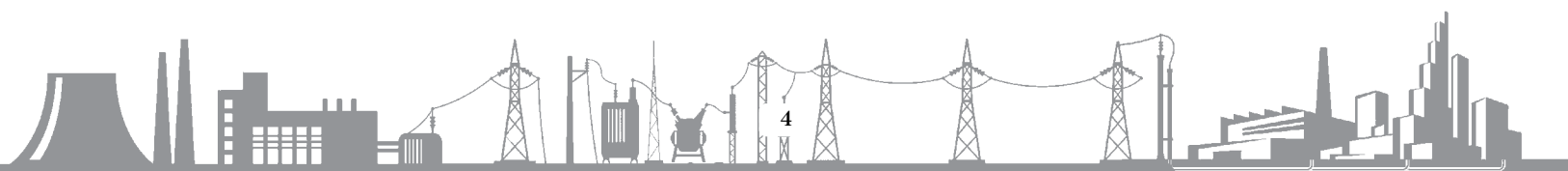


ALUMINIUM CONDUCTORS STEEL SUPPORTED (ACSS) ASTM B 856

Code Name	Size		Stranding		Cross-section		Nominal	Nominal weight	RTS				Electrical resistance			Load capacity
	AWG or kcmil	mm ²	No.*Dia.mm		mm ²		O.D.	kg/km	MA2	MA3	MA4	MA5	DC Resistance (Ω/KM)			200 °C
			Alum.	Steel	Total	Alum.	mm	Total	kN	kN	kN	kN	20 °C	25 °C	75 °C	Amp
PARTRIDGE	266.8	135	26x2.57	7x2.00	157.0	135	16.3	546	39.5	43.30	48	50.7	0.2032	0.2077	0.2500	825
JUNCO	266.8	135	30x2.40	7x2.40	167.0	135	16.8	622	52	57.80	64.1	68.5	0.2019	0.2064	0.2484	835
OSTRICH	300	152	26x2.73	7x2.00	177	152	17.3	613	44.30	48.5	53.8	56.9	0.1808	0.1850	0.2225	890
WIDGEON	336.4	170	24x3.01	7x2.00	193	170	18	644	41.50	45.4	49.8	52.9	0.1618	0.1657	0.1992	955
LINNET	336.4	170	26x2.89	7x2.25	198	170	18.3	688	49.80	54.3	60.0	64.1	0.1613	0.1650	0.1985	960
ORIOLE	336.4	170	30x2.69	7x2.69	210	170	18.8	784	65.80	72.5	81.0	86.3	0.1601	0.1637	0.1972	975
STORK	397.5	201	22x3.41	7x1.90	221	201	19.4	711	40.00	43.4	47.6	50.3	0.1376	0.1411	0.1696	1060
BRANT	397.5	201	24x3.27	7x2.18	228	201	19.6	760	48.90	53.8	59.2	62.7	0.1370	0.1404	0.1686	1065
IBIS	397.5	201	26x3.14	7x2.44	234	201	19.9	813	57.80	63.2	69.2	74.7	0.1365	0.1398	0.1680	1075
LARK	397.5	201	30x2.92	7x2.92	248	201	20.5	926	77.80	85.8	95.6	102	0.1355	0.1388	0.1670	1090
TOUCAN	477	242	22x3.74	7x2.08	265	242	21.2	854	48.00	52	56.9	60	0.1147	0.1178	0.1414	1195
FLICKER	477	242	24x3.58	7x2.39	273	242	21.5	912	57.80	63.2	69.8	74.3	0.1141	0.1171	0.1408	1205
HAWK	477	242	26x3.44	7x2.67	281	242	21.8	975	69.40	76.1	84.1	89.4	0.1137	0.1165	0.1401	1210
HEN	477	242	30x3.20	7x3.20	298	242	22.4	1110	93.40	101	112.5	121	0.1129	0.1158	0.1391	1225
HERON	500	253	30x3.28	7x3.28	312	253	23	1164	97.90	105.9	118.3	126	0.1077	0.1106	0.1329	1265
TODY	556	282	20x4.24	7x1.88	301	282	22.6	932	44.10	47.6	51.6	54.3	0.0986	0.1014	0.1221	1315

