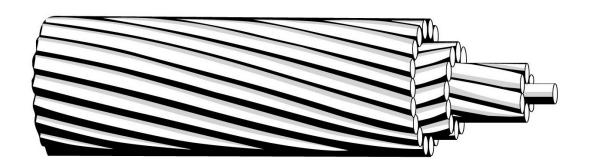
All Aluminum Conductor. Bare.



APPLICATIONS

Classes ¹ AA and A are used primarily for overhead transmission and primary and secondary distribution, where ampacity must be maintained and 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

Southwire's AAC bare conductor meets or exceeds the following ASTM specifications:

- B230 Aluminum 1350-H19 Wire for Electrical Purposes.
- B231 Concentric-Lay-Stranded Aluminum 1350 Conductors.

CONSTRUCTION

Aluminum 1350-H19 wires, concentrically stranded.





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¹ Classes refer to stranding and are an indication of relative conductor flexibility, AA being the least flexible, C the most flexible.



Code Word	Size (AWG or kcmil)	Stranding		Diameter (ins.)		Cross- Sectional	Weight Per	Rated Strength	Resistance OHMS/1000 ft.		Allowable Ampacity+
		No. of Wires	Class	Individual Wires	Complete Cable	Area (Sq. ins.)	1000 ft. (lbs.)	(lbs.)	DC @ 20°C	AC @ 75°C	(Amps)
Peachbell	6	7	Α	.0612	.184	.0206	25	563	.658	.805	103
Rose	4	7	А	.0772	.232	.0328	39	881	.414	.506	138
Iris	2	7	AA, A	.0974	.292	.0522	62	1350	.260	.318	185
Pansy	1	7	AA	.1093	.328	.0657	78	1640	.207	.252	214
Рорру	1/0	7	AA, A	.1228	.368	.0829	99	1990	.164	.200	247
Aster	2/0	7	AA, A	.1379	.414	.1045	125	2510	.130	.159	286
Phlox	3/0	7	AA, A	.1548	.464	.1317	157	3040	.103	.126	331
Oxlip	4/0	7	AA, A	.1739	.522	.1663	198	3830	.0817	.0999	383
Sneezewort	250	7	AA	.189	.567	.1964	234	4520	.0691	.0846	425
Valerian	250	19	А	.1147	.574	.1963	234	4660	.0691	.0846	426
Daisy	266.8	7	AA	.1952	.586	.2095	250	4830	.0648	.0793	443
Laurel	266.8	19	Α	.1185	.592	.2095	250	4970	.0648	.0793	444
Peony	300	19	Α	.1257	.628	.2358	281	5480	.0576	.0706	478
Tulip	336.4	19	А	.1331	.665	.2644	315	6150	.0514	.0630	513
Daffodil	350	19	Α	.1357	.679	.2748	328	6390	.0494	.0605	526
Canna	397.5	19	AA, A	.1446	.723	.312	373	7110	.0435	.0534	570
Goldentuft	450	19	AA	.1539	.769	.3534	422	7890	.0384	.0472	616
Cosmos	477	19	AA	.1584	.792	.3744	447	8360	.0362	.0445	639
Syringa	477.0	37	Α	.1135	.795	.3744	447	8690	.0362	.0445	639
Zinnia	500	19	AA	.1622	.811	.3926	469	8760	.0346	.0425	658
Hyacinth	500	37	AA	.1162	.814	.3924	469	9110	.0346	.0425	658
Dahlia	556.5	19	AA	.1711	.856	.4369	522	9750	.0311	.0382	703
Mistletoe	556.5	37	AA	.1226	.858	.4368	522	9940	.0311	.0382	704
Meadowsweet	600	37	AA	.1273	.891	.4709	562	10700	.0228	.0355	738
Orchid	636.0	37	AA, A	.1311	.918	.4995	596	11400	.0272	.0335	765
Heuchera	650	37	AA	.1325	.928	.5102	609	11600	.0266	.0328	775
Verbena	700	37	AA	.1375	.963	.5494	656	12500	.0247	.0305	812
Flag	700	61	Α	.1071	.964	.5495	656	12900	.0247	.0305	812
Violet	715.5	37	AA	.1391	.973	.5623	671	12800	.0242	.0299	823
Nasturtium	715.5	61	AA	.1083	.975	.5619	671	13100	.0242	.0299	823
Petunia	750.0	37	AA	.1424	.997	.5893	703	13100	.0230	.0286	847
Cattail	750	61	AA	.1109	.998	.5892	703	13500	.0230	.0286	847
Arbutus	795	37	AA	.1466	1.026	.6245	745	13900	.0217	.0270	878
Lilac	795.0	61	Α	.1142	1.027	.6248	745	14300	.0217	.0270	879
Cockscomb	900	37	AA	.156	1.092	.7072	844	15400	.0192	.0239	948
Snapdragon	900	61	AA	.1215	1.093	.7072	844	15900	.0192	.0239	948
Magnolia	954.0	37	AA	.1606	1.124	.7495	894	16400	.0181	.0226	982







