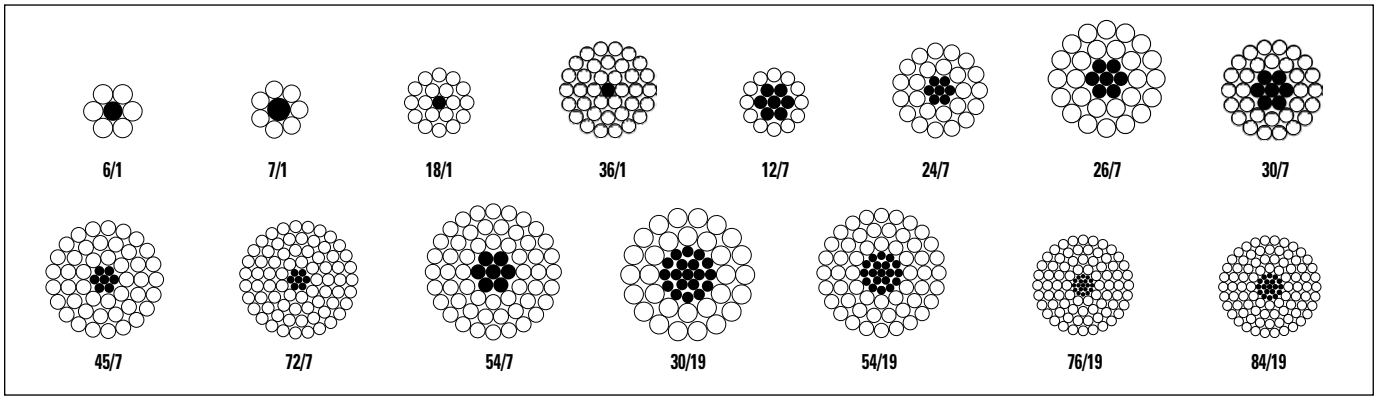
TransPowr® ACSR/AW Bare Overhead Conductor

Aluminum Conductor Aluminum-Clad Steel-Reinforced Concentric-Lay-Stranded



Product Construction:

Complete Conductor:

ACSR/AW is a composite concentric-lay-stranded conductor. ACSR/AW conductors are manufactured in accordance with the requirements of the latest issue of ASTM B549. Aluminum-clad steel strands form the central core of the conductor, around which is stranded one or more layers of aluminum 1350-H19 wires. The aluminum-clad steel core may consist of a single strand or a concentric stranded conductor of 7, 19, 37 or more wires. Numerous combinations of aluminum and steel strands and layers are possible. The sizes and strandings listed on the following pages are those most frequently used for overhead lines.

Features and Benefits:

The AW core, which consists of a thick layer of aluminum (approx. 10 percent of the nominal wire radius) over steel, gives ACSR/AW conductors the advantage of the light weight and good conductivity of aluminum with the high tensile strength and ruggedness of steel. The cross-sections above illustrate some common strandings.

Applications:

Aluminum conductors reinforced with aluminum-clad steel wire (ACSR/AW) are used for overhead distribution and transmission lines where a high degree of corrosion resistance is needed. It should also be considered for use in locations where air pollution exists, such as along the coast or in highly industrialized areas.

Options:

- E3X® surface coating (/E3X)
- Compact aluminum strands (ASTM B401)
- High-conductivity aluminum (/HC) (62.2% IACS)
- Trapezoidal-shaped aluminum strands (/TW)
- Non-specular surface finish (/NS)

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Aluminum Conductor Aluminum-Clad Steel-Reinforced Concentric-Lay-Stranded