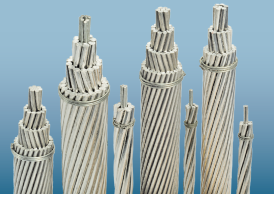




ALUMINIUM CONDUCTORS STEEL SUPPORTED (ACSS) ASTM B 856

Code Name	Size		Stranding		Cross-section		Nominal	Nominal weight	RTS				Electrical resistance			Load capacity
	AWG or kcmil	mm ²	No.*Dia.mm		mm ²		O.D.	kg/km	MA2	MA3	MA4	MA5	DC Resistance (Ω/KM)			200 °C
			Alum.	Steel	Total	Alum.	mm	Total	kN	kN	kN	kN	20 °C	25 °C	75 °C	Amp
SAPSUCKER	556	282	22x4.04	7x2.24	309.0	282	22.9	996	56.0	60.5	66.3	70.3	0.0983	0.1011	0.1214	1325
PARAKEET	556	282	24x3.87	7x2.58	319.0	282	23.2	1066	67.6	73.8	81.4	86.3	0.0978	0.1007	0.1207	1330
DOVE	556	282	26x3.72	7x2.89	328	282	23.5	1139	81.0	88.5	98.3	104.5	0.0974	0.1001	0.1204	1340
EAGLE	556	282	30x3.46	7x3.46	348	282	24.2	1295	109.0	117.9	131.7	140.6	0.0968	0.0994	0.1194	1360
PEACOCK	605	306	24x4.03	7x2.69	346	307	24.2	1159	73.4	80.5	88.5	93.9	0.0900	0.0925	0.1112	1410
SQUAB	605	306	26x3.87	7x3.01	356	306	24.5	1238	87.6	96.5	106.8	113.4	0.0897	0.0922	0.1109	1415
	605	306	30x3.61	7x3.61	378	307	25.2	1408	115.6	125.9	140.6	150.3	0.0890	0.0915	0.1099	1435
TEAL	605	306	30x3.61	19x2.16	376	307	25.2	1396	118.3	130.3	145.0	154.3	0.0891	0.0915	0.1099	1435
TURACOS	636	322	24x4.53	7x2.01	344	322	24.2	1066	50.3	54.3	58.7	61.8	0.0863	0.0889	0.1070	1435
GOLDFINCH	636	322	22x4.32	7x2.40	354	322	24.5	1139	62.7	68.1	74.7	79.2	0.0860	0.0886	0.1063	1445
ROOK	636	322	24x4.14	7x2.76	364	322	24.8	1217	77.0	84.5	93.0	98.7	0.0856	0.0883	0.1060	1455
GROSBEAK	636	322	26x3.97	7x3.09	375	322	25.1	1301	92.1	99.6	110.3	117.4	0.0853	0.0879	0.1053	1465
SCOTER	636	322	30x3.70	7x3.70	397	322	25.9	1471	121.9	132.1	147.7	157.9	0.0847	0.0869	0.1047	1485
EGRET	636	322	30x3.70	19x2.22	396	322	25.9	1469	124.5	137.4	152.6	162.8	0.0848	0.0873	0.1047	1485
FLAMINGO	666	338	24x4.23	7x2.82	382	338	25.4	1277	81.0	88.5	97.4	103.6	0.0816	0.0843	0.1011	1500
GANNET	666	338	26x4.07	7x3.16	393	338	25.8	1365	96.5	104.1	115.6	123.2	0.0814	0.0837	0.1007	1510





