



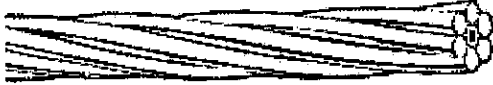
DeKalb, Illinois 60115  
 813 E. Locust St.  
 P.O. BOX 965  
 815-756-2741  
 800-435-4481

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## ACSR/AW WITH ALUMA CLAD CORE



### DESCRIPTION

Concentric-lay-stranded conductors made from round aluminum 1350-H-19 aluminum wires and round aluminum-clad steel core wires.

### APPLICATION

ACSR/AW is primarily used as the phase conductor for overhead transmission and distribution. It is preferred over conventional ACSR because of its higher corrosion resistance, lighter weight, longer service life and reduced power loss.

### SPECIFICATION

ASTM B-549  
 ASTM B-230  
 ASTM B-502

Conductor Code Word	Area Alum. Wires AWG or Kcmil	Total Alum. Area Kcmil	Total CrossSectional Area Sq. In.	Outside Diameter In.	Stranding al/W	Individual Wire Dia. Alum. In.	Individual Wire Dia. AlumaClad In.	Rated Strength Lbs.	Weight Total (Lbs.)/1,000 Ft.	Weight Alum. (Lbs.)/1,000 Ft.	Weight AlumaClad (Lbs.)/1,000 Ft.
Swan/AW	4	43.47	0.03824	0.250	6/1	0.0834	0.0834	1,783	54.6	39.0	15.6
Swanate/AW	4	44.37	0.04108	0.257	7/1	0.0772	0.1029	2,279	62.7	39.0	23.7
Sparrow/AW	2	69.17	0.06084	0.316	6/1	0.1052	0.1052	2,760	86.8	62.0	24.8
Sparate/AW	2	69.17	0.06541	0.325	7/1	0.0974	0.1299	3,510	99.9	62.1	37.8
Robin/AW	1	87.32	0.07681	0.355	6/1	0.1182	0.1182	3,455	109.6	78.3	31.3
Raven/AW	1/0	110.1	0.09681	0.398	6/1	0.1327	0.1327	4,249	138.2	98.7	39.5
Quail/AW	2/0	138.8	0.1221	0.447	6/1	0.1490	0.1490	5,139	174.2	124.4	49.8
Pigeon/AW	3/0	174.7	0.1537	0.502	6/1	0.1672	0.1672	6,302	219.4	156.7	62.7
Penguin/AW	4/0	220.4	0.1939	0.563	6/1	0.1878	0.1878	7,685	276.8	197.7	79.1
Waxwing/AW	266.8	270.3	0.2210	0.609	18/1	0.1217	0.1217	6,822	283.5	250.3	33.2
Partridge/AW	266.8	277.7	0.2437	0.642	26/7	0.1013	0.0788	10,800	349.6	251.7	97.9
Ostrich/AW	300.0	312.1	0.2739	0.680	26/7	0.1074	0.0835	12,130	392.8	282.9	109.9
Merlin/AW	336.4	341.0	0.2789	0.684	18/1	0.1367	0.1367	8,538	357.7	315.8	41.9
Linnet/AW	336.4	350.4	0.3075	0.721	26/7	0.1138	0.0885	13,510	441.1	317.6	123.5
Oriole/AW	336.4	356.0	0.3259	0.741	30/7	0.1059	0.1059	16,750	495.1	318.1	177.0
Chickadee/AW	397.5	403.0	0.3295	0.743	18/1	0.1486	0.1486	9,777	422.6	373.1	49.5
Brant/AW	397.5	410.4	0.3527	0.722	24/7	0.1287	0.0858	14,060	491.0	375.0	116.0
Ibis/AW	397.5	413.4	0.3627	0.783	26/7	0.1236	0.0961	15,780	520.3	374.7	145.6
Lark/AW	397.5	420.6	0.3850	0.806	30/7	0.1511	0.1151	19,630	584.9	375.8	209.1
Pelican/AW	477.0	483.7	0.3955	0.814	18/1	0.1628	0.1628	11,460	507.2	447.8	59.4
Flicker/AW	477.0	492.0	0.4222	0.846	24/7	0.1410	0.0940	16,700	589.4	450.1	139.3
Hawk/AW	477.0	496.8	0.4360	0.858	26/7	0.1355	0.1054	18,980	625.4	450.3	175.1
Hen/AW	477.0	504.9	0.4621	0.883	30/7	0.1261	0.1261	23,400	702.0	451.1	250.9
Osprey/AW	556.5	564.0	0.4612	0.879	18/1	0.1758	0.1758	13,250	591.5	522.2	69.3

