

OVERHEAD DISTRIBUTION

AAC - ALL ALUMINUM CONDUCTOR AND ALUMINUM TIE WIRE

Construction

Application:

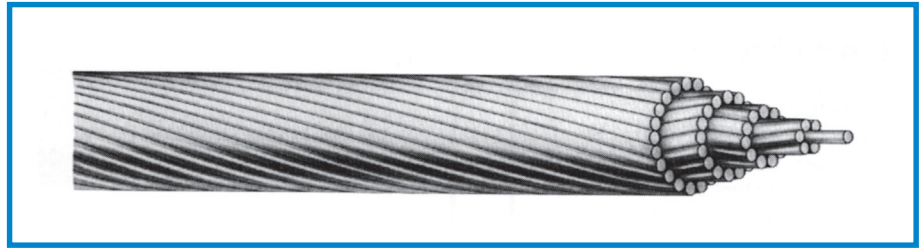
- For use in overhead transmission and distribution systems, and as bus connections in substations and switchyards. Solid conductors used for mechanical and grounding applications.

Standards: AAC

- ASTM B-230 (Aluminum Wire, 1350-H19 for electrical purpose).
- ASTM B-231 (Aluminum conductor, concentric lay stranded).

Standards: Tie Wire

- ASTM B-609 (Soft Aluminum, 1350-0 for electrical purposes).



CUSTOM CATALOG NUMBER	SIZE	CODE NAME	STRAND	STRAND CLASS	NOMINAL DIAMETER (INCHES)		CROSS SEC. AREA SQUARE INCHES	RATED STRENGTH POUNDS	DC RESIST. OHMS/1000 FT. 20°C	CURRENT AMPS*	NOMINAL WEIGHT LBS/MFT
	AWG/MCM				INDIV. WIRES	OVERALL					
AAC - ALL ALUMINUM											
29700	6	Peachbell	7	A	0.0612	0.1840	0.0206	563	.6580	96	25
29702	4	Rose	7	A	0.0772	0.2320	0.0328	881	.4140	121	39
29704	2	Iris	7	AA,A	0.0974	0.2920	0.0521	1350	.2600	163	62
29706	1	Pansy	7	AA,A	0.1093	0.3280	0.0657	1640	.2070	—	79
29708	1/0	Poppy	7	AA,A	0.1228	0.3680	0.0829	1990	.1640	220	99
29710	2/0	Aster	7	AA,A	0.1379	0.4140	0.1045	2510	.1300	255	125
29712	3/0	Phlox	7	AA,A	0.1548	0.4640	0.1318	3040	.1030	297	158
29714	4/0	Oxlip	7	AA,A	0.1739	0.5220	0.1662	3830	.0817	346	199
29716	250	Sneezewart	7	A	0.1890	0.5670	0.1964	4520	.0691	—	235
29718	250	Valerian	19	A	0.1147	0.5740	0.1964	4660	.0691	—	235
29720	266.8	Daisy	7	AA	0.1953	0.5860	0.2095	4830	.0648	403	251
29722	266.8	Laurel	19	A	0.1185	0.5930	0.2095	4970	.0648	403	251
29724	336.4	Tulip	19	A	0.1331	0.6660	0.2642	6150	.0514	468	316
29726	350	Daffodil	19	A	0.1357	0.6790	0.2749	6390	.0494	—	329
29728	397.5	Canna	19	AA,A	0.1447	0.7240	0.3122	7110	.0435	522	373
29730	477	Cosmos	19	AA	0.1584	0.7930	0.3746	8360	.0362	588	448
29732	500	Zinnia	19	AA	0.1622	0.8110	0.3927	8760	.0346	—	469
29734	500	Hyacinth	37	A	0.1162	0.8130	0.3927	8760	.0346	—	469
29736	556.5	Dahlia	19	AA	0.1711	0.8560	0.4371	9750	.0311	650	522
29738	636	Orchid	37	AA,A	0.1311	0.9180	0.4995	11400	.0272	709	597
29740	750	Petunia	37	AA	0.1424	0.9970	0.5891	13100	.0230	—	704
29742	795	Arbutus	37	AA	0.1446	1.0260	0.6244	13900	.0217	819	746
29744	954	Magnolia	37	AA	0.1606	1.1240	0.7493	16400	.0181	920	896
29746	1000	Hawkweed	37	AA	0.1644	1.1500	0.7854	17200	.0173	—	939
29748	1033.5	Bluebell	37	AA	0.1671	1.1700	0.8117	17700	.0167	968	970
29750	1033.5	Larkspur	61	A	0.1302	1.1720	0.8117	18300	.0167	968	970
29752	1113	Marigold	61	AA,A	0.1351	1.2160	0.8742	19700	.0155	—	1045
29754	1192.5	Hawthorn	61	AA,A	0.1398	1.2580	0.9366	21100	.0145	—	1119
29756	1272	Narcissus	61	AA,A	0.1444	1.3000	0.9990	22000	.0136	1103	1194
29758	1590	Coreopsis	61	AA	0.1614	1.4540	1.2490	27000	.0109	1267	1493
TIE-WIRE											
29780	6	—	Solid	—	—	0.1620	0.0206	232	—	—	24
29782	4	—	Solid	—	—	0.2043	0.0328	369	—	—	38
29784	2	—	Solid	—	—	0.2576	0.0521	586	—	—	61

* Per NEC Table B-310-4, Based on conductor temperature of 80°C; ambient temperature of 40°C; 2 ft./sec. wind.

Custom Cable Corp.

