1570	0.0369	0.0758	0.4856
Macaw/ACSS	795	42x0.1376	7x0.0764	0.6567	0.6246	1.055	0.0211	0.0221	0.0273	0.0396	880	1570	0.0346	0.0773	0.4894
Turbit/ACSS	795	20x0.1994	7x0.0886	0.6677	0.6246	1.063	0.0210	0.0218	0.0261	0.0370	900	1630	0.0347	0.0772	0.4881
Tern/ACSS	795	45x0.1329	7x0.0886	0.6674	0.6242	1.063	0.0210	0.0220	0.0272	0.0395	880	1575	0.0351	0.0770	0.4881
Puffin/ACSS	795	22x0.1901	7x0.1056	0.6857	0.6244	1.077	0.0210	0.0217	0.0260	0.0368	905	1640	0.0355	0.0767	0.4861
Cuckoo/ACSS	795	24x0.1820	7x0.1213	0.7053	0.6244	1.092	0.0209	0.0216	0.0259	0.0366	910	1650	0.0364	0.0762	0.4840
Condor/ACSS	795	54x0.1213	7x0.1213	0.7049	0.6240	1.092	0.0209	0.0217	0.0270	0.0392	890	1595	0.0366	0.0760	0.4840
Drake/ACSS	795	26x0.1749	7x0.1360	0.7263	0.6246	1.107	0.0208	0.0215	0.0257	0.0364	915	1660	0.0372	0.0756	0.4818
Mallard/ACSS	795	30x0.1628	19x0.0977	0.7669	0.6245	1.140	0.0207	0.0213	0.0255	0.0362	925	1685	0.0389	0.0746	0.4773
Ruddy/ACSS	900	45x0.1414	7x0.0943	0.7555	0.7066	1.131	0.0186	0.0195	0.0241	0.0349	955	1710	0.0373	0.0756	0.4784
Canary/ACSS	900	54x0.1291	7x0.1291	0.7985	0.7069	1.162	0.0184	0.0193	0.0239	0.0346	965	1730	0.0390	0.0746	0.4742
Phoenix/ACSS	954	42x0.1507	7x0.0837	0.7877	0.7491	1.155	0.0176	0.0185	0.0228	0.0330	985	1770	0.0379	0.0752	0.4751
Corncrake/ACSS	954	20x0.2184	7x0.0971	0.8011	0.7492	1.165	0.0175	0.0183	0.0219	0.0309	1005	1835	0.0380	0.0751	0.4738

(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.  
 (4) Based on a conductivity of 61.2% (minimum lot average) 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.  
 (5) Based on the given conductor temperature at 60 Hz and the following conditions: 25°C ambient temperature, 2 ft/sec crosswind (90° to conductor), 0.5 coefficient of emissivity, 0.5 coefficient of absorptivity, 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 sky radiated heat). Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.  
 (6) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.



