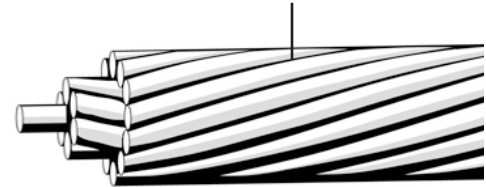


AAC Bare Aluminum

Aluminum Conductor



ALL ALUMINUM CONDUCTOR

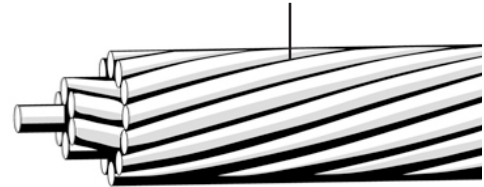
Concentric Lay Aluminum 1350 Wire

Code Name	Size	Stranding	Class	Individual Wire Diameter (in.)	Complete Cable Diameter (in.)	Weight (lb/kft.)	Rated Strength (lb/ft)	Resistance OHMS/1000 ft. DC @ 20°	Resistance OHMS/1000 ft. AC @ 75°	Allowable Ampacity (Amps)*
Peachbell	6	7	A	0.0612	0.184	25.0	563	0.658	0.805	103
Rose	4	7	A	0.0772	0.232	39.2	881	0.414	0.506	138
Iris	2	7	AA,A	0.0974	0.292	62.3	1350	0.260	0.318	185
Pansy	1	7	AA,A	0.1093	0.328	78.5	1640	0.207	0.252	214
Poppy	1/0	7	AA,A	0.1228	0.368	99.1	1990	0.164	0.200	247
Aster	2/0	7	AA,A	0.1309	0.416	124.9	2510	0.130	0.159	286
Phlox	3/0	7	AA,A	0.1548	0.464	157.5	3040	0.103	0.126	331
Oxlip	4/0	7	AA,A	0.1739	0.522	198.7	3830	0.0817	0.0999	383
Sneezewort	250	7	AA	0.1890	0.567	234.0	4520	0.0691	0.0846	425
Valerian	250	19	A	0.1147	0.574	234.6	4660	0.0691	0.0846	426
Daisy	266.8	7	AA	0.1953	0.586	250.6	4830	0.0648	0.0793	443
Laurel	266.8	19	A	0.1185	0.593	250.4	4970	0.0648	0.0793	444
Peony	300	19	A	0.1257	0.628	281.0	5480	0.0576	0.0706	478
Tulip	336.4	19	A	0.1331	0.666	316.0	6150	0.0514	0.0630	513
Daffodil	350	19	A	0.1357	0.679	328.4	6390	0.0494	0.0605	526
Canna	397.5	19	AA,A	0.1447	0.724	373.4	7110	0.0435	0.0534	570
Goldentuft	450	19	AA	0.1539	0.769	447.0	7890	0.0384	0.0472	616
Cosmos	477	19	AA	0.1584	0.792	447.5	8360	0.0362	0.0445	639
Syringa	477	37	A	0.1135	0.795	447.4	8690	0.0362	0.0445	639
Zinnia	500	19	AA	0.1622	0.811	469.2	8760	0.0346	0.0425	658
Hyacinth	500	37	A	0.1162	0.813	469.0	9110	0.0346	0.0425	658
Dahlia	556.5	19	AA	0.1711	0.856	522.1	9750	0.0311	0.0382	703
Mistletoe	556.5	37	AA,A	0.1226	0.858	522.0	9940	0.0311	0.0382	704
Meadowsweet	600	37	AA,A	0.1273	0.891	562.0	10700	0.0228	0.0355	738
Orchid	636	37	AA,A	0.1311	0.918	596.4	11400	0.0272	0.0335	765
Heuchera	650	37	AA	0.1325	0.928	609.0	11600	0.0266	0.0328	775
Verbena	700	37	AA	0.1375	0.963	656.0	12500	0.0247	0.0305	812
Flag	700	61	A	0.1071	0.964	656.8	12900	0.0247	0.0305	812
Violet	715.5	37	AA	0.1391	0.974	672.0	12800	0.0242	0.0299	823
Nasturtium	715.5	61	A	0.1083	0.975	671.0	13100	0.0242	0.0299	823
Petunia	750	37	AA	0.1424	0.997	703.0	13100	0.0230	0.0286	847
Cattail	750	61	A	0.1109	0.998	704.3	13500	0.0230	0.0286	847
Arbutus	795	37	AA	0.1466	1.026	746.4	13900	0.0217	0.0270	878
Lilac	795	61	A	0.1142	1.028	746.7	14300	0.0217	0.0270	879
Cockscomb	900	37	AA	0.1560	1.092	844.0	15400	0.0192	0.0239	948
Snapdragon	900	61	A	0.1215	1.093	844.0	15900	0.0192	0.0239	948
Magnolia	954	37	AA	0.1606	1.124	895.8	16400	0.0181	0.0226	982
Goldenrod	954	61	A	0.1251	1.126	896.1	16900	0.0181	0.0226	983
Hawkweed	1000	37	AA	0.1644	1.151	937.0	17200	0.0173	0.0216	1010
Camellia	1000	61	A	0.1280	1.152	938.2	17700	0.0713	0.0216	1011
Bluebell	1033.5	37	AA	0.1672	1.170	970.0	17700	0.0167	0.0210	1031
Larkspur	1033.5	61	A	0.1302	1.172	970.6	18300	0.0167	0.0210	1032
Marigold	1113	61	AA,A	0.1351	1.216	1043.0	19700	0.0155	0.0195	1079
Hawthorn	1192.5	61	AA,A	0.1398	1.258	1118.0	21100	0.0145	0.0183	1124
Narcissus	1272	61	AA,A	0.1444	1.30	1192.0	22000	0.0136	0.0173	1169

