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ACSR/AW ALUMINUM CONDUCTOR ALUMINUM STEEL REINFORCED

Applications: Used as bare overhead transmission cable and as primary and secondary distribution cable. ACSR/AW strength is similar to ACSR, along with greater ampacity and resistance to corrosion.

Specifications: ACSR/AW bare conductor meets or exceeds the following ASTM specifications:

B-230 Aluminum wire, 1350-H19 for Electrical Purposes

B-502 Aluminum-Clad Steel Core Wire for Aluminum Conductors, Aluminum-Clad Steel Reinforced

B-549 Aluminum Conductors, Concentric-Lay-Stranded, Aluminum-Clad Steel Reinforced (ACSR/AW)

Construction: Aluminum alloy 1350-H-19 wires, concentrically stranded around a steel core.

Code Word	Size (AWG or kcmil)	Stranding (Al/Aw)	Diameter (ins)				Weight Per 1000 ft.(lbs)			Rated Strength (lbs)	Resistance OHMS/1000FT		Allowable Ampacity + (Amps)
			Individual Wires		Aw Core	Comp. Cable	Al	Aw	Total		Dc@ 20°C	Ac@ 75°C	
			Al	Aw									
Swan/Aw	4	6/1	.0834	.0834	.0834	.25	39	16	55	1780	.3917	.4770	145
Swanate/Aw	4	7/1	.0772	.103	.103	.257	39	24	63	2280	.3814	.4642	148
Sparrow/Aw	2	6/1	.1052	.1032	.1052	.316	62	25	87	2760	.2462	.2997	194
Sparate/Aw	2	7/1	.0974	.1298	.1298	.325	62	38	100	3510	.2396	.2917	198
Robin/Aw	1	6tl	.1181	.1181	.1181	.354	78	31	109	3450	.1950	.2373	225
Raven/Aw	1/0	6/1	.1327	.1327	.1327	.398	99	39	138	4250	.1547	.1884	260
Quail/Aw	2/0	6/1	.1489	.1489	.1489	.447	124	50	174	5130	.1227	.1494	301
Pigeon/Aw	1/0	6/1	.1672	.1672	.1672	.502	156	63	219	6300	.09747	.1188	347
Penguin/Aw	4/0	6/1	.1878	.1878	.1878	.563	197	79	276	7690	.07726	.09422	402
Waxwing/Aw	266.8	18/1	.1217	.1217	.1217	.609	250	33	283	6820	.06364	.07776	451
Partridge/Aw	266.8	26/7	.1013	.0788	.2363	.642	251	98	349	10800	.06169	.07541	465
Ostrich/Aw	300.0	26/7	.1074	.0835	.2506	.68	283	111	393	12100	.05489	.06712	500
Merlin/Aw	336.4	18/1	.1367	.1367	.1367	.684	315	42	357	8540	.05044	.06175	522
Linnet/Aw	336.4	26/7	.1137	.0885	.2654	.72	317	124	440	13500	.04897	.05989	537
Oriole/Aw	336.4	30/7	.1059	.1059	.3177	.741	318	178	494	16700	.04795	.05861	547
Chickadee/Aw	397.5	18/1	.1486	.1486	.1486	.743	373	50	422	9780	.04268	.05230	580
Ibis/Aw	397.5	26/7	.1236	.0962	.2885	.783	374	146	520	15800	.04144	.05072	597
Lark/Aw	397.5	30/7	.1151	.1151	.3453	.806	375	210	584	19600	.04059	.04965	608
Pelican/Aw	477.0	18/1	.1628	.1628	.1628	.814	447	59	507	11500	.03556	.04344	651
Flicker/Aw	477.0	24/7	.141	.094	.2819	.846	449	140	589	16700	.03487	.04273	663
Hawk/Aw	477.0	26/7	.1354	.1053	.316	.858	449	176	624	18900	.03453	.04231	669
Hen/Aw	477.0	30/7	.1261	.1261	.3783	.883	450	252	701	23400	.03382	.04139	682
Osprey/Aw	556.5	18/1	.1758	.1758	.1758	.879	522	69	591	13200	.03050	.03749	715
Parakeet/Aw	556.5	24/7	.1523	.1015	.3045	.914	524	163	687	19300	.02989	.03667	731
Dove/Aw	556.5	26/7	.1463	.1138	.3413	.927	524	205	728	21900	.02958	.03627	737
Teal/Aw	605.0	30/19	.142	.0852	.426	.994	571	313	883	28500	.02672	.03274	791
Kingbird/Aw	636.0	18/1	.188	.188	.188	.94	596	79	675	15000	.02667	.03286	778
Rook/Aw	636.0	24/7	.1628	.1085	.3256	.977	599	186	785	22000	.02616	.03216	794
Grosbeak/Aw	636.0	26/7	.1564	.1216	.3649	.991	599	234	832	24800	.02588	.03179	801
Flamingo/Aw	666.6	24/7	.1667	.1111	.3333	1.000	628	195	823	23100	.02495	.03069	818
Drake/Aw	795	26/7	.1749	.13 6	.408	1.107	749	293	1040	30500	.02070	.02549	922
Condor/Aw	795	54/7	.1213	.1213	.364	1.092	749	233	981	27800	.02091	.02578	913
Rail/Aw	954	45/7	.1456	.0971	.2912	1.165	899	149	1047	25400	.01779	.02210	1003
Cardinal/Aw	954	54/7	.1329	.1329	.3987	1.196	898	280	1177	32900	.01744	.02161	1022
Curlew/Aw	1033.5	54/7	.1383	.1383	.415	1.245	973	303	1275	35200	.01609	.01997	1074
Lapwing/Aw	1590	45/7	.1253	.1253	.3759	1.504	1498	249	1745	41800	.01069	.01366	1365

+ Conductor temperature of 75°C ambient temperature 25°, emissivity 0.5, wind 2ft/sec, in sun.

1-800-945-5542

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