# TransPowr® ACSS Bare Overhead Conductor

## Aluminum Conductor Steel-Supported Concentric-Lay-Stranded

### ACSS, CONCENTRIC-LAY-STRADED (MECHANICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. INCHES	APPROX. WEIGHT LB/1000 FT (2)			PERCENT BY MASS		RATED STRENGTH LBS			STANDARD PACKAGES (3)		
		AL	STEEL	TOTAL	AL		TOTAL	AL	STEEL	AL	STEEL	MA2	MA3	MA5	REEL DESIGNATION	WEIGHT LBS	LENGTH FEET
Rail/ACSS	954	45x0.1456	7x0.0971	0.8011	0.7492	1.165	1074	899	175	83.66	16.34	16700	18000	20400	RMT 96.60 RMT 90.45 RM 68.38	16125 10750 5375	15000 10000 5000
Towhee/ACSS	954	48x0.1410	7x0.1097	0.8157	0.7495	1.175	1123	899	224	80.05	19.95	19700	21300	24300	RMT 96.60 RMT 90.45 RMT 84.36	17970 11980 5990	16000 10670 5335
Redbird/ACSS	954	24x0.1994	7x0.1329	0.8466	0.7495	1.196	1227	899	329	73.21	26.79	26000	28000	32300	RMT 84.45 RMT 84.36	9825 6545	8000 5330
Cardinal/ACSS	954	54x0.1329	7x0.1329	0.8462	0.7491	1.196	1227	899	329	73.21	26.79	26000	28000	32300	RMT 96.60 RMT 90.45	19140 11780	15600 9600
Canvasback/ACSS	954	30x0.1783	19x0.1070	0.9201	0.7493	1.248	1480	901	580	60.85	39.15	41100	45400	53100	RMT 96.60 RMT 84.45 RM 68.38	14780 9865 4930	9980 6660 3330
Snowbird/ACSS	1033.5	42x0.1569	7x0.0872	0.8539	0.8121	1.203	1115	973	142	87.31	12.69	15400	16400	18500	RMT 90.45 RM 68.38	9610 4805	8610 4305
Ortolan/ACSS	1033.5	45x0.1515	7x0.1010	0.8681	0.8121	1.212	1163	973	190	83.68	16.32	18100	19500	22000	RMT 96.60 RMT 90.45 RM 68.38	16110 10735 5365	13850 9230 4615
Whooper/ACSS	1033.5	48x0.1467	7x0.1141	0.8829	0.8113	1.223	1216	973	242	80.07	19.93	21300	23100	26300	RMT 96.60 RMT 90.45 RM 68.38	17945 11970 5985	14770 9850 4925
Curlew/ACSS	1033.5	54x0.1383	7x0.1383	0.9164	0.8112	1.245	1329	973	356	73.22	26.78	28200	30300	35000	RMT 96.60 RMT 90.45	19140 11045	14400 8310
Avocet/ACSS	1113	42x0.1628	7x0.0904	0.9192	0.8743	1.248	1200	1048	152	87.33	12.67	16300	17500	19500	RMT 96.60 RMT 90.45 RM 68.38	14400 9600 4800	12000 8000 4000
Bluejay/ACSS	1113	45x0.1573	7x0.1049	0.9350	0.8745	1.259	1253	1048	205	83.66	16.34	19500	21000	23800	RMT 96.60 RMT 90.45 RM 68.38	16120 10745 1610	12853 8570 1285
Bullfinch/ACSS	1113	48x0.1523	7x0.1184	0.9516	0.8744	1.269	1310	1048	261	80.04	19.96	23000	24900	28400	RMT 96.60 RMT 90.45 RMT 84.36	17945 11975 5985	13700 9140 4570
Finch/ACSS	1113	54x0.1436	19x0.0861	0.9854	0.8746	1.293	1430	1053	376	73.69	26.31	30400	33200	38700	RMT 96.60 RMT 90.45	19035 10970	13310 7670
Oxbird/ACSS	1192.5	42x0.1685	7x0.0936	0.9847	0.9365	1.292	1286	1123	163	87.32	12.68	17500	18700	20900	RMT 96.60 RMT 90.45 RM 68.38	14405 9605 4805	11200 7470 3735
Bunting/ACSS	1192.5	45x0.1628	7x0.1085	1.0014	0.9367	1.302	1342	1123	219	83.68	16.32	20900	22500	25400	RMT 96.60 RMT 90.45 RM 68.38	16105 10735 5370	12000 8000 4000
Cormorant/ACSS	1192.5	48x0.1576	7x0.1226	1.0190	0.9364	1.313	1403	1123	280	80.06	19.94	24600	26200	30000	RMT 96.60 RMT 90.45 RMT 84.36	17960 11970 5985	12800 8530 4265
Grackle/ACSS	1192.5	54x0.1486	19x0.0892	1.0553	0.9365	1.338	1531	1129	403	73.70	26.30	32600	35500	41500	RMT 96.60 RMT 90.45	19025 10970	12420 7160
Scissortail/ACSS	1272	42x0.1740	7x0.0967	1.0501	0.9987	1.334	1372	1198	174	87.32	12.68	18700	20000	22300	RMT 96.60 RMT 90.45 RM 68.38	14405 9605 4800	10500 7000 3500
Bittern/ACSS	1272	45x0.1681	7x0.1121	1.0678	0.9987	1.345	1432	1198	234	83.67	16.33	22300	24000	27100	RMT 96.60 RMT 90.45 RM 68.38	16110 10740 5370	11250 7500 3750

(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.

(3) Weights shown are for conductor only and do not include the reel. Normal length and shipping tolerances apply.