Parakeet/AW	556.5	574.7	0.4939	0.914	24/7	0.1523	0.1015	19,270	687.5	252.1	162.4
Dove/AW	556.5	579.2	0.5083	0.927	26/7	0.1463	0.1138	21,920	729.1	524.9	204.2
Eagle/AW	556.5	589.0	0.5391	0.953	30/7	0.1362	0.1362	26,810	819.0	526.3	292.7
Peacock/AW	605.0	624.8	0.5370	0.953	24/7	0.1588	0.1059	20,970	747.7	570.9	176.8
Squab/AW	605.0	629.3	0.5522	0.966	26/7	0.1525	0.1186	23,590	792.1	570.4	221.7
Teal/AW	605.0	639.4	0.5834	0.994	30/19	0.1420	0.0852	28,450	883.2	572.0	311.2
Kingbird/AW	636.0	645.0	0.5274	0.940	18/1	0.1880	0.1880	15,020	676.5	597.2	79.3
Rook/AW	636.0	656.7	0.5643	0.977	24/7	0.1628	0.1085	22,020	785.6	600.0	185.6
Grosbeak/AW	636.0	661.9	0.5808	0.990	26/7	0.1564	0.1216	24,810	833.0	599.9	233.1
Egret/AW	636.0	672.3	0.6135	1.019	30/19	0.1456	0.0874	29,930	928.9	601.4	327.5
Flamingo/AW	666.6	688.5	0.5917	1.000	24/7	0.1667	0.1111	23,090	823.7	629.1	194.6
Gannet/AW	666.6	693.6	0.6086	1.014	26/7	0.1601	0.1245	26,000	873.0	628.7	244.3
Starling/AW	715.5	744.7	0.6535	1.051	26/7	0.1659	0.1290	27,480	937.3	675.0	262.3
Redwing/AW	715.5	755.9	0.6897	1.081	30/19	0.1544	0.0926	33,390	1044.0	676.0	368.0
Tern/AW	795.0	808.5	0.6674	1.063	45/7	0.1329	0.0886	21,450	873.4	749.7	123.7
Cuckoo/AW	795.0	820.7	0.7053	1.092	24/7	0.1820	0.1213	27,520	981.8	749.9	231.9
Condor/AW	795.0	821.6	0.7061	1.093	54/7	0.1214	0.1214	27,830	982.8	750.7	232.1
Drake/AW	795.0	827.7	0.7263	1.108	26/7	0.1749	0.1360	30,540	1042.0	750.0	292.0
Mallard/AW	795.0	840.5	0.7669	1.140	30/19	0.1628	0.0977	37,110	1161.0	752.0	409.0
Ruddy/AW	900.0	915.2	0.7555	1.131	45/7	0.1414	0.0943	23970	988.9	848.7	140.2
Canary/AW	900.0	929.2	0.7984	1.162	54/7	0.1291	0.1291	31900	1111.0	849.0	262.0
Catbird/AW	954.0	960.7	0.7702	1.140	36/1	0.1628	0.1628	19460	955.0	938.0	6.2
Rail/AW	954.0	970.5	0.8010	1.165	45/7	0.1456	0.0971	25400	1049.0	900.0	149
Cardinal/AW	954.0	984.9	0.8462	1.196	54/7	0.1329	0.1329	32900	1178.0	900.0	278
Curlew/AW	1033.5	1067.0	0.9163	1.244	54/7	0.1383	0.1383	35100	1275.0	974.0	301
Bluejay/AW	1113.0	1132.0	0.9350	1.259	45/7	0.1573	0.1049	29300	1224.0	1050.0	174
Finch/AW	1113.0	1148.0	0.9854	1.293	54/19	0.1436	0.0862	37500	1374.0	1055.0	319
Bunting/AW	1192.5	1213.0	1.001	1.302	45/7	0.1628	0.1085	31300	1311.0	1125.0	186
Bittern/AW	1272.0	1294.0	1.068	1.345	45/7	0.1681	0.1121	33400	1398.0	1200.0	198
Pheasant/AW	1272.0	1312.0	1.126	1.382	54/19	0.1535	0.0921	42400	1570.0	1206.0	364

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