ACSR/AW, ALUMINUM CONDUCTOR, ALUMINUM-CLAD, STEEL-REINFORCED, 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	
Swan/AW	#4	6x0.0834	1x0.0834	0.0382	0.0328	0.250	54.5	38.9	15.6	71.38%	28.62%	1780
Swanate/AW	#4	7x0.0772	1x0.1029	0.0411	0.0328	0.257	62.6	38.8	23.8	62.05%	37.95%	2280
Sparrow/AW	#2	6x0.1052	1x0.1052	0.0608	0.0522	0.316	86.8	61.9	24.8	71.38%	28.61%	2760
Sparate/AW	#2	7x0.0974	1x0.1299	0.0654	0.0522	0.325	99.7	61.8	37.9	62.02%	37.98%	3510
Robin/AW	#1	6x0.1181	1x0.1181	0.0767	0.0657	0.354	109.4	78.1	31.3	71.35%	28.61%	3450
Raven/AW	1/0	6x0.1327	1x0.1327	0.0968	0.0830	0.398	138.1	98.6	39.5	71.37%	28.62%	4250
Quail/AW	2/0	6x0.1489	1x0.1489	0.1219	0.1045	0.447	173.8	124.1	49.8	71.40%	28.62%	5130
Pigeon/AW	3/0	6x0.1672	1x0.1672	0.1537	0.1317	0.502	219.2	156.5	62.7	71.40%	28.62%	6300
Penguin/AW	4/0	6x0.1878	1x0.1878	0.1939	0.1662	0.563	276.5	197.4	79.1	71.39%	28.62%	7690
Waxwing/AW	266.8	18x0.1217	1x0.1217	0.2210	0.2094	0.608	282.7	249.4	33.2	88.22%	11.76%	6820
Spoonbill/AW	266.8	22x0.1101	7x0.0612	0.2300	0.2095	0.624	309.1	250.0	59.1	80.88%	19.12%	4970
Scaup/AW	266.8	24x0.1054	7x0.0703	0.2366	0.2094	0.632	328.1	250.1	78.0	76.23%	23.77%	5060
Partridge/AW	266.8	26x0.1013	7x0.0788	0.2437	0.2095	0.642	348.5	250.5	98.0	71.88%	28.11%	10800
Junco/AW	266.8	30x0.0943	7x0.0943	0.2584	0.2095	0.660	391.2	250.8	140.3	64.11%	35.86%	13500
Ostrich/AW	300.0	26x0.1074	7x0.0835	0.2739	0.2355	0.680	391.6	281.6	110.0	71.91%	28.09%	12100
Merlin/AW	336.4	18x0.1367	1x0.1367	0.2789	0.2642	0.684	356.7	314.7	41.9	88.23%	11.75%	8540
Trogon/AW	336.4	20x0.1297	7x0.0576	0.2825	0.2642	0.692	367.9	315.5	52.4	85.76%	14.23%	6140
Woodcock/AW	336.4	22x0.1237	7x0.0687	0.2903	0.2644	0.701	390.1	315.6	74.5	80.90%	19.09%	6150
Widgeon/AW	336.4	24x0.1184	7x0.0789	0.2985	0.2642	0.710	413.9	315.7	98.2	76.27%	23.73%	12000
Linnet/AW	336.4	26x0.1137	7x0.0884	0.3070	0.2640	0.720	438.9	315.6	123.3	71.91%	28.09%	13500
Oriole/AW	336.4	30x0.1059	7x0.1059	0.3259	0.2642	0.741	493.3	316.3	177.0	64.12%	35.88%	16700
Chickadee/AW	397.5	18x0.1486	1x0.1486	0.3295	0.3122	0.743	421.5	371.9	49.6	88.23%	11.76%	9780
Ptarmigan/AW	397.5	20x0.1410	7x0.0627	0.3339	0.3123	0.752	434.9	372.9	62.0	85.74%	14.26%	7120
Stork/AW	397.5	22x0.1344	7x0.0747	0.3428	0.3121	0.762	460.6	372.6	88.0	80.89%	19.12%	7260
Brant/AW	397.5	24x0.1287	7x0.0858	0.3527	0.3122	0.772	489.1	373.0	116.2	76.26%	23.76%	14100
Ibis/AW	397.5	26x0.1236	7x0.0961	0.3627	0.3120	0.783	518.7	372.9	145.7	71.89%	28.09%	15800
Lark/AW	397.5	30x0.1151	7x0.1151	0.3850	0.3121	0.806	582.7	373.7	209.1	64.13%	35.88%	19600
Pelican/AW	477.0	18x0.1628	1x0.1628	0.3955	0.3747	0.814	505.9	446.4	59.5	88.24%	11.76%	11500
Tailorbird/AW	477.0	20x0.1544	7x0.0686	0.4003	0.3745	0.823	521.4	447.1	74.3	85.75%	14.24%	8360
Toucan/AW	477.0	22x0.1472	7x0.0818	0.4112	0.3744	0.834	552.5	446.9	105.6	80.89%	19.11%	14700
Flicker/AW	477.0	24x0.1410	7x0.0940	0.4233	0.3747	0.846	587.1	447.7	139.4	76.26%	23.74%	16700
Hawk/AW	477.0	26x0.1354	7x0.1053	0.4353	0.3744	0.858	622.5	447.5	175.0	71.89%	28.11%	18900
Hen/AW	477.0	30x0.1261	7x0.1261	0.4621	0.3747	0.883	699.4	448.5	250.9	64.13%	35.87%	23400
