



ACSR - ALUMINUM CONDUCTOR, STEEL REINFORCED 6 - 636MCM

CONSTRUCTION:

STEEL CORE SINGLE OR MULTI-STRANDED CLASS A GALVANIZED STEEL.

OUTER ALUMINUM LAYER ALUMINUM 1350-19 WIRES, CONCENTRICALLY STRANDED AROUND THE STEEL CORE.

Code Word	Size AWG or MCM	Strand-Ing (Al/Stl)	Diameter in inches				Weight (lbs/1000ft)			Break-ing Strength (lbs)	Resistance Ohms/1000ft		Rating (amps)*
			Individual Wires		Steel Core	TOTAL CABLE	Alum	Steel	TOTAL		DC @ 20C	AC @ 20C	
			Alum	Steel									
Turkey	6	6/1	.0661"	.0661"	.0661"	.198"	24	12	36	1190	.6410	.8060	105
Swan	4	6/1	.0834"	.0834"	.0834"	.250"	39	18	57	1860	.4030	.5150	140
Swanate	4	7/1	.0772"	.1030"	.1030"	.257"	39	28	67	2360	.3990	.5190	140
Sparrow	2	6/1	.1052"	.1052"	.1052"	.316"	62	29	91	2850	.2540	.3320	184
Sparate	2	7/1	.1298"	.1298"	.1298"	.325"	62	45	107	3460	.2510	.3380	184
Robin	1	6/1	.1181"	.1181"	.1181"	.354"	78	37	115	3550	.2010	.2680	212
Raven	1/0	6/1	.1327"	.1327"	.1327"	.398"	99	47	145	4380	.1590	.2170	242
Quail	2/0	6/1	.1489"	.1489"	.1489"	.447"	124	59	183	5310	.1260	.1760	276
Pigeon	3/0	6/1	.1672"	.1672"	.1672"	.502"	156	74	230	6620	.1000	.1440	315
Penguin	4/0	6/1	.1878"	.1878"	.1878"	.563"	197	93	291	8350	.0795	.1190	357
Waxwing	266.8	18/1	.1217"	.1217"	.1217"	.609"	250	39	289	6880	.0643	.0787	449
Partridge	266.8	26/7	.1013"	.0788"	.2363"	.642"	251	115	367	11300	.0637	.0779	475
Ostrich	300	26/7	.1074"	.0835"	.2506"	.680"	283	130	412	12700	.0567	.0693	492
Merlin	336.4	18/1	.1367"	.1367"	.1367"	.684"	315	49	365	8680	.0510	.0625	519
Linnet	336.4	26/7	.1137"	.0885"	.2654"	.720"	317	146	462	14100	.0505	.0618	529
Oriole	336.4	30/7	.1059"	.1059"	.3177"	.741"	318	209	526	17300	.0502	.0613	535
Chickadee	397.5	18/1	.1486"	.1486"	.1486"	.743"	373	58	431	9940	.0432	.0529	576
Brant	397.5	24/7	.1287"	.0858"	.2574"	.772"	374	137	511	14600	.0430	.0526	584
Ibis	397.5	26/7	.1236"	.0962"	.2885"	.783"	374	172	546	16300	.0428	.0523	587
Lark	397.5	30/7	.1151"	.1151"	.3453"	.806"	375	247	622	20300	.0425	.0519	594
Pelican	477	18/1	.1628"	.1628"	.1628"	.814"	447	70	517	11800	.0360	.0442	646
Flicker	477	24/7	.1410"	.0940"	.2819"	.846"	449	164	614	17200	.0358	.0439	655
Hawk	477	26/7	.1354"	.1053"	.3160"	.858"	449	207	656	19500	.0356	.0436	659
Hen	477	30/7	.1261"	.1261"	.3783"	.883"	450	296	746	23800	.0354	.0433	666
Osprey	556.5	18/1	.1758"	.1758"	.1758"	.879"	522	82	603	13700	.0308	.0379	711
Parakeet	556.5	24/7	.1523"	.1015"	.3045"	.914"	524	192	716	19800	.0307	.0376	721
Dove	556.5	26/7	.1463"	.1138"	.3413"	.927"	524	241	765	22600	.0306	.0375	726
Eagle	556.5	30/7	.1362"	.1362"	.4086"	.953"	525	345	871	27800	.0303	.0372	734
Peacock	605	24/7	.1588"	.1059"	.3177"	.953"	570	209	779	21600	.0282	.0346	760
Squab	605	26/7	.1525"	.1186"	.3559"	.966"	570	262	832	24300	.0281	.0345	765
Wood Duck	605	30/7	.1420"	.1420"	.4260"	.994"	571	375	946	28900	.0279	.0342	774
Teal	605	30/19	.1420"	.0852"	.4260"	.994"	571	367	939	30000	.0279	.0342	773
Kingbird	636	18/1	.1880"	.1880"	.1880"	.940"	596	94	690	15700	.0270	.0332	773
Swift	636	36/1	.1329"	.1329"	.1329"	.930"	596	47	643	13690	.0271	.0334	769
Rook	636	24/7	.1628"	.1085"	.3256"	.977"	599	219	818	22600	.0268	.0330	784
Grosbeak	636	26/7	.1564"	.1216"	.3649"	.991"	599	275	874	25200	.0267	.0328	789
Scoter	636	30/7	.1456"	.1456"	.4368"	1.019"	600	395	995	30400	.0256	.0325	798
Egret	636	30/19	.1456"	.0874"	.4368"	1.019"	600	386	987	31500	.0266	.0326	798

*Amps based on Conductor temperature of 75Deg C, ambient temperature of 25Deg C, emissivity 0.5, wind 2ft./sec, in sun

APPLICATION: For use as bare overhead transmission cable and also primary and secondary distribution cable with messenger support.

STANDARDS:

- ASTM B230: Aluminum Wire, 1350-19 for Electrical Purposes.
- ASTM B232: Aluminum Conductors, Concentric Lay Stranded, Coated Steel Reinforced (ACSR).
- ASTM B498: Zinc Coated (Galvanized) Steel Core for Use in Overhead Electrical Conductors.
- ASTM B500: Metallic Coated Stranded Steel Core for Use in Overhead Electrical Conductors.