



# Charlotte™ Wire & Cable Company Inc.

*“Taking Care of Business”*

toll free: 800-929-9473

## AAC - ALL ALUMINUM CONDUCTOR      795MCM - 3500MCM

**CONSTRUCTION:**

**CONDUCTOR** ALUMINUM 1350-19 WIRES, CONCENTRICALLY STRANDED.

Code Word	Size AWG or MCM	Stranding		Diameter (in inches)		Cross Sectional Area (sq. in.)	WEIGHT (lbs/1000ft)	Rated Breaking Strength (lbs)	Resistance Ohms/1000ft		Rating (amps)*
		Number Of Wires	Strand Class	Individual Wires	TOTAL O.D.				DC @ 20C	AC @ 20C	
Arbutus	795	37	AA	.1466"	1.026"	.6245	745	13900	.0217	.0270	878
Lilac	795	61	A	.1142"	1.027"	.6248	745	14300	.0217	.0270	879
Cockscumb	900	37	AA	.1560"	1.092"	.7072	844	15400	.0192	.0239	948
Snapdragon	900	61	A	.1215"	1.093"	.7072	844	15900	.0192	.0239	948
Magnolia	954	37	AA	.1606"	1.124"	.7495	894	16400	.0181	.0226	982
Goldenrod	954	61	A	.1251"	1.125"	.7498	894	16900	.0181	.0226	983
Hawkweed	1000	37	AA	.1644"	1.151"	.7854	937	17200	.0173	.0216	1010
Camellia	1000	61	A	.1280"	1.152"	.7849	937	17700	.0173	.0216	1011
Bluebell	1033.5	37	AA	.1671"	1.170"	.8114	969	17700	.0167	.0210	1031
Larkspur	1033.5	61	A	.1302"	1.171"	.8122	969	18300	.0167	.0210	1032
Marigold	1113	61	AA, A	.1351"	1.216"	.8744	1043	19700	.0155	.0195	1079
Hawthorn	1192.5	61	AA, A	.1398"	1.258"	.9363	1118	21100	.0145	.0183	1124
Narcissus	1272	61	AA, A	.1444"	1.300"	.9990	1192	22000	.0136	.0173	1169
Columbine	1351.5	61	AA, A	.1488"	1.340"	1.0608	1267	23400	.0128	.0163	1212
Carnation	1431	61	AA, A	.1532"	1.378"	1.1244	1341	24300	.0121	.0155	1253
Gladiolus	1510.5	61	AA, A	.1574"	1.416"	1.1869	1416	25600	.0144	.0147	1294
Coreopsis	1590	61	AA	.1614"	1.453"	1.2480	1490	27000	.0109	.0141	1333
Jessamine	1750	61	AA	.1694"	1.524"	1.3748	1640	29700	.00988	.0129	1408
Cowslip	2000	91	A	.1482"	1.631"	1.5697	1875	34200	.00864	.0115	1518
Sagebrush	2250	91	A	.1572"	1.730"	1.7662	2130	37500	.00776	.0105	1612
Lupine	2500	91	A	.1657"	1.823	1.9623	2366	41900	.00698	.00969	1706
Bitterroot	2750	91	A	.1738"	1.912"	2.1589	2603	46100	.00635	.00900	1793
Trillium	3000	127	A	.1537"	1.998"	2.3564	2839	50300	.00582	.00834	1874
Bluebonnet	3500	127	A	.1660"	2.158"	2.7486	3345	58700	.00499	.00756	2024

\*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 overhead transmission cable and also primary and secondary distribution cable. Class AA stranded items (least flexible) are conductors used for overhead lines. Class A stranded items (more flexible) are conductors used where greater flexibility is needed.

**STANDARDS:**

ASTM B230: Aluminum Wire, 1350-19 for Electrical Purposes.  
ASTM B231: Aluminum Conductors, Concentric Lay Stranded Aluminum 1350 Conductors.