Heron/AW	500.0	30x0.1291	7x0.1291	0.4843	0.3927	0.904	733.1	470.1	263.0	64.12%	35.88%	24100
Osprey/AW	556.5	18x0.1758	1x0.1758	0.4612	0.4369	0.879	589.9	520.5	69.4	88.24%	11.76%	13200
Tody/AW	556.5	20x0.1668	7x0.0741	0.4672	0.4370	0.890	608.5	521.8	86.6	85.75%	14.24%	9750
Sapsucker/AW	556.5	22x0.159	7x0.0883	0.4797	0.4368	0.901	644.4	521.4	123.0	80.91%	19.09%	17000
Parakeet/AW	556.5	24x0.1523	7x0.1015	0.4939	0.4372	0.914	684.8	522.3	162.6	76.27%	23.74%	19300
Dove/AW	556.5	26x0.1463	7x0.1138	0.5083	0.4371	0.927	726.9	522.5	204.4	71.88%	28.12%	21900
Eagle/AW	556.5	30x0.1362	7x0.1362	0.5391	0.4371	0.953	816.0	523.3	292.7	64.13%	35.87%	26800
Peacock/AW	605.0	24x0.1588	7x0.1059	0.5370	0.4753	0.953	744.8	567.8	177.0	76.24%	23.76%	21000
Squab/AW	605.0	26x0.1525	7x0.1186	0.5522	0.4749	0.966	789.7	567.7	222.0	71.89%	28.11%	23600
Wood Duck/AW	605.0	30x0.1420	7x0.1420	0.5860	0.4751	0.994	887.0	568.8	318.2	64.13%	35.87%	28400
Teal/AW	605.0	30x0.1420	19x0.0852	0.5834	0.4751	0.994	880.9	568.8	312.1	64.57%	35.43%	28500
Swift/AW	636.0	36x0.1329	1x0.1329	0.5133	0.4994	0.930	636.3	596.7	39.6	93.78%	6.23%	13600
Kingbird/AW	636.0	18x0.1880	1x0.1880	0.5274	0.4997	0.940	674.6	595.3	79.3	88.24%	11.76%	15000
Turacos/AW	636.0	20x0.1783	7x0.0792	0.5339	0.4994	0.951	695.2	596.2	99.0	85.76%	14.24%	16900
Goldfinch/AW	636.0	22x0.1700	7x0.0944	0.5483	0.4994	0.963	736.7	596.1	140.6	80.91%	19.09%	19400
Rook/AW	636.0	24x0.1628	7x0.1085	0.5643	0.4996	0.977	782.5	596.8	185.8	76.27%	23.74%	22000
Grosbeak/AW	636.0	26x0.1564	7x0.1216	0.5808	0.4995	0.990	830.5	597.1	233.3	71.90%	28.09%	24800
Scoter/AW	636.0	30x0.1456	7x0.1456	0.6160	0.4995	1.019	932.5	598.0	334.5	64.13%	35.87%	29300
Egret/AW	636.0	30x0.1456	19x0.0874	0.6135	0.4995	1.019	926.4	598.0	328.5	64.55%	35.46%	29900
Flamingo/AW	666.6	24x0.1667	7x0.1111	0.5917	0.5238	1.000	820.5	625.7	194.8	76.26%	23.74%	23100
Gannet/AW	666.6	26x0.1601	7x0.1245	0.6086	0.5234	1.014	870.3	625.7	244.6	71.89%	28.11%	26000
Stilt/AW	715.5	24x0.1727	7x0.1151	0.6350	0.5622	1.036	880.6	671.6	209.1	76.27%	23.75%	24800
Starling/AW	715.5	26x0.1659	7x0.1290	0.6535	0.5620	1.051	934.5	671.9	262.6	71.90%	28.10%	27500
Redwing/AW	715.5	30x0.1544	19x0.0926	0.6897	0.5617	1.081	1041.0	672.4	368.7	64.59%	35.42%	33400
Coot/AW	795.0	36x0.1486	1x0.1486	0.6417	0.6244	1.040	795.5	746.0	49.6	93.78%	6.23%	16600
Macaw/AW	795.0	42x0.1376	7x0.0764	0.6567	0.6246	1.055	841.2	749.0	92.1	89.04%	10.95%	14200
Turbit/AW	795.0	20x0.1994	7x0.0886	0.6677	0.6246	1.063	869.6	745.7	123.9	85.75%	14.25%	21200
Tern/AW	795.0	45x0.1329	7x0.0886	0.6674	0.6242	1.063	872.9	749.0	123.9	85.81%	14.19%	21500
Puffin/AW	795.0	22x0.1901	7x0.1056	0.6857	0.6244	1.077	921.3	745.3	176.0	80.90%	19.10%	24200
Cuckoo/AW	795.0	24x0.1820	7x0.1213	0.7053	0.6244	1.092	978.0	745.8	232.2	76.26%	23.74%	27500
Condor/AW	795.0	54x0.1213	7x0.1213	0.7049	0.6240	1.092	982.0	749.8	232.2	76.35%	23.65%	27800
Drake/AW	795.0	26x0.1749	7x0.1360	0.7263	0.6247	1.108	1039	746.8	291.9	71.88%	28.09%	30500
Mallard/AW	795.0	30x0.1628	19x0.0977	0.7669	0.6245	1.140	1158	747.6	410.5	64.56%	35.45%	37100