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, CONCENTRIC-LAY-STRANDED (ELECTRICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. INCHES	RESISTANCE (4) OHMS/1000 FT				AMPACITY (5)		GEOMETRIC MEAN RADIUS FT	INDUCTIVE REACTANCE OHM/1000 FT (6)	CAPACITIVE REACTANCE MEGAOHM 1000 FT (6)
		AL	STEEL	TOTAL	AL		DC @ 20°C	AC @ 25°C	AC @ 75°C	AC @ 200°C	75°C	200°C			
Rail/ACSS	954	45x0.1456	7x0.0971	0.8011	0.7492	1.165	0.0175	0.0185	0.0228	0.0329	990	1775	0.0384	0.0749	0.4738
Towhee/ACSS	954	48x0.1410	7x0.1097	0.8157	0.7495	1.175	0.0175	0.0184	0.0227	0.0328	990	1785	0.0390	0.0746	0.4725
Redbird/ACSS	954	24x0.1994	7x0.1329	0.8466	0.7495	1.196	0.0174	0.0181	0.0217	0.0306	1020	1860	0.0398	0.0741	0.4697
Cardinal/ACSS	954	54x0.1329	7x0.1329	0.8462	0.7491	1.196	0.0174	0.0182	0.0225	0.0326	1000	1800	0.0401	0.0739	0.4697
Canvasback/ACSS	954	30x0.1783	19x0.1070	0.9201	0.7493	1.248	0.0172	0.0178	0.0214	0.0302	1040	1900	0.0427	0.0725	0.4630
Snowbird/ACSS	1033.5	42x0.1569	7x0.0872	0.8539	0.8121	1.203	0.0162	0.0172	0.0211	0.0305	1035	1865	0.0394	0.0743	0.4688
Ortolan/ACSS	1033.5	45x0.1515	7x0.1010	0.8681	0.8121	1.212	0.0162	0.0171	0.0211	0.0304	1040	1875	0.0400	0.0740	0.4676
Whooper/ACSS	1033.5	48x0.1467	7x0.1141	0.8829	0.8113	1.223	0.0161	0.0170	0.0210	0.0303	1040	1880	0.0406	0.0737	0.4662
Curlew/ACSS	1033.5	54x0.1383	7x0.1383	0.9164	0.8112	1.245	0.0161	0.0169	0.0208	0.0301	1050	1900	0.0418	0.0730	0.4634
Avocet/ACSS	1113	42x0.1628	7x0.0904	0.9192	0.8743	1.248	0.0151	0.0160	0.0197	0.0283	1080	1960	0.0409	0.0735	0.4630
Bluejay/ACSS	1113	45x0.1573	7x0.1049	0.9350	0.8745	1.259	0.0150	0.0159	0.0196	0.0282	1085	1970	0.0415	0.0731	0.4618
Bullfinch/ACSS	1113	48x0.1523	7x0.1184	0.9516	0.8744	1.269	0.0150	0.0159	0.0195	0.0281	1090	1975	0.0421	0.0728	0.4604
Finch/ACSS	1113	54x0.1436	19x0.0861	0.9854	0.8746	1.293	0.0150	0.0158	0.0195	0.0281	1100	1990	0.0434	0.0721	0.4576
Oxbird/ACSS	1192.5	42x0.1685	7x0.0936	0.9847	0.9365	1.292	0.0141	0.0150	0.0184	0.0264	1130	2050	0.0423	0.0727	0.4576
Bunting/ACSS	1192.5	45x0.1628	7x0.1085	1.0014	0.9367	1.302	0.0140	0.0150	0.0183	0.0263	1135	2060	0.0429	0.0723	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	2070	0.0436	0.0720	0.4550
Grackle/ACSS	1192.5	54x0.1486	19x0.0892	1.0553	0.9365	1.338	0.0140	0.0148	0.0182	0.0262	1145	2085	0.0449	0.0713	0.4522
Scissortail/ACSS	1272	42x0.1740	7x0.0967	1.0501	0.9987	1.334	0.0132	0.0142	0.0173	0.0248	1175	2140	0.0437	0.0719	0.4526
Bittern/ACSS	1272	45x0.1681	7x0.1121	1.0678	0.9987	1.345	0.0131	0.0141	0.0172	0.0247	1180	2150	0.0443	0.0716	0.4513

(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.  
 (4) Based on a conductivity of 61.2% (minimum lot average) 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.  
 (5) Based on the given conductor temperature at 60 Hz and the following conditions: 25°C ambient temperature, 2 ft/sec crosswind (90° to conductor), 0.5 coefficient of emissivity, 0.5 coefficient of absorptivity, 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 sky radiated heat). Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.  
 (6) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.



