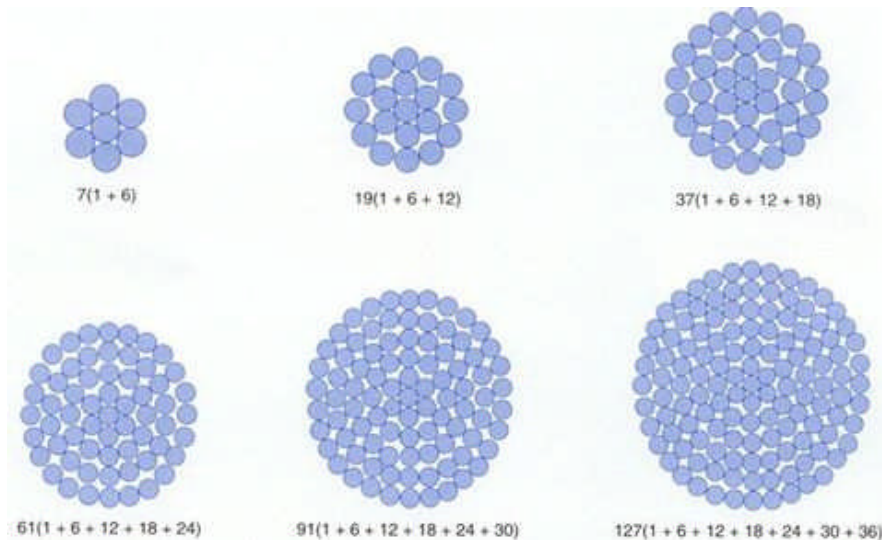




Bare Overhead Conductors All Aluminum Conductor AAC



APPLICATIONS

For use in overhead transmission and distribution systems and as bus connections in substations and switchyards. Solid conductors used for mechanical and grounding applications. Classes AA and A are used primarily for overhead transmission and primary and secondary distribution, where ampacity must be maintained, a lighter conductor (compared to ACSR) is desired and when conductor strength is not a critical factor. Classes B and C are used primarily as bus, apparatus connectors and jumpers, where additional flexibility is required.

SPECIFICATIONS

AAC, All Aluminum Conductor, meets or exceeds all applicable requirements of the following standards:

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

CONSTRUCTION

Conductor: Bare aluminum, class B concentric lay stranded.

FEATURES & BENEFITS, OPTIONS

- Flexibility
- Lighter cable than ACSR

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Code Word	Size (AWG / cmil)	Stranding		Diameter (in)		Cross-Sectional Area (Sq.In)	Net Weight (Lbs/ 1000 ft)	Rated Strength (Lbs)	Resistance (Ohms/1000FT)		Allowable Ampacity* (Amps)
		Number Wires	Class	Individual Wires	Complete Cable				DC @20°C	AC @75°C	
PEACHBELL	6	7	A	0.0612	0.184	0.0206	25	563	0.6580	0.8050	103
ROSE	4	7	A	0.0772	0.232	0.0328	39	881	0.4140	0.5060	138
IRIS	2	7	AA,A	0.0974	0.292	0.0521	62	1350	0.2600	0.3180	185
PANSEY	1	7	AA,A	0.1093	0.328	0.0657	79	1640	0.2070	0.2520	214
POPPY	1/0	7	AA,A	0.1228	0.368	0.0829	99	1990	0.1640	0.2020	247
ASTER	2/0	7	AA,A	0.1379	0.414	0.1045	125	2510	0.1300	0.1590	286
PHLOX	3/0	7	AA,A	0.1548	0.464	0.1318	158	3040	0.1030	0.1260	331
OXLIP	4/0	7	AA,A	0.1739	0.522	0.1662	199	3830	0.0817	0.0999	383
SNEEZEWART	250,000	7	A	0.1890	0.567	0.1964	235	4520	0.0691	0.0846	425
VALERIAN	250,000	19	A	0.1147	0.574	0.1964	235	4660	0.0691	0.0846	426
DAISY	266,800	7	AA	0.1953	0.586	0.2095	251	4830	0.0648	0.0793	443
LAUREL	266,800	19	A	0.1185	0.593	0.2095	251	4970	0.0648	0.0793	444
TULIP	336,400	19	A	0.1331	0.666	0.2642	316	6150	0.0514	0.0630	513
DAFFODIL	350,000	19	A	0.1357	0.679	0.2749	329	6390	0.0494	0.0605	526
CANNA	397,500	19	AA,A	0.1447	0.724	0.3122	373	7110	0.0435	0.0534	570
COSMOS	477,000	19	AA	0.1584	0.793	0.3746	448	8360	0.0362	0.0472	639
ZINNIA	500,000	19	AA	0.1622	0.811	0.3927	469	8760	0.0346	0.0425	658
HYACINTH	500,000	37	A	0.1162	0.813	0.3290	469	9110	0.0346	0.0425	658
DAHLIA	556,500	19	AA	0.1711	0.856	0.4371	522	9750	0.0311	0.0382	703
ORCHID	636,000	37	AA,A	0.1311	0.918	0.4995	597	11400	0.0272	0.0335	765
PETUNIA	750,000	37	AA	0.1424	0.997	0.5891	704	13100	0.0230	0.0286	847
ARBUTUS	795,000	37	AA	0.1446	1.026	0.6244	746	13900	0.0217	0.0271	878
MAGNOLIA	954,000	37	AA	0.1606	1.124	0.7493	896	16400	0.0181	0.0226	982
HAWKWEED	1,000,000	37	AA	0.1644	1.150	0.7854	939	17200	0.0173	0.0216	1010
BLUEBELL	1,033,500	37	AA	0.1671	1.170	0.8117	970	17700	0.0167	0.0210	1031
LARKSPUR	1,033,500	61	A	0.1302	1.172	0.8117	970	18300	0.0167	0.0210	1032
MARIGOLD	1,113,000	61	AA,A	0.1351	1.216	0.8742	1045	19700	0.0155	0.0195	1079
HAWTHORN	1,192,500	61	AA,A	0.1398	1.258	0.9366	1119	21100	0.0145	0.0183	1124

*Based on conductor temperature of 75°C; ambient temperature of 25°C; 2 ft/sec wind.

Notes:

- Conductors shown in this section of data are classified as follows:
 - Class AA** For bare conductors usually used in overhead lines.
 - Class A** For conductors to be covered with weather-resistant material and for bare conductors where greater flexibility is required.
- Sizes available up to 2515 kcmil.
- Cable can be manufactured to various international standards.

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