(1) Code words shown, including suffix /AW, denote ACSR with aluminum-clad steel core. 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.

General Cable

TransPowr® ACSR/AW Bare Overhead Conductor

Aluminum Conductor Aluminum-Clad Steel-Reinforced Concentric-Lay-Stranded

ACSR/AW, ALUMINUM CONDUCTOR, ALUMINUM-CLAD, STEEL-REINFORCED, 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)		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	STD.	E3X®			
Swan/AW	#4	6x0.0834	1x0.0834	0.0382	0.0328	0.250	0.390	0.398	0.507	140	150	0.0025	0.1376	0.7148
Swanate/AW	#4	7x0.0772	1x0.1029	0.0411	0.0328	0.257	0.379	0.388	0.505	140	150	0.0021	0.1416	0.7105
Sparrow/AW	#2	6x0.1052	1x0.1052	0.0608	0.0522	0.316	0.245	0.250	0.327	185	200	0.0039	0.1276	0.6785
Sparate/AW	#2	7x0.0974	1x0.1299	0.0654	0.0522	0.325	0.238	0.244	0.327	175	190	0.0036	0.1293	0.6740
Robin/AW	#1	6x0.1181	1x0.1181	0.0767	0.0657	0.354	0.195	0.199	0.263	215	235	0.0048	0.1229	0.6603
Raven/AW	1/0	6x0.1327	1x0.1327	0.0968	0.0830	0.398	0.154	0.157	0.211	245	270	0.0059	0.1181	0.6421
Quail/AW	2/0	6x0.1489	1x0.1489	0.1219	0.1045	0.447	0.122	0.125	0.172	280	310	0.0071	0.1136	0.6240
Pigeon/AW	3/0	6x0.1672	1x0.1672	0.1537	0.1317	0.502	0.0971	0.0991	0.139	320	355	0.0085	0.1095	0.6059
Penguin/AW	4/0	6x0.1878	1x0.1878	0.1939	0.1662	0.563	0.0770	0.0786	0.112	370	410	0.0101	0.1057	0.5877
Waxwing/AW	266.8	18x0.1217	1x0.1217	0.2210	0.2094	0.608	0.0635	0.0649	0.0777	450	500	0.0195	0.0905	0.5756
Spoonbill/AW	266.8	22x0.1101	7x0.0612	0.2300	0.2095	0.624	0.0627	0.0641	0.0767	455	510	0.0204	0.0894	0.5717
Scaup/AW	266.8	24x0.1054	7x0.0703	0.2366	0.2094	0.632	0.0622	0.0635	0.0760	460	515	0.0209	0.0889	0.5696
Partridge/AW	266.8	26x0.1013	7x0.0788	0.2437	0.2095	0.642	0.0615	0.0628	0.0752	465	520	0.0213	0.0885	0.5673
Junco/AW	266.8	30x0.0943	7x0.0943	0.2584	0.2095	0.660	0.0602	0.0615	0.0736	475	530	0.0222	0.0875	0.5629
Ostrich/AW	300.0	26x0.1074	7x0.0835	0.2739	0.2355	0.680	0.0547	0.0559	0.0669	500	560	0.0226	0.0871	0.5582
Merlin/AW	336.4	18x0.1367	1x0.1367	0.2789	0.2642	0.684	0.0504	0.0515	0.0617	520	585	0.0219	0.0878	0.5574
Trogon/AW	336.4	20x0.1297	7x0.0576	0.2825	0.2642	0.692	0.0502	0.0514	0.0615	525	585	0.0224	0.0873	0.5556
Woodcock/AW	336.4	22x0.1237	7x0.0687	0.2903	0.2644	0.701	0.0497	0.0509	0.0608	530	590	0.0229	0.0868	0.5535
Widgeon/AW	336.4	24x0.1184	7x0.0789	0.2985	0.2642	0.710	0.0493	0.0504	0.0603	535	595	0.0234	0.0863	0.5514
Linnet/AW	336.4	26x0.1137	7x0.0884	0.3070	0.2640	0.720	0.0488	0.0499	0.0597	540	605	0.0239	0.0858	0.5493
Oriole/AW	336.4	30x0.1059	7x0.1059	0.3259	0.2642	0.741	0.0478	0.0488	0.0584	550	615	0.0250	0.0848	0.5447
Chickadee/AW	397.5	18x0.1486	1x0.1486	0.3295	0.3122	0.743	0.0426	0.0437	0.0522	580	650	0.0239	0.0858	0.5443
Ptarmigan/AW	397.5	20x0.1410	7x0.0627	0.3339	0.3123	0.752	0.0425	0.0435	0.0521	580	655	0.0244	0.0853	0.5424
Stork/AW	397.5	22x0.1344	7x0.0747	0.3428	0.3121	0.762	0.0421	0.0431	0.0516	585	660	0.0249	0.0849	0.5404
Brant/AW	397.5	24x0.1287	7x0.0858	0.3527	0.3122	0.772	0.0417	0.0427	0.0510	590	665	0.0255	0.0843	0.5383
Ibis/AW	397.5	26x0.1236	7x0.0961	0.3627	0.3120	0.783	0.0413	0.0423	0.0506	595	670	0.0260	0.0839	0.5362
Lark/AW	397.5	30x0.1151	7x0.1151	0.3850	0.3121	0.806	0.0404	0.0414	0.0494	610	685	0.0271	0.0829	0.5317
Pelican/AW	477.0	18x0.1628	1x0.1628	0.3955	0.3747	0.814	0.0355	0.0365	0.0436	650	735	0.0261	0.0838	0.5300
Tailorbird/AW	477.0	20x0.1544	7x0.0686	0.4003	0.3745	0.823	0.0354	0.0364	0.0435	650	735	0.0267	0.0833	0.5282
Toucan/AW	477.0	22x0.1472	7x0.0818	0.4112	0.3744	0.834	0.0351	0.0360	0.0430	660	745	0.0273	0.0828	0.5262
Flicker/AW	477.0	24x0.1410	7x0.0940	0.4233	0.3747	0.846	0.0347	0.0356	0.0426	665	750	0.0279	0.0823	0.5240