# TransPowr® ACSS Bare Overhead Conductor

## Aluminum Conductor Steel-Supported Concentric-Lay-Stranded

### ACSS, CONCENTRIC-LAY-STRANDED (MECHANICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. INCHES	APPROX. WEIGHT LB/1000 FT (2)			PERCENT BY MASS		RATED STRENGTH LBS			STANDARD PACKAGES (3)		
		AL	STEEL	TOTAL	AL		TOTAL	AL	STEEL	AL	STEEL	MA2	MA3	MA5	REEL DESIGNATION	WEIGHT LBS	LENGTH FEET
Diver/ACSS	1272	48x0.1628	7x0.1266	1.0873	0.9992	1.357	1496	1198	298	80.06	19.94	26200	28000	31900	RMT 96.60 RMT 90.45 RMT 84.36	17950 11970 5985	12000 8000 4000
Pheasant/ACSS	1272	54x0.1535	19x0.0921	1.1259	0.9993	1.381	1633	1204	429	73.71	26.29	34100	37300	43000	RMT 96.60 RMT 90.45	19025 10975	11650 6720
Ringdove/ACSS	1351.5	42x0.1794	7x0.0997	1.1163	1.0617	1.376	1458	1273	185	87.31	12.69	19900	21200	23700	RMT 96.60 RMT 90.45 RM 68.38	14435 9630 4815	9880 6590 3295
Dipper/ACSS	1351.5	45x0.1733	7x0.1155	1.1348	1.0614	1.386	1521	1273	248	83.68	16.32	23700	25500	28800	RMT 96.60 RMT 90.45 RM 68.38	16140 10760 5380	10590 7060 3530
-none-	1351.5	48x0.1678	7x0.1305	1.1551	1.0614	1.398	1590	1273	317	80.06	19.94	27900	29700	33900	RMT 96.60 RMT 90.45 RMT 84.36	17985 11995 6000	11290 7530 3765
Martin/ACSS	1351.5	54x0.1582	19x0.0949	1.1958	1.0614	1.424	1735	1279	456	73.72	26.28	36200	39600	45600	RMT 96.60 RMT 90.45	19015 10965	10960 6320
Popinjay/ACSS	1431	42x0.1846	7x0.1026	1.1820	1.1241	1.415	1544	1348	196	87.31	12.69	21000	22500	25100	RMT 96.60 RMT 90.45 RM 68.38	14435 9620 4810	9330 6220 3110
Bobolink/ACSS	1431	45x0.1783	7x0.1189	1.2013	1.1236	1.426	1611	1348	263	83.67	16.33	25100	27000	30500	RMT 96.60 RMT 90.45 RM 68.38	16140 10755 5385	10000 6665 3335
Wagtail/ACSS	1431	48x0.1727	7x0.1343	1.2235	1.1244	1.439	1684	1348	336	80.06	19.94	29500	31500	35900	RMT 96.60 RMT 90.45 RMT 84.36	17995 12000 6000	10660 7110 3555
Plover/ACSS	1431	54x0.1628	19x0.0977	1.2665	1.1241	1.465	1838	1354	483	73.71	26.29	38400	41900	48300	RMT 96.60 RMT 90.45	19025 10975	10350 5970