ALUMINIUM CONDUCTORS STEEL SUPPORTED (ACSS) ASTM B 856

Code Name	Size		Stranding		Cross-section		Nominal	Nominal weight	RTS				Electrical resistance			Load capacity
	AWG or kcmil	mm ²	No.*Dia.mm		mm ²		O.D.	kg/km	MA2	MA3	MA4	MA5	DC Resistance (Ω/KM)			200 °C
			Alum.	Steel	Total	Alum.	mm	Total	kN	kN	kN	kN	20 °C	25 °C	75 °C	Amp
STILT	715.5	362	24x4.39	7x2.92	410	363	26.3	1371	86.70	94.7	104.5	111	0.0761	0.0787	0.0942	1570
STARLING	715.5	362	26x4.21	7x3.28	422	363	26.7	1464	103.6	112.1	124.1	132.1	0.0758	0.0781	0.0938	1585
REDWING	715.5	362	30x3.92	19x2.35	445	362	27.5	1650	137	151.2	168.6	179.7	0.0754	0.0778	0.0932	1605
MACAW	795	403	42x3.50	7x1.94	424	403	26.8	1277	52.5	56.00	60.5	63.2	0.0692	0.0719	0.0860	1650
TURBIT	795	403	20x5.06	7x2.25	431	403	27	1332	63.20	67.6	73.4	77.4	0.0690	0.0715	0.0860	1665
TERN	795	403	45x3.38	7x2.25	431	403	27	1332	63.20	67.6	73.4	77.4	0.0690	0.0715	0.0863	1655
PUFFIN	795	403	22x4.83	7x2.68	442	403	27.4	1424	78.70	85.4	93.4	99.2	0.0688	0.0712	0.0853	1675
CUCKOO	795	403	24x4.62	7x3.08	455	403	27.7	1522	96.50	103.6	114.3	121	0.0685	0.0709	0.0850	1685
CONDOR	795	403	54x3.08	7x3.08	455	403	27.7	1521	96.50	103.6	114.3	121	0.0685	0.0709	0.0876	1650
DRAKE	795	403	26x4.44	7x3.45	469	403	28.1	1627	115.20	124.5	137.9	147	0.0682	0.0705	0.0846	1695
MALLARD	795	403	30x4.14	19x2.48	495	403	29	1837	152.60	168.6	187.3	200	0.0678	0.0699	0.0840	1720
RUDDY	900	456	45x3.59	7x2.40	487	456	28.7	1508	70.30	75.6	82.3	86.7	0.0610	0.0637	0.0764	1795
CANARY	900	456	54x3.28	7x3.28	515	456	29.5	1723	109.40	117.4	129.4	138	0.0605	0.0630	0.0774	1795
PHOENIX	954	483	42x3.83	7x2.13	508	483	29.3	1530	63.20	67.6	72.5	76.1	0.0577	0.0604	0.0719	1870
CORNCRAKE	954	483	20x5.55	7x2.47	517	483	29.6	1600	74.30	80.1	87.2	91.6	0.0575	0.0600	0.0719	1875
RAIL	954	483	45x3.70	7x2.47	517	483	29.6	1600	74.30	80.1	87.2	91.6	0.0575	0.0600	0.0725	1865