954.0	61	А	.1251	1.125	.7498	894	16900	.0181	.0226	983
1000	37	AA	.1644	1.151	.7854	937	17200	.0173	.0216	1010
1000	61	AA	.128	1.152	.7849	937	17700	.0713	.0216	1011
1033.5	37	AA	.1671	1.17	.8114	969	17700	.0167	.0210	1031
1033.5	61	AA	.1302	1.171	.8122	969	18300	.0167	.0210	1032
1113.0	61	AA, A	.1351	1.216	.8744	1043	19700	.0155	.0195	1079
1192.5	61	AA, A	.1398	1.258	.9363	1118	21100	.0145	.0183	1124
1272.0	61	AA, A	.1444	1.3	.999	1192	22000	.0136	.0173	1169
1351.5	61	AA, A	.1488	1.34	1.0608	1267	23400	.0128	.0163	1212
1431	61	AA, A	.1532	1.378	1.1244	1341	24300	.0121	.0155	1253
1510.5	61	А	.1574	1.416	1.1869	1416	25600	.0144	.0147	1294
1590.0	61	AA	.1614	1.453	1.248	1490	27000	.0109	.0141	1333
1750.0	61	AA	.1694	1.524	1.3748	1640	29700	.00988	.0129	1408
2000.0	91	А	.1482	1.631	1.5697	1875	34200	.00864	.0115	1518
2250	91	А	.1572	1.73	1.7662	2130	37500	.00776	.0105	1612
2500.0	91	А	.1657	1.823	1.9623	2366	41900	.00698	.00969	1706
2750	91	А	.1738	1.912	2.1589	2603	46100	.00635	.00900	1793
3000	127	А	.1537	1.998	2.3564	2839	50300	.00582	.00834	1874
3500	127	А	.166	2.158	2.7486	3345	58700	.00499	.00756	2024
	1000 1000 1033.5 1033.5 1113.0 1192.5 1272.0 1351.5 1431 1510.5 1590.0 1750.0 2000.0 2250 2500.0 2750 3000	1000 37 1000 61 1033.5 37 1033.5 61 1113.0 61 1192.5 61 1272.0 61 1351.5 61 1431 61 1510.5 61 1750.0 61 2000.0 91 2250 91 2500.0 91 3000 127	1000 37 AA 1000 61 AA 1033.5 37 AA 1033.5 61 AA, A 1113.0 61 AA, A 11192.5 61 AA, A 1272.0 61 AA, A 1351.5 61 AA, A 1431 61 AA, A 1510.5 61 A 1590.0 61 AA 2000.0 91 A 2250 91 A 2500.0 91 A 2750 91 A 3000 127 A	1000 37 AA .1644 1000 61 AA .128 1033.5 37 AA .1671 1033.5 61 AA .1302 1113.0 61 AA, A .1351 1192.5 61 AA, A .1398 1272.0 61 AA, A .1444 1351.5 61 AA, A .1488 1431 61 AA, A .1532 1510.5 61 A .1574 1590.0 61 AA .1614 1750.0 61 AA .1694 2000.0 91 A .1482 2250 91 A .1657 2750 91 A .1738 3000 127 A .1537	1000 37 AA .1644 1.151 1000 61 AA .128 1.152 1033.5 37 AA .1671 1.17 1033.5 61 AA .1302 1.171 1113.0 61 AA, A .1351 1.216 1192.5 61 AA, A .1398 1.258 1272.0 61 AA, A .1444 1.3 1351.5 61 AA, A .1488 1.34 1431 61 AA, A .1532 1.378 1510.5 61 A .1574 1.416 