Nuthatch/ACSS	1510.5	45x0.1832	7x0.1221	1.2682	1.1862	1.466	1700	1423	277	83.68	16.32	26500	28100	31800	RMT 96.60 RMT 90.45 RM 68.38	16115 10745 5370	9480 6320 3160
Parrot/ACSS	1510.5	54x0.1672	19x0.1003	1.3358	1.1856	1.505	1939	1430	509	73.74	26.26	40500	44200	51000	RMT 96.60 RMT 90.45	18990 10950	9800 5650
Ratite/ACSS	1590	42x0.1946	7x0.1081	1.3134	1.2492	1.492	1715	1498	218	87.32	12.68	23400	25000	27900	RMT 96.60 RMT 90.45 RM 68.38	14405 9605 4800	8400 5600 2800
Lapwing/ACSS	1590	45x0.1880	7x0.1253	1.3355	1.2492	1.504	1790	1498	292	83.67	16.33	27900	29600	33500	RMT 96.60 RMT 90.45 RM 68.38	16110 10740 5370	9000 6000 3000
Hornbill/ACSS	1590	48x0.1820	7x0.1416	1.3590	1.2487	1.517	1871	1498	373	80.05	19.95	32200	34400	39400	RMT 96.60 RMT 90.45 RMT 84.36	17960 11975 5985	9600 6400 3200
Falcon/ACSS	1590	54x0.1716	19x0.1030	1.4072	1.2489	1.545	2042	1505	537	73.70	26.30	42600	46600	53700	RMT 96.60 RMT 90.45	19030 10965	9320 5370
Chukar/ACSS	1780	84x0.1456	19x0.0874	1.5126	1.3986	1.602	2071	1685	387	81.33	18.67	35300	38200	43900	RMT 96.60	19060	9200
Seahawk/ACSS	1869	68x0.1658	7x0.0921	1.5148	1.4681	1.603	1918	1760	158	91.77	8.23	21500	22700	24800	RMT 96.60	17345	9000
Mockingbird/ACSS	2034.5	72x0.1681	7x0.1121	1.6670	1.5979	1.681	2160	1926	234	89.17	10.83	27200	28900	32000	RMT 96.60	16115	7460
Roadrunner/ACSS	2057.5	76x0.1645	19x0.0768	1.7033	1.6152	1.700	2246	1947	299	86.71	13.29	31700	33900	38300	RMT 96.60	17520	7800
Bluebird/ACSS	2156	84x0.1602	19x0.0961	1.8310	1.6931	1.762	2508	2041	467	81.36	18.64	42100	45500	51700	RMT 96.60	18805	7500
Kiwi/ACSS	2167	72x0.1735	7x0.1157	1.7758	1.7022	1.735	2300	2051	249	89.17	10.83	29000	30800	34100	RMT 96.60	16100	7000
Thrasher/ACSS	2312	76x0.1744	19x0.0814	1.9144	1.8155	1.802	2524	2188	335	86.71	13.29	35600	38100	43000	RMT 96.60	17660	7000
Joree/ACSS	2515	76x0.1819	19x0.0849	2.0826	1.9750	1.880	2745	2380	365	86.71	13.29	38700	41400	46800	RMT 96.60	17295	6300

