



POWER KABEL INC.

ACSR - Aluminum Conductor Steel Reinforced

APPLICATIONS & FEATURES

Overhead electrical distribution and transmission lines.

INDUSTRY COMPLIANCES

ASTM B-2303 Aluminum 1350-H19 wire for electrical purposes
 ASTM B-2323 Concentric-lay-stranded aluminum conductors, coated-steel reinforced (ACSR)
 ASTM B-4982 Zinc-coated (galvanized) steel core wire for aluminum

CONSTRUCTION

Bare EC grade hard-drawn aluminum conductors stranded around an inner core of galvanized steel wire(s). Available in sizes 6 AWG through 2750 MCM.

CODE WORD	AWG	STRANDING	DIAMETER			POUNDS PER 1000 FT			RATED STRENGTH (LBS)
			INDIVIDUAL WIRES		COMPLETE CORE	ALUM	STEEL	TOTAL	
			ALUM	STEEL					
Turkey	6	6/1	.0661	.0661	1980	24.5	11.6	36.1	1190
Swan	4	6/1	.0834	.0834	2500	39.0	18.4	57.4	1860
Swanate	4	7/1	.0772	.1030	2570	39.0	28.0	67.0	2360
Sparrow	2	6/1	.1052	.1052	3160	62.0	29.3	91.3	2850
Sparate	2	7/1	.0974	.1298	3250	62.0	44.7	106.7	3460
Robin	1	6/1	.1181	.1181	3550	78.2	37.0	115.2	3550
Raven	1/0	6/1	.1327	.1327	3980	98.7	46.6	145.3	4380
Quail	2/0	6/1	.1489	.1489	4470	124.3	58.8	183.1	5310
Pigeon	3/0	6/1	.1672	.1672	5020	156.7	74.1	230.8	6620
Penguin	36617	44713	0.1878	0.1878	0.563	197.7	93.4	291.1	8350
Waxwing	266.8	18/1	0.1217	0.1217	0.609	250.3	39.2	289.5	6880
Partridge	266.8	26/7	0.1013	0.0788	0.642	251.7	115.6	367.3	11300
Ostrich	300	26/7	0.1074	0.0835	0.68	283	130	412	12700
Merlin	336.4	18/1	0.1367	0.1367	0.684	315.8	49.5	365.3	8680
Linnet	336.4	26/7	0.1137	0.0885	0.721	317.1	145.5	462.6	14100
Oriole	336.4	30/7	0.1059	0.1059	0.741	381	209	526	17300
Chickadee	397.5	18/1	0.1486	0.1486	0.743	373.1	58.5	431.6	9940
Brant	397.5	24/7	0.1287	0.0858	0.772	374	137	511	14600
Ibis	397.5	26/7	0.1236	0.0962	0.793	374.7	171.9	546.6	16300
Lark	397.5	30/7	0.1151	0.1151	0.806	375	247	622	20300
Pelican	477	18/1	0.1628	0.1628	0.814	447.8	70.2	518	11800
Flicker	477	24/7	0.141	0.094	0.846	449	164	614	17200
Hawk	477	26/7	0.1354	0.1053	0.858	449.6	206.4	656	19500
Hen	477	30/7	0.1261	0.1261	0.883	451.1	296.3	747.4	23800
Osprey	556.5	18/1	0.1758	0.1758	0.879	522	82	603	13700
Parakeet	556.5	24/7	0.1523	0.1015	0.914	525	191.8	716.8	19800
Dove	556.5	26/7	0.1463	0.1138	0.927	525	241	766	22600
Eagle	556.5	30/7	0.1362	0.1362	0.953	525	345	871	27800
Peacock	605	24/7	0.1588	0.1059	0.953	570	209	779	21600
Squab	605	26/7	0.1525	0.1186	0.966	570	262	832	24300
Wood Duck	605	30/7	0.142	0.142	0.994	571	375	946	28900
Teal	605	30/19	0.142	0.0852	0.994	571	367	939	30000
Kingbird	636	18/1	0.188	0.188	0.94	597.2	93.6	690.8	15700