ALUMINIUM CONDUCTORS STEEL SUPPORTED (ACSS) ASTM B 856

Code Name	Size		Stranding		Cross-section		Nominal	Nominal weight	RTS				Electrical resistance			Load capacity
	AWG or kcmil	mm ²	No.*Dia.mm		mm ²		O.D.	kg/km	MA2	MA3	MA4	MA5	DC Resistance (Ω/KM)			200 °C
			Alum.	Steel	Total	Alum.	mm	Total	kN	kN	kN	kN	20 °C	25 °C	75 °C	Amp
TOWHEE	954	483	48x3.58	7x2.79	526	484	29.8	1671	87.60	94.7	103.6	109	0.0574	0.0600	0.0728	1860
REDBIRD	954	483	24x5.06	7x3.38	546	484	30.4	1828	115.60	124.5	137.4	146	0.0571	0.0594	0.0712	1900
CARDINAL	954	483	54x3.38	7x3.38	546	483	30.4	1826	115.60	124.5	137.4	146	0.0571	0.0594	0.0732	1865
CANVASBACK	954	483	30x4.53	19x2.72	593	483	31.7	2204	182.80	201.9	224.6	240	0.0565	0.0587	0.0702	1940
SHOWBIRD	1033.5	524	42x3.99	7x2.21	551	524	30.6	1661	68.50	72.9	78.7	82.3	0.0532	0.0561	0.0666	1970
ORTOLAN	1033.5	524	45x3.85	7x2.57	560	523	30.8	1731	80.50	86.7	94.3	99.2	0.0531	0.0558	0.0669	1965
WHOOPEE	1033.5	524	48x3.73	7x2.90	570	523	31.1	1808	94.70	102.7	112.1	119	0.0530	0.0554	0.0673	1965
CURLEW	1033.5	524	54x3.51	7x3.51	591	523	31.6	1978	125.40	134.8	148.6	158	0.0527	0.0551	0.0676	1965
AVOCET	1113	564	42x4.14	7x2.30	593	564	31.7	1786	72.50	77.8	83.6	87.6	0.0494	0.0522	0.0620	2060
BLUEJAY	1113	564	45x4.00	7x2.66	603	564	32	1866	86.70	93.9	101.9	107	0.0493	0.0522	0.0623	2060
BULLFINCH	1113	564	48x3.87	7x3.01	614	564	32.2	1950	102.30	110.8	121.0	128	0.0492	0.0518	0.0627	2165
FINCH	1113	564	54x3.65	19x2.19	636	564	32.8	2129	135.20	147.7	162.4	172	0.0491	0.0515	0.0633	2160
OXBIRD	1192.5	604	42x4.28	7x2.38	635	604	32.8	1914	77.80	83.2	89.8	93.9	0.0461	0.0489	0.0581	2165
BUNTING	1192.5	604	45x4.14	7x2.76	646	604	33.1	1997	93.00	100.1	109.0	115	0.0460	0.0489	0.0584	2160
CORMORANT	1192.5	604	48x4.00	7x3.11	657	604	33.4	2088	109.40	116.5	127.7	135	0.0459	0.0486	0.0587	2155
GRACKLE	1192.5	604	54x3.77	19x2.27	681	604	34	2280	145.00	157.9	173.9	185	0.0459	0.0482	0.0591	2155





ALUMINIUM CONDUCTORS STEEL SUPPORTED (ACSS) ASTM B 856

Code Name	Size		Stranding		Cross-section		Nominal	Nominal weight	RTS				Electrical resistance			Load capacity
	AWG or kcmil	mm ²	No.*Dia.mm		mm ²		O.D.	kg/km	MA2	MA3	MA4	MA5	DC Resistance (Ω/KM)			200 °C
			Alum.	Steel	Total	Alum.	mm	Total	kN	kN	kN	kN	20 °C	25 °C	75 °C	Amp
SCISSORTAIL	1272	644	42x4.42	7x2.46	677	644	33.9	2042	83.20	89	95.6	100	0.0432	0.0463	0.0548	2255
BITTERN	1272	644	45x4.27	7x2.85	689	644	34.2	2131	99.20	106.8	116.1	122	0.0432	0.0459	0.0548	2255
DIVER	1272	644	48x4.14	7x3.22	701	645	34.5	2226	116.50	124.5	136.1	144	0.0430	0.0456	0.0551	2250
PHEASANT	1272	644	54x3.90	19x2.34	726	645	35.1	2430	151.70	165.9	182.8	194	0.0430	0.0456	0.0554	2250
RINGDOVE	1351.5	685	42x4.56	7x2.53	720	685	35	2174	88.50	94.3	101.9	107	0.0408	0.0436	0.0518	2345
DIPPER	1351.5	685	45x4.40	7x2.93	732	685	35.2	2268	105.40	113.4	123.2	130	0.0407	0.0433	0.0518	2345
MARTIN	1351.5	685	54x4.02	19x2.41	772	685	36.2	2582	161.00	176.1	193.9	206	0.0405	0.0430	0.0525	2340
POPINJAY	1431	725	42x4.69	7x2.61	763	725	35.9	2302	93.40	100.1	107.6	113	0.0385	0.0413	0.0489	2435
BOBOLINK	1431	725	45x4.53	7x3.02	775	725	36.2	2402	111.60	120.1	130.8	137	0.0384	0.0413	0.0492	2435
WAGTAIL	1431	725	48x4.39	7x3.41	789	725	36.6	2512	131.20	140.1	153.5	162	0.0383	0.0410	0.0492	2430
PLOVER	1431	725	54x4.14	19x2.48	817	725	37.2	2735	170.80	186.4	205.5	218	0.0382	0.0407	0.0495	2430
NUTHATCH	1510.5	765	45x4.65	7x3.10	818	765	37.2	2530	117.90	125	136.1	143	0.0363	0.0394	0.0469	2520
PARROT	1510.5	765	54x4.25	19x2.55	862	765	38.2	2884	179.70	196.6	216.6	230	0.0363	0.0387	0.0472	2520
RATITE	1590	805	42x4.94	7x2.75	847	806	37.9	2552	104.10	111.2	119.7	125	0.0346	0.0377	0.0446	2605
LAPWING	1590	805	45x4.78	7x3.18	862	806	38.2	2664	124.10	131.7	143.2	151	0.0345	0.0377	0.0446	2605
HORNBILL	1590	805	48x4.62	7x3.60	877	806	38.5	2785	143.20	153	167.7	178	0.0344	0.0374	0.0446	2605





