DAL International, Inc.

ACSR/AW - Aluminum Conductor Aluminum Clad Steel Reinforced

Code Word	Size AWG	Stranding (AL/AW)	Diameter (in)				Resistance OHMS/1000 Ft.		Allowable Ampacity (Amps)	Weight Lbs/1000 Ft.			Breaking Strength (Lbs)
			Individual Wires		AW Core	Complete Cable OD	DC @ 20°C	AC @ 75°C		AL	AW	Total	
			AL	AW									
Swan/AW	4	6/1	0.0834	0.0834	0.0834	0.25	0.3917	0.4770	145	39	16	55	1,780
Swanate/AW	4	7/1	0.0772	0.1029	0.1029	0.257	0.3814	0.4642	148	39	24	63	2,280
Sparrow/AW	2	6/1	0.1052	0.1052	0.1052	0.316	0.2462	0.2997	194	62	25	87	2,760
Sparate/AW	2	7/1	0.0974	0.1299	0.1299	0.325	0.2396	0.2917	198	62	38	100	3,510
Robin/AW	1	6/1	0.1181	0.1181	0.1181	0.354	0.1950	0.2373	225	78.2	31	109	3,450
Raven/AW	1/0	6/1	0.1327	0.1327	0.1327	0.398	0.1547	0.1884	260	98.7	39	138	4,250
Quail/AW	2/0	6/1	0.1489	0.1489	0.1489	0.447	0.1227	0.1494	301	124.3	50	174	5,130
Pigeon/AW	3/0	6/1	0.1672	0.1672	0.1672	0.502	0.09747	0.1188	347	156.7	63	219	6,300
Penguin/AW	4/0	6/1	0.1878	0.1878	0.1878	0.563	0.07726	0.09422	402	197.7	79	277	7,690
Waxwing/AW	266.8	18/1	0.1217	0.1217	0.1217	0.609	0.06364	0.07776	451	250.3	33	283	6,820
Partdrige/AW	266.8	26/7	0.1013	0.0788	0.2364	0.642	0.06169	0.07541	465	251.7	98	349	10,800
Ostrich/AW	300.0	26/7	0.1074	0.0835	0.2505	0.68	0.05489	0.06712	500	282.9	110	393	12,100
Merlin/AW	336.4	18/1	0.1367	0.1367	0.1367	0.683	0.05044	0.06175	522	315.8	42	357	8,540
Linnet/AW	336.4	26/7	0.1137	0.0884	0.2642	0.72	0.04897	0.05989	537	317.1	123	440	13,500
Oriole/AW	336.4	30/7	0.1059	0.1059	0.3117	0.741	0.04795	0.05861	547	318.2	177	494	16,700
Chickadee/AW	397.5	18/1	0.1486	0.1486	0.1486	0.743	0.04268	0.05230	580	373.1	50	422	9,780
Brant/AW	397.5	24/7	0.1287	0.0858	0.2574	0.772	0.04185	0.05124	592	375	116	490	14,100
Ibis/AW	397.5	26/7	0.1236	0.0961	0.2882	0.783	0.04144	0.05072	597	374.7	146	520	15,800
Lark/AW	397.5	30/7	0.1151	0.1151	0.3453	0.806	0.04059	0.04965	608	375.8	209	584	19,600
Pelican/AW	477.0	18/1	0.1628	0.1628	0.1628	0.814	0.03556	0.04344	651	447.8	59	507	11,500
Flicker/AW	477.0	24/7	0.141	0.094	0.282	0.846	0.03487	0.04273	663	450.1	139	589	16,700
Hawk/AW	477.0	26/7	0.1354	0.1053	0.3159	0.858	0.03453	0.04231	669	449.6	175	624	18,900
Hen/AW	477.0	30/7	0.1261	0.1261	0.3783	0.883	0.03382	0.04139	682	451.1	251	701	23,400
Osprey/AW	556.5	18/1	0.1758	0.1758	0.1758	0.879	0.03050	0.03749	715	522.2	69	591	13,200
Parakeet/AW	556.5	24/7	0.1523	0.1015	0.3045	0.914	0.02989	0.03667	731	525.1	163	687	19,300
Dove/AW	556.5	26/7	0.1463	0.1138	0.3414	0.927	0.02958	0.03627	737	525	204	728	21,900
Eagle/AW	556.5	30/7	0.1362	0.1362	0.4086	0.953	0.02899	0.03551	751	526.3	293	818	26,800
Peacock/AW	605.0	24/7	0.1588	0.1059	0.3177	0.953	0.02749	0.03377	770	570.9	177	746	21,000
Squab/AW	605.0	26/7	0.1525	0.1186	0.3558	0.966	0.02588	0.03341	777	570.4	222	792	23,600
Teal/AW	605.0	30/19	0.142	0.0852	0.426	0.994	0.02672	0.03274	791	572	311	883	28500
Kingbird/AW	636.0	18/1	0.188	0.188	0.188	0.94	0.02667	0.03286	778	597.2	79	675	15,000
Rook/AW	636.0	24/7	0.1628	0.1085	0.3255	0.977	0.02616	0.03216	794	600	186	785	22,000
Grosbeak/AW	636.0	26/7	0.1564	0.1216	0.3648	0.99	0.02588	0.03179	801	597.9	233	832	24,800
Flamingo/AW	666.6	24/7	0.1667	0.111	0.333	1	0.02495	0.03069	818	629.1	195	823	23,100
Gannet/AW	666.6	26/7	0.1601	0.1245	0.373	1.014	0.02470	0.03034	825	628.7	245	872	26,000
Starling/AW	715.5	26/7	0.1659	0.129	0.387	1.051	0.02300	0.02830	863	675	263	936	27,500
Redwing/AW	715.5	30/19	0.1544	0.926	0.463	1.081	0.0226	0.02777	878	676.3	368	1044	33,400
Cuckoo/AW	795.0	24/7	0.182	0.1213	0.364	1.092	0.02093	0.02582	913	749.9	232	981	27,500
Drake/AW	795.0	26/7	0.1749	0.136	0.408	1.108	0.02070	0.02549	922	750.3	292	1040	30,500
Tern/AW	795.0	45/7	0.1329	0.0886	0.2548	1.063	0.02135	0.02638	896	749.8	124	873	21,500
Condor/AW	795.0	54/7	0.1213	0.1213	0.3639	1.092	0.02091	0.02578	913	749.5	232	981	27,800
Mallard/AW	795.0	30/19	0.1628	0.0977	0.4885	1.14	0.02033	0.02500	938	751.9	409	1160	37,100
Ruddy/AW	900.0	45/7	0.1414	0.0943	0.2829	1.131	0.01886	0.02330	970	848.7	140	988	24,000
Canary/AW	900.0	54/7	0.1291	0.1291	0.3873	1.162	0.01849	0.02286	986	849	263	1111	31,000
Rail/AW	954.0	45/7	0.1456	0.0971	0.2913	1.165	0.01779	0.02210	1003	899.9	149	1047	25,400
Cardinal/AW	954.0	54/7	0.1329	0.1329	0.3987	1.196	0.01744	0.02161	1022	900.7	279	1177	32,900
Ortolan/AW	1033.5	45/7	0.1515	0.101	0.303	1.212	0.1641	0.02044	1054	974.3	161	1134	27,200
Curlew/AW	1033.5	54/7	0.1383	0.1383	0.4149	1.245	0.01609	0.01997	1074	974.3	302	1275	35,200
Bluejay/AW	1113.0	45/7	0.1573	0.1049	0.3147	1.259	0.01606	0.01905	1103	1050	173	1222	29,300
Pheasant/AW	1272.0	54/19	0.1535	0.0921	0.4605	1.382	0.01315	0.01646	1216	1206	364	1568	42,400
Boblink/AW	1431.0	45/7	0.1783	0.1189	0.3567	1.427	0.01186	0.01503	1283	1350	223	1571	37,600
Lapwing/AW	1590.0	45/7	0.188	0.1253	0.3759	1.504	0.01069	0.01366	1365	1498	248	1745	41,800