Hawk/AW	477.0	26x0.1354	7x0.1053	0.4353	0.3744	0.858	0.0344	0.0353	0.0422	670	755	0.0285	0.0818	0.5219
Hen/AW	477.0	30x0.1261	7x0.1261	0.4621	0.3747	0.883	0.0337	0.0345	0.0412	680	775	0.0297	0.0808	0.5174
Heron/AW	500.0	30x0.1291	7x0.1291	0.4843	0.3927	0.904	0.0321	0.0329	0.0393	705	795	0.0304	0.0803	0.5137
Osprey/AW	556.5	18x0.1758	1x0.1758	0.4612	0.4369	0.879	0.0304	0.0313	0.0374	715	810	0.0282	0.0820	0.5180
Tody/AW	556.5	20x0.1668	7x0.0741	0.4672	0.4370	0.890	0.0304	0.0312	0.0373	720	815	0.0289	0.0814	0.5162
Sapsucker/AW	556.5	22x0.159	7x0.0883	0.4797	0.4368	0.901	0.0301	0.0309	0.0369	725	820	0.0295	0.0810	0.5142
Parakeet/AW	556.5	24x0.1523	7x0.1015	0.4939	0.4372	0.914	0.0298	0.0306	0.0365	730	830	0.0302	0.0804	0.5119
Dove/AW	556.5	26x0.1463	7x0.1138	0.5083	0.4371	0.927	0.0295	0.0303	0.0362	740	840	0.0308	0.0800	0.5098
Eagle/AW	556.5	30x0.1362	7x0.1362	0.5391	0.4371	0.953	0.0289	0.0296	0.0354	750	855	0.0321	0.0790	0.5053
Peacock/AW	605.0	24x0.1588	7x0.1059	0.5370	0.4753	0.953	0.0274	0.0282	0.0336	770	875	0.0314	0.0795	0.5054
Squab/AW	605.0	26x0.1525	7x0.1186	0.5522	0.4749	0.966	0.0271	0.0279	0.0333	775	885	0.0321	0.0790	0.5033
Wood Duck/AW	605.0	30x0.1420	7x0.1420	0.5860	0.4751	0.994	0.0266	0.0273	0.0326	790	905	0.0335	0.0780	0.4988
Teal/AW	605.0	30x0.1420	19x0.0852	0.5834	0.4751	0.994	0.0266	0.0273	0.0326	790	900	0.0335	0.0780	0.4988
Swift/AW	636.0	36x0.1329	1x0.1329	0.5133	0.4994	0.930	0.0270	0.0280	0.0347	755	855	0.0300	0.0806	0.5091
Kingbird/AW	636.0	18x0.1880	1x0.1880	0.5274	0.4997	0.940	0.0266	0.0275	0.0328	780	885	0.0302	0.0804	0.5075
Turacos/AW	636.0	20x0.1783	7x0.0792	0.5339	0.4994	0.951	0.0266	0.0274	0.0327	780	890	0.0309	0.0799	0.5057
Goldfinch/AW	636.0	22x0.1700	7x0.0944	0.5483	0.4994	0.963	0.0263	0.0271	0.0324	790	895	0.0315	0.0795	0.5037
Rook/AW	636.0	24x0.1628	7x0.1085	0.5643	0.4996	0.977	0.0261	0.0268	0.0320	795	905	0.0322	0.0790	0.5015
Grosbeak/AW	636.0	26x0.1564	7x0.1216	0.5808	0.4995	0.990	0.0258	0.0265	0.0317	800	915	0.0329	0.0785	0.4993
Scoter/AW	636.0	30x0.1456	7x0.1456	0.6160	0.4995	1.019	0.0253	0.0260	0.0310	815	935	0.0343	0.0775	0.4948
Egret/AW	636.0	30x0.1456	19x0.0874	0.6135	0.4995	1.019	0.0253	0.0260	0.0311	815	930	0.0344	0.0774	0.4948
Flamingo/AW	666.6	24x0.1667	7x0.1111	0.5917	0.5238	1.000	0.0249	0.0256	0.0306	820	935	0.0330	0.0784	0.4978
Gannet/AW	666.6	26x0.1601	7x0.1245	0.6086	0.5234	1.014	0.0246	0.0254	0.0303	825	940	0.0337	0.0779	0.4956
Stilt/AW	715.5	24x0.1727	7x0.1151	0.6350	0.5622	1.036	0.0232	0.0239	0.0285	855	980	0.0342	0.0776	0.4923
Starling/AW	715.5	26x0.1659	7x0.1290	0.6535	0.5620	1.051	0.0229	0.0236	0.0282	865	985	0.0349	0.0771	0.4901
Redwing/AW	715.5	30x0.1544	19x0.0926	0.6897	0.5617	1.081	0.0225	0.0232	0.0277	880	1005	0.0364	0.0761	0.4857
Coot/AW	795.0	36x0.1486	1x0.1486	0.6417	0.6244	1.040	0.0216	0.0226	0.0278	865	990	0.0336	0.0780	0.4916
Macaw/AW	795.0	42x0.1376	7x0.0764	0.6567	0.6246	1.055	0.0215	0.0224	0.0277	875	995	0.0344	0.0774	0.4895
Turbit/AW	795.0	20x0.1994	7x0.0886	0.6677	0.6246	1.063	0.0213	0.0220	0.0263	900	1025	0.0345	0.0774	0.4882
Tern/AW	795.0	45x0.1329	7x0.0886	0.6674	0.6242	1.063	0.0214	0.0223	0.0275	875	1000	0.0349	0.0771	0.4882
Puffin/AW	795.0	22x0.1901	7x0.1056	0.6857	0.6244	1.077	0.0210	0.0218	0.0260	905	1035	0.0353	0.0768	0.4862
Cuckoo/AW	795.0	24x0.1820	7x0.1213	0.7053	0.6244	1.092	0.0209	0.0216	0.0257	915	1045	0.0360	0.0764	0.4840
Condor/AW	795.0	54x0.1213	7x0.1213	0.7049	0.6240	1.092	0.0210	0.0218	0.0270	890	1020	0.0363	0.0762	0.4841
Drake/AW	795.0	26x0.1749	7x0.1360	0.7263	0.6247	1.108	0.0206	0.0213	0.0254	920	1055	0.0368	0.0759	0.4818
Mallard/AW	795.0	30x0.1628	19x0.0977	0.7669	0.6245	1.140	0.0203	0.0209	0.0249	940	1080	0.0384	0.0749	0.4773

