

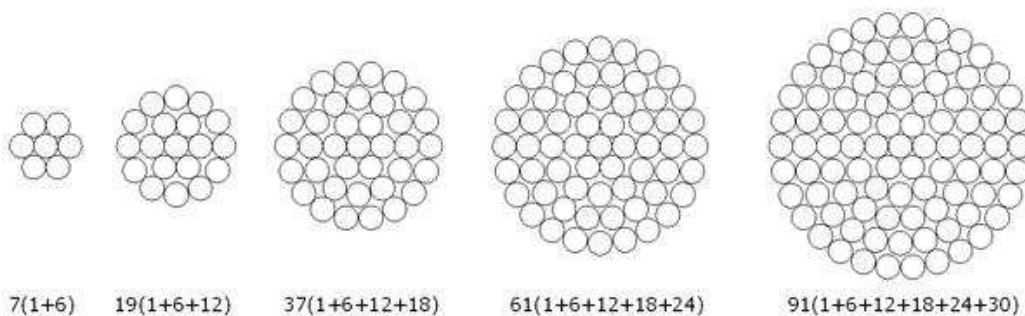
SPECIFICATIONS AND STANDARDS:

AAC bare conductors meet or exceed the following **CSA C49 Standard** for Canadian Size.

APPLICATIONS:

All-aluminum conductors are the most favoured type for use in the construction of relatively short span distribution schemes and are in common use on lines for voltage up to 60 kV.

Another frequent application for all-aluminum conductors is in flexible busbar connections. Although aluminum to copper connections can be made, it is better to use aluminum conductors for service connections, as various forms of covered cables are available for this purpose.



This catalogue shows the most common sizes of conductor but other sizes, to any recognized standards or customer specification can also be supplied. AAC insulated with XLPE or PVC can also be supplied as per customer's requirements.

AAC Conductors manufactured to CSA C49-1965

Code Name	KCMIL or AWG	Cross Section of Aluminum	Size			Total Mass	Rated Tensile Strength	Max. D.C. Resistance at 20°C
			No. of	Dia. of	Dia. of			
		mm ²	-	mm	mm	kg/km	kN	Ω/km
Peachbell	6	13.29	7	1.554	4.67	37	260	2.154
Rose	4	21.16	7	1.961	5.89	58	410	1.354
Iris	2	33.61	7	2.474	7.42	93	510	1.074
Pansy	1	42.39	7	2.776	8.33	117	620	0.8516
Poppy	1/0	53.48	7	3.119	9.36	147	740	0.6752
Aster	2/0	67.42	7	3.503	10.51	186	910	0.5351
Phlox	3/0	85.03	7	3.932	11.80	234	1140	0.4246
Oxlip	4/0	107.23	7	4.417	13.26	296	1400	0.3368
Valerian	250	126.71	19	2.913	14.57	349	1770	0.2671
Laurel	266.8	135.16	19	3.01	15.05	372	2300	0.2128
Daisy	266.8	135.16	7	4.96	14.90	370	2230	0.2118
Peony	300	152	19	3.193	15.97	419	2580	0.1893
Tulip	336.4	170.45	19	3.381	16.91	470	2900	0.1688
Daffodil	350	177.35	19	3.447	17.24	489	3020	0.1622
Canna	397.5	201.42	19	3.673	18.36	555	3420	0.1429
-	400	202.68	19	3.69	18.45	558	3450	0.142
Goldentuft	450	228	19	3.909	19.55	629	3760	0.1262
Cosmos	477	241.68	19	4.023	20.12	666	39.8	0.119
Zinnia	500	253.35	19	4.12	20.60	698	4180	0.1136
-	550	278.69	37	3.10	21.70	769	4750	0.1035
Dahlia	556.5	282	19	4.346	21.73	777	4660	0.102
Meadowsweet	600	304	37	3.233	22.63	838	5150	0.09486
Orchild	636	322.25	37	3.33	23.31	888	5480	0.08949
Heuchera	650	329.35	37	3.366	23.56	908	5610	0.08757
Verbena	700	354.71	37	3.493	24.45	978	6020	0.08131
Violet	715.5	362.85	37	3.533	24.74	1000	6160	0.07955
Petunia	750	380	37	3.617	25.32	1048	6470	0.07589
Arbutus	795	402.84	37	3.724	26.06	1111	6840	0.0716
-	800	405.37	37	3.73	26.11	1119	6870	0.07115

All Aluminum Conductor. Bare

Anemone	874.5	443.12	37	3.90	27.30	1223	72.9	0.06509
Cockscomb	900	456.04	37	3.96	27.72	1259	75.2	0.06324
-	927.2	469.82	37	4.02	28.14	1297	77.5	0.06139
Magnolia	954	483.40	37	4.08	28.56	1334	79.8	0.05966
Hawkweed	1000	506.71	37	4.18	29.26	1399	83.8	0.05692
Bluebell	1033.5	523.68	37	4.25	29.75	1445	86.6	0.05507
-	1100	557.38	61	3.41	30.69	1541	94.7	0.05182
Marigold	1113	563.97	61	3.43	30.87	1559	95.8	0.05121
Hawthorn	1192.5	604.25	61	3.55	31.95	1670	103	0.04780
-	1200	608.05	61	3.56	32.04	1681	103	0.04750
Narcissus	1272	644.54	61	3.67	33.03	1782	110	0.04481
-	1300	658.72	61	3.71	33.39	1821	112	0.04385
Columbine	1351.5	684.82	61	3.78	34.02	1893	113	0.04218
-	1400	709.39	61	3.85	34.65	1961	117	0.04072
Carnation	1431	725.10	61	3.89	35.01	2004	120	0.03983
-	1500	760.07	61	3.98	35.82	2101	125	0.03800
Gladiolus	1510.5	762.72	61	3.99	35.91	2110	123	0.03790
Coreopsis	1590	805.67	61	4.10	36.90	2227	133	0.03585
-	1600	810.74	61	4.11	36.99	2241	134	0.03563
-	1700	861.41	61	4.24	38.16	2381	142	0.03353
-	1800	912.08	91	3.57	39.27	2524	155	0.03170
Cowslip	2000	1013.42	91	3.77	41.47	2804	168	0.02853
Sagebrush	2250	1140.10	91	3.99	43.89	3155	188	0.02536
-	2435.6	1234.14	91	4.16	45.76	3415	204	0.02343
Lupine	2500	1266.78	91	4.21	46.31	3505	209	0.02283
Bitterroo	2750	1393.45	91	4.42	48.62	3856	230	0.02075
-	3000	1520.13	91	4.61	50.71	4207	251	0.01902
-	3007.7	1524.03	91	4.62	50.82	4217	252	0.01897
-	3500	1773.49	91	4.98	54.78	4908	292	0.01630
-	3640	1844.42	91	5.08	55.88	5104	304	0.01568