1590.0 61 AA .1614 1.453 1750.0 61 AA .1694 1.524 2000.0 91 A .1482 1.631 2250 91 A .1572 1.73 2500.0 91 A .1657 1.823 2750 91 A .1738 1.912 </td <td>1000 37 AA .1644 1.151 .7854 1000 61 AA .128 1.152 .7849 1033.5 37 AA .1671 1.17 .8114 1033.5 61 AA .1302 1.171 .8122 1113.0 61 AA, A .1351 1.216 .8744 1192.5 61 AA, A .1398 1.258 .9363 1272.0 61 AA, A .1444 1.3 .999 1351.5 61 AA, A .1488 1.34 1.0608 1431 61 AA, A .1532 1.378 1.1244 1510.5 61 A .1574 1.416 1.1869 1590.0 61 AA .1614 1.453 1.248 1750.0 61 AA .1694 1.524 1.3748 2000.0 91 A .1482 1.631 1.5697 2250 91 <td< td=""><td>1000 37 AA .1644 1.151 .7854 937 1000 61 AA .128 1.152 .7849 937 1033.5 37 AA .1671 1.17 .8114 969 1033.5 61 AA .1302 1.171 .8122 969 1113.0 61 AA, A .1351 1.216 .8744 1043 1192.5 61 AA, A .1398 1.258 .9363 1118 1272.0 61 AA, A .1444 1.3 .999 1192 1351.5 61 AA, A .1488 1.34 1.0608 1267 1431 61 AA, A .1532 1.378 1.1244 1341 150.5 61 A .1574 1.416 1.1869 1416 1590.0 61 AA .1694 1.524 1.3748 1640 2000.0 91 A .1482 1.631 <td< td=""><td>1000 37 AA .1644 1.151 .7854 937 17200 1000 61 AA .128 1.152 .7849 937 17700 1033.5 37 AA .1671 1.17 .8114 969 17700 1033.5 61 AA .1302 1.171 .8122 969 18300 1113.0 61 AA, A .1351 1.216 .8744 1043 19700 1192.5 61 AA, A .1398 1.258 .9363 1118 21100 1272.0 61 AA, A .1444 1.3 .999 1192 22000 1351.5 61 AA, A .1488 1.34 1.0608 1267 23400 1431 61 AA, A .1532 1.378 1.1244 1341 24300 1510.5 61 A .1574 1.416 1.1869 1416 25600 1750.0 61 AA</td><td>1000 37 AA .1644 1.151 .7854 937 17200 .0173 1000 61 AA .128 1.152 .7849 937 17700 .0713 1033.5 37 AA .1671 1.17 .8114 969 17700 .0167 1033.5 61 AA .1302 1.171 .8122 969 18300 .0167 1113.0 61 AA, A .1351 1.216 .8744 1043 19700 .0155 1192.5 61 AA, A .1398 1.258 .9363 1118 21100 .0145 1272.0 61 AA, A .1444 1.3 .999 1192 22000 .0136 1351.5 61 AA, A .1488 1.34 1.0608 1267 23400 .0128 1431 61 AA, A .1532 1.378 1.1244 1341 24300 .0121 1510.5 61 <t< td=""><td>1000 37 AA .1644 1.151 .7854 937 17200 .0173 .0216 1000 61 AA .128 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+Conductor temperature of 75°C, ambient temperature 25°C, emissivity 0.5, wind 2 ft./sec. in sun.