(1) Code words shown, including suffix /AW, denote ACSR with aluminum-clad steel core. See the Options section to find the appropriate code word modifier designation for alternative design options.
(3) Based on a conductivity of 61.2% (minimum lot average) IACS at 20°C for aluminum and 20.3% IACS at 20°C for the aluminum-clad 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 of ohms/km, multiply by 3.281.
(4) Based on a conductor temperature of 75°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 a E3X coated conductor, 0.5 coefficient of absorptivity for a standard conductor and 0.2 for a 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/ft^2 of solar and radiated heat). Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.
(5) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.

General Cable

TransPowr® ACSR/AW Bare Overhead Conductor

Aluminum Conductor Aluminum-Clad Steel-Reinforced Concentric-Lay-Stranded

ACSR/AW, ALUMINUM CONDUCTOR, ALUMINUM-CLAD, STEEL-REINFORCED, 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	
Ruddy/AW	900.0	45x0.1414	7x0.0943	0.7555	0.7066	1.131	988.2	847.9	140.3	85.80%	14.20%	24000
Canary/AW	900.0	54x0.1291	7x0.1291	0.7985	0.7069	1.162	1112	849.4	263.0	76.38%	23.65%	31000
Catbird/AW	954.0	36x0.1628	1x0.1628	0.7702	0.7494	1.140	954.9	895.4	59.5	93.77%	6.23%	19500
Phoenix/AW	954.0	42x0.1507	7x0.0837	0.7877	0.7491	1.155	1009	898.5	110.5	89.05%	10.95%	22800
Corncrake/AW	954.0	20x0.2184	7x0.0971	0.8011	0.7492	1.165	1043	894.6	148.8	85.77%	14.27%	25100
Rail/AW	954.0	45x0.1456	7x0.0971	0.8011	0.7492	1.165	1048	899.0	148.8	85.78%	14.20%	25400
Towhee/AW	954.0	48x0.1410	7x0.1097	0.8157	0.7495	1.175	1090	899.7	189.9	82.54%	17.42%	27800
Redbird/AW	954.0	24x0.1994	7x0.1329	0.8466	0.7495	1.196	1174	895.3	278.7	76.26%	23.74%	32600
Cardinal/AW	954.0	54x0.1329	7x0.1329	0.8462	0.7491	1.196	1179	900.1	278.7	76.34%	23.64%	32900
Canvasback/AW	954.0	30x0.1783	19x0.107	0.9199	0.7491	1.248	1389	896.7	492.3	64.56%	35.44%	44500
Snowbird/AW	1033.5	42x0.1569	7x0.0872	0.8539	0.8121	1.203	1094	973.9	120.0	89.02%	10.97%	24800
Ortolan/AW	1033.5	45x0.1515	7x0.1010	0.8673	0.8112	1.212	1134	973.3	161.0	85.83%	14.20%	27100
Whooper/AW	1033.5	48x0.1467	7x0.1141	0.8829	0.8113	1.223	1179	974.0	205.4	82.61%	17.42%	30100
Curlew/AW	1033.5	54x0.1383	7x0.1383	0.9164	0.8112	1.245	1277	974.7	301.8	76.33%	23.63%	35100
Avocet/AW	1113.0	42x0.1628	7x0.0904	0.9192	0.8743	1.248	1177	1049	129.0	89.12%	10.96%	26600
Bluejay/AW	1113.0	45x0.1573	7x0.1049	0.9350	0.8745	1.259	1223	1049	173.6	85.77%	14.19%	29300
Bullfinch/AW	1113.0	48x0.1523	7x0.1185	0.9516	0.8744	1.269	1271	1050	221.6	82.61%	17.44%	32100
Finch/AW	1113.0	54x0.1436	19x0.0862	0.9854	0.8746	1.293	1370	1051	319.5	76.72%	23.32%	37500
Oxbird/AW	1192.5	42x0.1685	7x0.0936	0.9847	0.9366	1.292	1261	1123	138.2	89.06%	10.96%	28500
Bunting/AW	1192.5	45x0.1628	7x0.1085	1.0010	0.9367	1.302	1310	1124	185.8	85.80%	14.18%	31300
Cormorant/AW	1192.5	48x0.1576	7x0.1226	1.0190	0.9364	1.313	1361	1124	237.2	82.59%	17.43%	34300
Grackle/AW	1192.5	54x0.1486	19x0.0892	1.0550	0.9365	1.338	1467	1125	342.1	76.69%	23.32%	40200
Skylark/AW	1272.0	36x0.1880	1x0.1880	1.0270	0.9993	1.316	1273	1194	79.3	93.79%	6.23%	25700
Scissortail/AW	1272.0	42x0.1740	7x0.0967	1.0500	0.9987	1.334	1345	1198	147.6	89.07%	10.97%	30400
Bittern/AW	1272.0	45x0.1681	7x0.1121	1.0680	0.9987	1.345	1397	1198	198.3	85.76%	14.19%	33400
Diver/AW	1272.0	48x0.1628	7x0.1266	1.0870	0.9992	1.357	1452	1199	252.9	82.58%	17.42%	36600
Pheasant/AW	1272.0	54x0.1535	19x0.0921	1.1260	0.9993	1.382	1566	1201	364.8	76.69%	23.30%	42400
Ringdove/AW	1351.5	42x0.1794	7x0.0997	1.1160	1.0620	1.376	1430	1273	156.9	89.02%	10.97%	32400
Dipper/AW	1351.5	45x0.1733	7x0.1155	1.1350	1.0610	1.386	1484	1274	210.5	85.85%	14.18%	35500
1351.5/AW	1351.5	48x0.1678	7x0.1305	1.1550	1.0610	1.398	1543	1274	268.7	82.57%	17.41%	38500
Martin/AW	1351.5	54x0.1582	19x0.0949	1.1960	1.0610	1.424	1663	1275	387.3	76.67%	23.29%	45100
Popinjay/AW	1431.0	42x0.1846	7x0.1026	1.1820	1.1240	1.415	1514	1348	166.1	89.04%	10.97%	34300
Bobolink/AW	1431.0	45x0.1783	7x0.1189	1.2010	1.1240	1.427	1571	1348	223.1	85.81%	14.20%	37600
Wagtail/AW	1431.0	48x0.1727	7x0.1343	1.2240	1.1240	1.439	1634	1350	284.6	82.62%	17.42%	40700
Plover/AW	1431.0	54x0.1628	19x0.0977	1.2670	1.1240	1.465	1761	1351	410.5	76.72%	23.31%	47700
Nuthatch/AW	1510.5	45x0.1832	7x0.1221	1.2680	1.1860	1.466	1659	1423	235.3	85.77%	14.18%	39700
Parrot/AW	1510.5	54x0.1672	19x0.1003	1.3360	1.1860	1.505	1857	1425	432.6	76.74%	23.30%	50300
Ratite/AW	1590.0	42x0.1946	7x0.1081	1.3130	1.2490	1.492	1683	1498	184.4	89.01%	10.96%	38100
Lapwing/AW	1590.0	45x0.1880	7x0.1253	1.3350	1.2490	1.504	1747	1499	247.7	85.80%	14.18%	41800
Hornbill/AW	1590.0	48x0.1820	7x0.1416	1.3590	1.2490	1.517	1815	1499	316.4	82.59%	17.43%	44700
Falcon/AW	1590.0	54x0.1716	19x0.1030	1.4070	1.2490	1.545	1957	1501	456.2	76.70%	23.31%	53000
Chukar/AW	1780.0	84x0.1456	19x0.0874	1.5130	1.3990	1.602	2014	1686	328.5	83.71%	16.31%	49400
Seahawk/AW	1869.0	68x0.1658	7x0.0921	1.5150	1.4680	1.603	1901	1768	133.9	93.00%	7.04%	39500
Mockingbird/AW	2034.5	72x0.1681	7x0.1121	1.6670	1.5980	1.681	2123	1924	198.3	90.63%	9.34%	46100
Roadrunner/AW	2057.5	76x0.1645	19x0.0768	1.7030	1.6150	1.700	2200	1946	253.6	88.45%	11.53%	34900
Bluebird/AW	2156.0	84x0.1602	19x0.0961	1.8310	1.6930	1.762	2438	2041	397.1	83.72%	16.29%	59000
Kiwi/AW	2167.0	72x0.1735	7x0.1157	1.7760	1.7020	1.735	2261	2050	211.2	90.67%	9.34%	49100
Thrasher/AW	2312.0	76x0.1744	19x0.0814	1.9140	1.8160	1.802	2472	2187	284.9	88.47%	11.53%	55300
Joree/AW	2515.0	76x0.1819	19x0.0849	2.0830	1.9750	1.880	2689	2379	310.0	88.47%	11.53%	60200

ACSR/AW, ALUMINUM CONDUCTOR, ALUMINUM-CLAD, STEEL-REINFORCED, CONCENTRIC-LAY-STRANDED, HIGH-STRENGTH-STRANDING (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	
Grouse/AW	80.0	8x0.1000	1x0.1670	0.0847	0.0628	0.367	137.4	74.8	62.6	54.46%	45.55%	4890
Petrel/AW	101.8	12x0.0921	7x0.0921	0.1266	0.0799	0.460	229.4	95.6	133.9	41.66%	58.37%	9910
Minorca/AW	110.8	12x0.0961	7x0.0961	0.1378	0.0870	0.480	249.8	104.0	145.7	41.63%	58.33%	10800
Leghorn/AW	134.6	12x0.1059	7x0.1059	0.1674	0.1057	0.530	303.3	126.3	177.0	41.64%	58.36%	13000
Guinea/AW	159.0	12x0.1151	7x0.1151	0.1977	0.1249	0.576	358.3	149.3	209.1	41.67%	58.36%	15300
Dotterel/AW	176.9	12x0.1214	7x0.1214	0.2199	0.1389	0.607	398.6	166.0	232.6	41.65%	58.35%	16900
Dorking/AW	190.8	12x0.1261	7x0.1261	0.2373	0.1499	0.630	430.1	179.1	250.9	41.64%	58.34%	18300
Brahma/AW	203.2	16x0.1127	19x0.0977	0.3020	0.1596	0.714	602.1	191.6	410.5	31.82%	68.18%	27100
Cochin/AW	211.3	12x0.1327	7x0.1327	0.2628	0.1660	0.664	476.3	198.4	277.9	41.65%	58.35%	19800

(1) Code words shown, including suffix /AW, denote ACSR with aluminum-clad steel core. 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® ACSR/AW Bare Overhead Conductor