* Current ratings are based on 75°C conductor temperature, 25°C ambient, 2ft/s wind, sun, .05 coefficients of emissivity and absorption.

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Code Word	Size AWG	Stranding (AL/AW)	Diameter (in)				Resistance OHMS/1000 Ft.		Allowable Ampacity (Amps)	Weight Lbs/1000 Ft.			Breaking Strength (Lbs)
			Individual Wires		AW Core	Complete Cable OD	DC @ 20°C	AC @ 75°C		AL	AW	Total	
			AL	AW									
HIGH MECHANICAL STRENGTH													
Grouse/AW	80.0	8/1	0.1000	0.1670	0.1670	0.367	0.1942	0.2357	227	75.1	62.6	137.7	4,890
Petrel/AW	101.8	12/7	0.921	0.921	0.2763	0.461	0.1425	0.174	281	96	133.9	229.9	9,910
Minorca/AW	110.8	12/7	0.961	0.961	0.2883	0.481	0.1326	0.1594	297	104.5	145.8	250.3	10,800
Leghorn/AW	134.6	12/7	0.1059	0.1059	0.3177	0.53	0.1078	0.1313	335	127	177	304	13,000
Guinea/AW	159.0	12/7	0.1151	0.1151	0.3453	0.576	0.09123	0.1112	372	150	209.1	359.1	15,300
Dotterel/AW	176.9	12/7	0.1214	0.1214	0.3642	0.607	0.08201	0.09988	398	166.9	232.7	399.5	16,900
Dorking/AW	190.8	12/7	0.1261	0.1261	0.3783	0.631	0.07601	0.093	418	180	251	431	18,300
Brahma/AW	203.2	16/19	0.1227	0.977	0.4885	0.714	0.06570	0.07994	464	191.7	411	602.7	27,100
Cochin/AW	211.3	12/7	0.1327	0.1327	0.3981	0.664	0.06863	0.084	445	199.3	278	477.3	19,800
* Current ratings are based on 75'C conductor temperature, 25'C ambient, 2ft/s wind, sun, .05 coefficients of emissivity and absorption.													