

**PHYSICAL CHARACTERISTICS ALUMINUM CONDUCTOR, EC-H19, STRANDED-BARE
CLASSES AA AND A**

CABLE CODE WORD	CONDUCTOR SIZE		COPPER EQUIVALENT	STRANDING		CONDUCTOR Dia. Inches	ULTIMATE STRENGTH Pounds	WEIGHT (Pounds) ¹	
	Circular mils or AWG	Square Inches		Class	Number & Diameter of wires (inches)			Per 1000 feet	Per mile
Peachbell	6	0.0206	8	A	7 x 0.0612	0.184	528	24.6	130
Rose	4	0.0328	6	A	7 x 0.0772	0.232	826	39.2	207
Lily	3	0.0413	5	A	7 x 0.0867	0.26	1,022	49.4	261
Iris	2	0.0521	4	AA, A	7 x 0.0974	0.292	1,266	62.3	329
Pansy	1	0.0657	3	AA, A	7 x 1.094	0.328	1,537	78.5	414
Poppy	1/0	0.0829	2	AA, A	7 x 0.1228	0.368	1,865	99.1	523
Aster	2/0	0.1045	1	AA, A	7 x 0.1379	0.414	2,350	124.9	659
Phlox	3/0	0.1318	1/0	AA, A	7 x 0.1548	0.464	2,845	157.5	832
Oxlip	4/0	0.1662	2/0	AA, A	7 x 0.1739	0.522	3,590	198.6	1,049
Daisy	266800	0.2095	3/0		7 x 0.1953	0.586	4,525	250.4	1,322
Laurel	266800	0.2095	3/0	A	19 x 0.1185	0.593	4,800	250.4	1,322
Tulip	336400	0.2642	4/0	A	19 x 0.1331	0.666	5,940	315.8	1,667
Daffodil	350000	0.2749	220000	A	19 x 0.1357	0.679	6,180	328.6	1,735
Canna	397500	0.3122	250000	AA, A	19 x 0.1447	0.724	6,880	372.5	1,967
Cosmos	477000	0.3746	300000	AA	19 x 0.1585	0.793	8,090	447.8	2,364
Syringa	477000	0.3746	300000	A	37 x 0.1135	0.795	8,600	447.8	2,364
Dahlia	556500	0.4371	350000		19 x 0.1711	0.856	9,440	522.4	2,758
Mistletoe	556500			AA, A	37 x 0.1226	0.858	9,830	522.4	2,758
Orchid	636000	0.4995	400000	AA, A	37 x 0.1311	0.918	11,240	597	3,152
Violet	715500	0.562	450000	AA	37 x 0.1391	0.974	12,640	671.6	3,546
Nasturtium	715500	0.562	450000	AA	61 x 0.1083	0.975	13,150	671.6	3,546
Arbutus	795000	0.6244	500000	A	37 x 0.1466	1.026	13,770	746.3	3,940
Lilac	795000	0.6244	500000	AA	61 x 0.1142	1.028	14,330	746.3	3,940
Anemone	874500	0.6868	550000	A	37 x 0.1538	1.077	14,830	820.9	4,344
Crocus	874500	0.6868	550000	AA	61 x 0.1198	1.078	15,760	820.9	4,334
Magnolia	954000	0.7493	600000	A	37 x 0.1606	1.124	16,180	895.5	4,728
Goldenrod	954000	0.7493	600000	AA	61 x 0.1251	1.126	16,860	895.5	4,728
Bluebell	1033500	0.8117	650000	A	37 x 0.1672	1.170	17,530	970.1	5,122
Larkspur	1033500	0.8117	650000	AAA	61 x 0.1302	1.172	18,260	970.1	5,122
Marigold	1113000	0.8741	700000	AAA	61 x 0.1351	1.216	19,660	1045	5,518
Hawthorn	1192500	0.9366	750000	AAA	61 x 0.1398	1.258	21,000	1119	5,908
Narcissus	1272000	0.999	800000	AAA	61 x 0.1444	1.30	22,000	1193	6,299
Columbine	1351500	1.062	850000	AAA	61 x 0.1489	1.34	23,400	1269	6,700
Carnation	1431000	1.124	900000	AAA	61 x 0.1532	1.379	24,300	1343	7,091
Galdiolus	1510500	1.186	950000	AA	61 x 0.1574	1.417	25,600	1418	7,487
Coreopsis	1590000	1.249	1000000	A	61 x 0.1615	1.454	27,000	1493	7,883
Dogwood	1590000	1.249	1000000	A	91 x 0.1322	1.454	28,100	1493	7,883
Cowslip	2000000	1.570	1260000	A	91 x 0.1482	1.630	34,600	1876	9,905
Lupine	2500000	1.962	1570000	A	91 x 0.1657	1.823	42,400	2368	12,503
Trillium	3000000	2.350	1890000	A	127 x 0.1535	1.996	50,800	2837	14,979
Bluebonnet	3500000	2.749	2200000	A	127 x 0.1660	2.158	59,400	3350	17,688

¹ CLASS FOR STRANDING: The class of stranding must be specified on all orders.

Class AA stranding is usually specified for bare conductors used on overhead lines.

Class A stranding is usually specified for conductors to be covered with weather-resistant (weatherproof) materials and for bare conductors where greater flexibility than afforded by Class AA is required.

² LAY: The direction of lay of the outside layer of conductors with Class AA and Class A stranding will be right hand unless otherwise specified.