Aluminum Conductor Aluminum-Clad Steel-Reinforced Concentric-Lay-Stranded

ACSR/AW, ALUMINUM CONDUCTOR, ALUMINUM-CLAD, STEEL-REINFORCED, 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)		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	STD.	E3X®			
Ruddy/AW	900.0	45x0.1414	7x0.0943	0.7555	0.7066	1.131	0.0189	0.0198	0.0243	950	1085	0.0371	0.0757	0.4785
Canary/AW	900.0	54x0.1291	7x0.1291	0.7985	0.7069	1.162	0.0185	0.0194	0.0238	965	1105	0.0386	0.0748	0.4743
Catbird/AW	954.0	36x0.1628	1x0.1628	0.7702	0.7494	1.140	0.0180	0.0190	0.0233	970	1115	0.0368	0.0759	0.4773
Phoenix/AW	954.0	42x0.1507	7x0.0837	0.7877	0.7491	1.155	0.0179	0.0188	0.0231	980	1120	0.0377	0.0753	0.4752
Corncrake/AW	954.0	20x0.2184	7x0.0971	0.8011	0.7492	1.165	0.0177	0.0185	0.0220	1005	1155	0.0378	0.0753	0.4739
Rail/AW	954.0	45x0.1456	7x0.0971	0.8011	0.7492	1.165	0.0178	0.0187	0.0230	985	1130	0.0382	0.0750	0.4739
Towhee/AW	954.0	48x0.1410	7x0.1097	0.8157	0.7495	1.175	0.0177	0.0186	0.0228	990	1135	0.0387	0.0747	0.4725
Redbird/AW	954.0	24x0.1994	7x0.1329	0.8466	0.7495	1.196	0.0174	0.0181	0.0215	1025	1180	0.0395	0.0743	0.4697
Cardinal/AW	954.0	54x0.1329	7x0.1329	0.8462	0.7491	1.196	0.0175	0.0183	0.0225	1000	1150	0.0398	0.0741	0.4698
Canvasback/AW	954.0	30x0.1783	19x0.107	0.9199	0.7491	1.248	0.0169	0.0175	0.0208	1050	1215	0.0421	0.0728	0.4631
Snowbird/AW	1033.5	42x0.1569	7x0.0872	0.8539	0.8121	1.203	0.0165	0.0175	0.0214	1030	1180	0.0392	0.0744	0.4689
Ortolan/AW	1033.5	45x0.1515	7x0.1010	0.8673	0.8112	1.212	0.0164	0.0174	0.0213	1035	1190	0.0397	0.0741	0.4677
Whooper/AW	1033.5	48x0.1467	7x0.1141	0.8829	0.8113	1.223	0.0163	0.0172	0.0211	1040	1195	0.0403	0.0738	0.4663
Curlew/AW	1033.5	54x0.1383	7x0.1383	0.9164	0.8112	1.245	0.0161	0.0170	0.0208	1050	1210	0.0414	0.0732	0.4635
Avocet/AW	1113.0	42x0.1628	7x0.0904	0.9192	0.8743	1.248	0.0153	0.0163	0.0199	1075	1240	0.0407	0.0736	0.4631
Bluejay/AW	1113.0	45x0.1573	7x0.1049	0.9350	0.8745	1.259	0.0153	0.0162	0.0198	1080	1245	0.0413	0.0732	0.4618
Bullfinch/AW	1113.0	48x0.1523	7x0.1185	0.9516	0.8744	1.269	0.0152	0.0160	0.0196	1090	1255	0.0418	0.0730	0.4605
Finch/AW	1113.0	54x0.1436	19x0.0862	0.9854	0.8746	1.293	0.0150	0.0158	0.0194	1100	1270	0.0430	0.0723	0.4576
Oxbird/AW	1192.5	42x0.1685	7x0.0936	0.9847	0.9366	1.292	0.0143	0.0153	0.0186	1120	1295	0.0421	0.0728	0.4577
Bunting/AW	1192.5	45x0.1628	7x0.1085	1.0010	0.9367	1.302	0.0142	0.0152	0.0185	1130	1305	0.0427	0.0725	0.4564
Cormorant/AW	1192.5	48x0.1576	7x0.1226	1.0190	0.9364	1.313	0.0142	0.0150	0.0184	1135	1310	0.0433	0.0722	0.4551
Grackle/AW	1192.5	54x0.1486	19x0.0892	1.0550	0.9365	1.338	0.0140	0.0148	0.0181	1150	1330	0.0445	0.0715	0.4522
Skylark/AW	1272.0	36x0.1880	1x0.1880	1.0270	0.9993	1.316	0.0135	0.0145	0.0176	1160	1340	0.0425	0.0726	0.4548
Scissortail/AW	1272.0	42x0.1740	7x0.0967	1.0500	0.9987	1.334	0.0134	0.0144	0.0175	1165	1350	0.0435	0.0720	0.4527
Bittern/AW	1272.0	45x0.1681	7x0.1121	1.0680	0.9987	1.345	0.0134	0.0143	0.0174	1175	1360	0.0441	0.0717	0.4514
Diver/AW	1272.0	48x0.1628	7x0.1266	1.0870	0.9992	1.357	0.0133	0.0142	0.0173	1180	1365	0.0447	0.0714	0.4500
Pheasant/AW	1272.0	54x0.1535	19x0.0921	1.1260	0.9993	1.382	0.0131	0.0139	0.0170	1195	1385	0.0460	0.0708	0.4472
Ringdove/AW	1351.5	42x0.1794	7x0.0997	1.1160	1.0620	1.376	0.0126	0.0136	0.0165	1210	1405	0.0449	0.0713	0.4479
Dipper/AW	1351.5	45x0.1733	7x0.1155	1.1350	1.0610	1.386	0.0126	0.0135	0.0164	1220	1410	0.0455	0.0710	0.4466
1351.5/AW	1351.5	48x0.1678	7x0.1305	1.1550	1.0610	1.398	0.0125	0.0134	0.0163	1225	1420	0.0461	0.0707	0.4453
Martin/AW	1351.5	54x0.1582	19x0.0949	1.1960	1.0610	1.424	0.0123	0.0132	0.0161	1240	1440	0.0474	0.0701	0.4425
Popinjay/AW	1431.0	42x0.1846	7x0.1026	1.1820	1.1240	1.415	0.0119	0.0129	0.0157	1255	1455	0.0462	0.0707	0.4434
Bobolink/AW	1431.0	45x0.1783	7x0.1189	1.2010	1.1240	1.427	0.0119	0.0128	0.0156	1260	1465	0.0468	0.0704	0.4422
Wagtail/AW	1431.0	48x0.1727	7x0.1343	1.2240	1.1240	1.439	0.0118	0.0127	0.0154	1270	1475	0.0474	0.0701	0.4408
Plover/AW	1431.0	54x0.1628	19x0.0977	1.2670	1.1240	1.465	0.0117	0.0125	0.0152	1285	1495	0.0488	0.0694	0.4380
Nuthatch/AW	1510.5	45x0.1832	7x0.1221	1.2680	1.1860	1.466	0.0112	0.0122	0.0148	1300	1515	0.0480	0.0698	0.4379
Parrot/AW	1510.5	54x0.1672	19x0.1003	1.3360	1.1860	1.505	0.0111	0.0119	0.0144	1325	1545	0.0501	0.0688	0.4338
Ratite/AW	1590.0	42x0.1946	7x0.1081	1.3130	1.2490	1.492	0.0107	0.0118	0.0142	1335	1555	0.0487	0.0695	0.4351
Lapwing/AW	1590.0	45x0.1880	7x0.1253	1.3350	1.2490	1.504	0.0107	0.0117	0.0141	1345	1565	0.0493	0.0692	0.4339
Hornbill/AW	1590.0	48x0.1820	7x0.1416	1.3590	1.2490	1.517	0.0106	0.0116	0.0140	1350	1575	0.0500	0.0688	0.4326
Falcon/AW	1590.0	54x0.1716	19x0.1030	1.4070	1.2490	1.545	0.0105	0.0114	0.0138	1370	1600	0.0514	0.0682	0.4297
Chukar/AW	1780.0	84x0.1456	19x0.0874	1.5130	1.3990	1.602	0.00954	0.0105	0.0123	1465	1715	0.0529	0.0676	0.4240
Seahawk/AW	1869.0	68x0.1658	7x0.0921	1.5150	1.4680	1.603	0.00923	0.0103	0.0121	1475	1730	0.0522	0.0679	0.4239
Mockingbird/AW	2034.5	72x0.1681	7x0.1121	1.6670	1.5980	1.681	0.00845	0.00957	0.0111	1555	1830	0.0549	0.0667	0.4164
Roadrunner/AW	2057.5	76x0.1645	19x0.0768	1.7030	1.6150	1.700	0.00833	0.00942	0.0110	1575	1850	0.0558	0.0663	0.4147
Bluebird/AW	2156.0	84x0.1602	19x0.0961	1.8310	1.6930	1.762	0.00788	0.00891	0.0104	1635	1925	0.0582	0.0654	0.4091
Kiwi/AW	2167.0	72x0.1735	7x0.1157	1.7760	1.7020	1.735	0.00793	0.00910	0.0106	1610	1900	0.0567	0.0660	0.4115
Thrasher/AW	2312.0	76x0.1744	19x0.0814	1.9140	1.8160	1.802	0.00741	0.00857	0.00993	1680	1985	0.0591	0.0650	0.4055
Joree/AW	2515.0	76x0.1819	19x0.0849	2.0830	1.9750	1.880	0.00681	0.00803	0.00926	1760	2085	0.0616	0.0641	0.3990