* Ampacities shown are for general use as specified by the National Electrical Code, Article 310.15

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Aluminum Conductor



Bare
Aluminum
Conductors

ALL ALUMINUM CONDUCTOR

Concentric Lay Aluminum 1350 Wire

Code Name	Size	Stranding	Class	Individual Wire Diameter (in.)	Complete Cable Diameter (in.)	Weight (lb/kft.)	Rated Strength (lb/ft)	Resistance OHMS/1000 ft. DC @ 20°	Resistance OHMS/1000 ft. AC @ 75°	Allowable Ampacity (Amps)*
Columbine	1351.5	61	AA,A	0.1488	1.340	1267	23400	0.0128	0.0163	1212
Carnation	1431	61	AA,A	0.1532	1.378	1341	24300	0.0121	0.0155	1253
Gladiolus	1510.5	61	AA,A	0.1574	1.416	1416	25600	0.0144	0.0147	1294
Coreopsis	1590	61	AA	0.1614	1.453	1490	27000	0.0109	0.0141	1333
Jessamine	1750	61	AA	0.1694	1.524	1640	29700	0.00988	0.0129	1408
Cowslip	2000	91	A	0.1482	1.631	1875	34200	0.00864	0.0115	1518
Sagebrush	2250	91	A	0.1572	1.730	2130	37500	0.00776	0.0105	1612
Lupine	2500	91	A	0.1657	1.823	2366	41900	0.00698	0.00969	1706
Bitterroot	2750	91	A	0.1738	1.912	2603	46100	0.00635	0.009	1793
Trillium	3000	127	A	0.1537	1.998	2840	50300	0.0058	0.0084	1874
Bluebonnet	3500	127	A	0.1660	2.158	3345	58700	0.005	0.0076	2024

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APPLICATION:

This wire is suitable for use in spans on wood poles, transmission towers, and other structures where high tensile strength is not required. Applications range from extra high voltage (EHV) transmission lines to sub-service spans at distribution or utilization voltages on private premises.

AAC (all aluminum conductor) is the most economical bare overhead conductor due to its lighter weight. It offers easier handling during installation and use of simpler fittings. The wire is corrosion resistant due to its homogeneous construction.

CONSTRUCTION:

Aluminum alloy 1350 wires concentric lay stranded wrapped helically around a central wire. Each successive layer has six wires more than the previous underlying layer. Outer layer is right hand lay and reversed in successive layers.

ADDITIONAL STANDARDS:

- ASTM B-230: Aluminum 1350-H19 wire for electrical purposes.
- ASTM B 231: Concentric Lay Stranded Aluminum 1350 Conductors.