

## SPECIFICATIONS AND STANDARDS:

AAC bare conductors meet or exceed the following ASTM specifications :

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

B-231 Aluminum Conductors, Concentric-Lay-Stranded

B-400 Compact Round Concentric-Lay-Stranded Aluminum

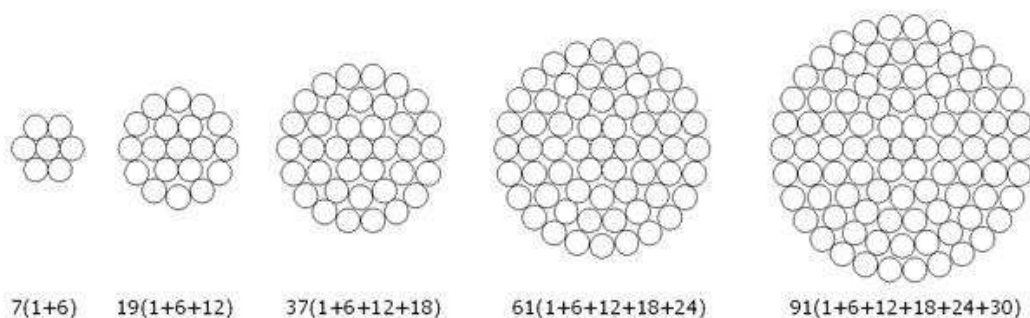
1350 Conductors



## 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 ASTM B-231.

Code Name	Nominal Area		No./Nomi diameter of wires	Approximate Overall Diameter	Approximate Weight	Nominal Breaking Load	Nominal DC Resistance at 20° C	Current Rating (*)
	AWG or MCM	mm <sup>2</sup>						
Peachbell	6.0	13.30	7/1.56	4.68	36.6	2.53	2.1477	75
Rose	4.0	21.10	7/1.96	5.88	58.2	3.91	1.3606	99
Iris	2.0	33.60	7/2.47	7.41	92.6	5.99	0.8567	132
Pansy	1.0	42.40	7/2.78	8.34	116.6	7.30	0.6763	153
Poppy	1/0.0	53.50	7/3.12	9.36	147.2	8.84	0.5369	176
Aster	2/0.0	67.40	7/3.50	10.50	185.7	11.10	0.4267	203
Phlox	3/0.0	85.00	7/3.93	11.79	233.9	13.50	0.3384	234
Oxlip	4/0.0	107.20	7/4.42	13.26	295.2	17.00	0.2675	270
Valerian	250.00	126.70	19/2.91	14.55	348.6	20.70	0.2274	299
Sneezewort	250.00	126.70	7/4.80	14.40	348.8	20.10	0.2269	299
Laurel	266.80	135.20	19/3.01	15.05	372.2	22.10	0.2125	312
Daisy	266.80	135.20	7/4.96	14.88	372.3	21.40	0.2125	311
Peony	300.00	152.00	19/3.19	15.95	418.3	24.30	0.1892	335
Tulip	336.40	170.50	19/3.38	16.90	469.5	27.30	0.1686	359
Daffodil	350.00	177.30	19/3.45	17.25	487.9	28.40	0.1618	369
Canna	397.50	201.40	19/3.67	18.35	554.9	31.60	0.1430	397
Goldentuft	450.00	228.00	19/3.91	19.55	627.6	35.00	0.1260	429
Syringa	477.00	241.70	37/2.88	20.16	664.8	38.60	0.1192	444
Cosmos	477.00	241.70	19/4.02	20.10	664.8	37.00	0.1192	444
Hyacinth	500.00	253.30	37/2.95	20.65	696.8	40.50	0.1136	458
Zinnia	500.00	253.30	19/4.12	20.60	697.1	38.90	0.1134	458
Dahlia	556.50	282.00	19/4.35	21.75	775.8	43.30	0.1018	489
Mistletoe	556.50	282.00	37/3.12	21.84	775.7	44.30	0.1016	490
Meadowsweet	600.00	304.00	37/3.23	22.61	836.3	47.50	0.0948	511
Orchid	636.00	322.30	37/3.33	23.31	886.9	50.40	0.0892	530
Heuchera	650.00	329.40	37/3.37	23.59	907.4	51.70	0.0871	538
Flag	700.00	354.70	61/2.72	24.48	975.8	57.10	0.0811	561
Varbena	700.00	354.70	37/3.49	24.43	975.7	55.40	0.0812	561
Nasturtium	715.50	362.60	61/2.75	24.75	998.5	58.40	0.0793	569
Violet	715.50	362.60	37/3.53	24.71	998.5	56.70	0.0794	568
Cattail	750.00	380.00	61/2.82	25.38	1046.0	60.30	0.0754	587
Petunia	750.00	380.00	37/3.62	25.34	1046.0	58.60	0.0755	586
Lilac	795.00	402.80	61/2.90	26.10	1110.0	63.80	0.0713	607



# AAC

## All Aluminum Conductor. Bare

Arbutus	795.00	402.80	37/3.72	26.04	1109.0	61.80	0.0715	605
Snapdragon	900.00	456.00	61/3.09	27.81	1256.0	70.80	0.0628	654
Cockscomb	900.00	456.00	37/3.96	27.72	1256.0	68.40	0.0631	652
Goldenrod	954.00	483.40	61/3.18	28.62	1331.0	75.00	0.0593	677
Magnolia	954.00	483.40	37/4.08	28.56	1331.0	72.60	0.0594	676
Camellia	1000.00	506.70	61/3.25	29.25	1394.0	78.30	0.0568	695
Hawkweed	1000.00	506.70	37/4.18	29.26	1395.0	76.20	0.0566	696
Larkspur	1033.50	523.70	61/3.31	29.79	1442.0	81.30	0.0547	710
Bluebell	1033.50	523.70	37/4.25	29.75	1441.0	78.80	0.0547	710
Marigold	1113.00	564.00	61/3.43	30.87	1553.0	87.30	0.0510	740
Hawthorn	1192.50	604.20	61/3.55	31.95	1662.0	93.50	0.0476	771
Narsissus	1272.00	644.50	61/3.67	33.03	1774.0	98.10	0.0445	802
Columbine	1351.00	694.80	61/3.78	34.02	1884.0	104.00	0.0420	829
Carnation	1431.00	725.10	61/3.89	35.01	1997.0	108.00	0.0396	858
Gladiolus	1510.50	765.40	61/4.00	36.00	2108.0	114.00	0.0375	885
Coreopsis	1590.00	805.70	61/4.10	36.90	2216.0	120.00	0.0357	911
Jasmine	1750.00	886.70	61/4.30	38.70	2442.0	132.00	0.0324	962
Cowslip	2000.00	1013.00	91/3.77	41.47	2787.0	153.00	0.0286	1032
Sagebrush	2250.00	1140.00	91/3.99	43.89	3166.0	167.00	0.0255	1099
Lupine	2500.00	1267.00	91/4.21	46.31	3519.0	186.00	0.0229	1163
Bitterrot	2750.00	1393.00	91/4.42	48.62	3872.0	205.00	0.0208	1223
Trillium	3000.00	1520.00	127/3.90	50.70	4226.0	223.00	0.0193	1271
Bluebonnet	3500.00	1773.00	127/4.22	54.86	4977.0	261.00	0.0165	1373