ACSR/AW, ALUMINUM CONDUCTOR, ALUMINUM-CLAD, STEEL-REINFORCED, CONCENTRIC-LAY-STRANDED, HIGH-STRENGTH-STRANDING (ELECTRICAL PROPERTIES)

CODE WORD (1)	SIZE AWG OR kcmil	STRANDING NO. X DIA. INCHES		CROSS-SECTION SQ. INCHES		O.D. IN	RESISTANCE OHMS/KFT			AMPACITY @75°C		GEOMETRIC MEAN RADIUS FT	INDUCTIVE REACTANCE OHM/KFT	CAPACITIVE REACTANCE MEGAOHM/KFT
		AL	STEEL	TOTAL	AL		DC @20°C	AC @25°C	AC @75°C	STD.	E3X®			
Grouse/AW	80.0	8x0.1000	1x0.1670	0.0847	0.0628	0.367	0.193	0.197	0.274	210	230	0.0037	0.1287	0.6548
Petrel/AW	101.8	12x0.0921	7x0.0921	0.1266	0.0799	0.460	0.142	0.146	0.220	250	275	0.0036	0.1295	0.6193
Minorca/AW	110.8	12x0.0961	7x0.0961	0.1378	0.0870	0.480	0.131	0.134	0.205	260	290	0.0039	0.1275	0.6126
Leghorn/AW	134.6	12x0.1059	7x0.1059	0.1674	0.1057	0.530	0.107	0.110	0.175	290	320	0.0048	0.1226	0.5974
Guinea/AW	159.0	12x0.1151	7x0.1151	0.1977	0.1249	0.576	0.0910	0.0933	0.153	315	350	0.0057	0.1189	0.5844
Dotterel/AW	176.9	12x0.1214	7x0.1214	0.2199	0.1389	0.607	0.0818	0.0839	0.141	335	375	0.0062	0.1167	0.5760
Dorking/AW	190.8	12x0.1261	7x0.1261	0.2373	0.1499	0.630	0.0758	0.0778	0.133	350	390	0.0065	0.1157	0.5701
Brahma/AW	203.2	16x0.1127	19x0.0977	0.3020	0.1596	0.714	0.0658	0.0672	0.120	380	420	0.0075	0.1124	0.5506
Cochin/AW	211.3	12x0.1327	7x0.1327	0.2628	0.1660	0.664	0.0685	0.0702	0.121	370	410	0.0074	0.1129	0.5621

(1) Code words shown, including suffix /AW, denote ACSR with aluminum-clad steel core. See the Options section to find the appropriate code word modifier designation for alternative design options.
(3) Based on a conductivity of 61.2% (minimum lot average) IACS at 20°C for aluminum and 20.3% IACS at 20°C for the aluminum-clad 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 of ohms/km, multiply by 3.281.
(4) Based on a conductor temperature of 75°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 a E3X coated conductor, 0.5 coefficient of absorptivity for a standard conductor and 0.2 for a 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/ft^2 of solar and radiated heat). Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.
(5) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.

General Cable