Swift	636	36/1	0.1329	0.1329	0.93	596	47	643	13690
Rook	636	24/7	0.1628	0.1085	0.977	600	219.2	819.2	22600
Grosbeak	636	26/7	0.1564	0.1216	0.99	600	275.2	875.2	25200
Scoter	636	30/7	0.1456	0.1456	1.019	600	395	995	30400
Egret	636	30/19	0.1456	0.0874	1.019	600	386	987	31500
Flamingo	666.6	24/7	0.1667	0.1111	1	629.1	229.8	858.9	23700
Gannet	666.6	24/7	0.1601	0.1245	1.014	629	289	916	26400
Silt	715.5	24/7	0.1727	0.1151	1.036	674	247	920	25500
Starling	715.5	26/7	0.1659	0.129	1.051	674	310	984	28400
Redwing	715.5	30/19	0.1544	0.0927	1.081	676	435	1110	34600
Coot	795	36/1	0.1486	0.1486	1.04	745	58	804	16710
Drake	795	26/7	0.1749	0.136	1.108	750	344	1094	31500
Tern	795	45/7	0.1329	0.0886	1.063	749	146	895	22100
Condor	795	54/7	0.1213	0.1213	1.092	749	274	1023	28200
Mallard	795	30/19	0.1628	0.0977	1.14	751	483	1234	38400
Ruddy	900	45/7	0.1414	0.0943	1.131	849	166	1015	24400
Canary	900	54/7	0.1291	0.1291	1.162	849	310	1159	31900
Catbird	954	36/1	0.1628	0.1628	1.14	896	70	966	24743
Rail	954	45/7	0.1456	0.0971	1.165	900	176	1076	25900
Cardinal	954	54/7	0.1329	0.1329	1.196	900	329	1229	33800
Ortolan	1033.5	45/7	0.1515	0.101	1.212	974	190	1163	27700
Curlew	1033.5	54/7	0.1383	0.1383	1.244	974	356	1330	36600
Bluejay	1113	45/7	0.1573	0.1048	1.259	1050	205	1255	29800
Finch	1113	54/19	0.1436	0.0861	1.293	1055	376	1431	39100
Bunting	1192.5	45/7	0.1628	0.1085	1.302	1125	219	1344	32000
Grackle	1192.5	54/19	0.1486	0.0892	1.337	1129	402	1531	41900
Bittern	1272	45/7	0.1681	0.1121	1.345	1200	234	1434	34100
Pheasant	1272	54/19	0.1535	0.0921	1.381	1204	429	1633	43600
Dipper	1351.5	45/7	0.1733	0.1155	1.386	1273	248	1521	36200
Martin	1351.5	54/19	0.1582	0.0949	1.424	1279	456	1735	46300
Bobolink	1431	45/7	0.1783	0.1189	1.427	1348	263	1611	38300
Lapwing	1590	45/7	0.188	0.1253	1.504	1498	292	1790	42200
Falcon	1590	54/19	0.1716	0.103	1.544	1505	536	2041	54500
Chukar	1780	84/19	0.1456	0.0874	1.602	1685	386	2072	51000
Bluebird	2156	84/19	0.1602	0.0962	1.762	2040	468	2508	60300
Kiwi	2167	72/7	0.1735	0.1157	1.735	2051	249	2300	49800
Grouse	80	44774	0.1	0.1667	0.367	75.1	73.9	149	5200
Petrel	101.8	44902	0.0921	0.0921	0.461	95.9	158.1	254.1	10400
Minorca	110.8	44902	0.0961	0.0962	0.481	103.9	172.1	276.6	11300
Lephorn	134.6	44902	0.1059	0.1059	0.53	126.9	209.1	336	13600
Guinea	159	44902	0.1151	0.1151	0.576	149.1	246.9	396.8	16000
Dotterel	176.9	44902	0.1214	0.1214	0.607	166.8	274.6	441.4	17300
Dorking	190.8	44902	0.1261	0.1261	0.631	179.7	296.3	476	18700
Brahma	203.2	16/19	0.1127	0.0977	0.714	191.7	485.1	675.8	23650
Cochin	211.3	44902	0.1327	0.1327	0.663	198.8	328.2	527	28400