ALUMINIUM CONDUCTORS STEEL SUPPORTED (ACSS) ASTM B 856

Code Name	Size		Stranding		Cross-section		Nominal	Nominal weight	RTS				Electrical resistance			Load capacity
	AWG or kcmil	mm ²	No.*Dia.mm		mm ²		O.D.	kg/km	MA2	MA3	MA4	MA5	DC Resistance (Ω/KM)			200 °C
			Alum.	Steel	Total	Alum.	mm	Total	kN	kN	kN	kN	20 °C	25 °C	75 °C	Amp
FALCON	1590	805	54x4.36	19x2.62	908	806	39.2	3039	189.5	207.3	228.6	242.4	0.0344	0.0371	0.0449	2605
CHUKAR	1780	902	84x3.70	19x2.22	976	902	40.7	3084	157.5	169.9	185.0	195.3	0.0309	0.0341	0.0400	2820
SEAHAWK	1869	947	68x4.21	7x2.34	977	947	40.7	2868	95.6	101.0	107.2	111.2	0.0296	0.0335	0.0390	2870
MOCKINGBIRD	2035	1031	72x4.27	7x2.85	1075	1031	42.7	3215	121.0	128.5	137.9	144.1	0.0272	0.0309	0.0361	3035
ROADRUNNER	2057	1042	76x4.18	19x1.95	1099	1042	43.2	3343	141.0	150.8	162.4	170.4	0.0269	0.0305	0.0358	3070
BLUEBIRD	2156	1092	84x4.07	19x2.44	1181	1092	44.8	3731	187.3	202.4	220.6	233.1	0.0255	0.0289	0.0338	3185
KIWI	2167	1098	72x4.41	7x2.94	1146	1098	44.1	3423	129.0	137.0	146.8	153.5	0.0255	0.0295	0.0341	3160
THRASHER	2312	1171	76x4.43	19x2.07	1235	1171	45.8	3755	158.3	169.5	182.4	191.3	0.0239	0.0279	0.0322	3305
JOREE	2515	1274	76x4.62	19x2.16	1344	1274	47.8	4085	172.1	184.1	198.4	208.2	0.0220	0.0259	0.0302	3480

Note:

- Based on conductivity of 63.0% IACS @ 20 ° C for aluminium and 8% IACS @ 20 ° C for steel core
- Current capacity based on referenced conductor temperature, 0.61m/s wind, 0 m Elevation, 0.5 Emmisivity, 0.5 absorptivity, 25°C Ambient temperatures, 1045 W/m² Solar radiation.