(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.

(3) Weights shown are for conductor only and do not include the reel. Normal length and shipping tolerances apply.

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, CONCENTRIC-LAY-STRANDED (ELECTRICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. INCHES	RESISTANCE (4) OHMS/1000 FT				AMPACITY (5)		GEOMETRIC MEAN RADIUS FT	INDUCTIVE REACTANCE OHM/1000 FT (6)	CAPACITIVE REACTANCE MEGAOHM 1000 FT (6)
		AL	STEEL	TOTAL	AL		DC @ 20°C	AC @ 25°C	AC @ 75°C	AC @ 200°C	75°C	200°C			
Diver/ACSS	1272	48x0.1628	7x0.1266	1.0873	0.9992	1.357	0.0131	0.0140	0.0172	0.0246	1185	2160	0.0450	0.0713	0.4500
Pheasant/ACSS	1272	54x0.1535	19x0.0921	1.1259	0.9993	1.381	0.0131	0.0139	0.0171	0.0246	1190	2175	0.0464	0.0706	0.4471
Ringdove/ACSS	1351.5	42x0.1794	7x0.0997	1.1163	1.0617	1.376	0.0124	0.0134	0.0163	0.0234	1220	2225	0.0451	0.0712	0.4478
Dipper/ACSS	1351.5	45x0.1733	7x0.1155	1.1348	1.0614	1.386	0.0124	0.0133	0.0163	0.0233	1225	2235	0.0457	0.0709	0.4466
-none-	1351.5	48x0.1678	7x0.1305	1.1551	1.0614	1.398	0.0123	0.0133	0.0162	0.0232	1230	2245	0.0464	0.0706	0.4452
Martin/ACSS	1351.5	54x0.1582	19x0.0949	1.1958	1.0614	1.424	0.0123	0.0132	0.0161	0.0231	1235	2260	0.0478	0.0699	0.4424
Popinjay/ACSS	1431	42x0.1846	7x0.1026	1.1820	1.1241	1.415	0.0117	0.0127	0.0155	0.0221	1260	2310	0.0464	0.0706	0.4434
Bobolink/ACSS	1431	45x0.1783	7x0.1189	1.2013	1.1236	1.426	0.0117	0.0127	0.0154	0.0220	1265	2320	0.0470	0.0703	0.4421
Wagtail/ACSS	1431	48x0.1727	7x0.1343	1.2235	1.1244	1.439	0.0117	0.0126	0.0153	0.0219	1270	2330	0.0477	0.0699	0.4408
Plover/ACSS	1431	54x0.1628	19x0.0977	1.2665	1.1241	1.465	0.0117	0.0125	0.0153	0.0219	1280	2350	0.0492	0.0692	0.4379
Nuthatch/ACSS	1510.5	45x0.1832	7x0.1221	1.2682	1.1862	1.466	0.0111	0.0121	0.0147	0.0209	1310	2405	0.0483	0.0696	0.4379
Parrot/ACSS	1510.5	54x0.1672	19x0.1003	1.3358	1.1856	1.505	0.0110	0.0119	0.0145	0.0207	1325	2435	0.0505	0.0686	0.4337
Ratite/ACSS	1590	42x0.1946	7x0.1081	1.3134	1.2492	1.492	0.0105	0.0116	0.0140	0.0199	1340	2475	0.0489	0.0694	0.4351
Lapwing/ACSS	1590	45x0.1880	7x0.1253	1.3355	1.2492	1.504	0.0105	0.0115	0.0140	0.0199	1350	2485	0.0496	0.0690	0.4338
Hornbill/ACSS	1590	48x0.1820	7x0.1416	1.3590	1.2487	1.517	0.0105	0.0114	0.0139	0.0198	1355	2500	0.0503	0.0687	0.4325
Falcon/ACSS	1590	54x0.1716	19x0.1030	1.4072	1.2489	1.545	0.0105	0.0114	0.0138	0.0197	1365	2520	0.0519	0.0680	0.4297
Chukar/ACSS	1780	84x0.1456	19x0.0874	1.5126	1.3986	1.602	0.0094	0.0104	0.0122	0.0169	1465	2750	0.0532	0.0674	0.4240
Seahawk/ACSS	1869	68x0.1658	7x0.0921	1.5148	1.4681	1.603	0.0090	0.0101	0.0119	0.0163	1490	2805	0.0523	0.0678	0.4239
Mockingbird/ACSS	2034.5	72x0.1681	7x0.1121	1.6670	1.5979	1.681	0.0083	0.0094	0.0110	0.0151	1565	2960	0.0551	0.0666	0.4164
Roadrunner/ACSS	2057.5	76x0.1645	19x0.0768	1.7033	1.6152	1.700	0.0082	0.0093	0.0108	0.0149	1580	2995	0.0560	0.0662	0.4146
Bluebird/ACSS	2156	84x0.1602	19x0.0961	1.8310	1.6931	1.762	0.0078	0.0088	0.0103	0.0141	1640	3105	0.0586	0.0652	0.4090
Kiwi/ACSS	2167	72x0.1735	7x0.1157	1.7758	1.7022	1.735	0.0078	0.0090	0.0104	0.0142	1620	3080	0.0569	0.0659	0.4115
Thrasher/ACSS	2312	76x0.1744	19x0.0814	1.9144	1.8155	1.802	0.0073	0.0085	0.0098	0.0134	1690	3220	0.0594	0.0649	0.4055
Joree/ACSS	2515	76x0.1819	19x0.0849	2.0826	1.9750	1.880	0.0067	0.0079	0.0092	0.0124	1765	3390	0.0619	0.0639	0.3989

(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.  
 (4) Based on a conductivity of 61.2% (minimum lot average) 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.  
 (5) Based on the given conductor temperature at 60 Hz and the following conditions: 25°C ambient temperature, 2 ft/sec crosswind (90° to conductor), 0.5 coefficient of emissivity, 0.5 coefficient of absorptivity, 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 sky radiated heat). Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.  
 (6) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.

