

All Aluminum Conductor, Bare

Construction

Aluminum alloy 1350-H19 wires, concentrically stranded.

Specifications

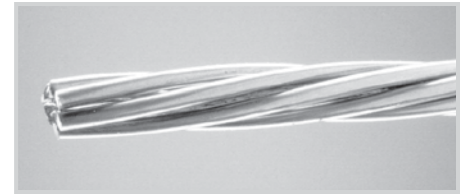
Meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- B-231 Aluminum Conductors, Concentric-Lay-Stranded

Applications

Classes* 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, 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.

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



See referenced page in the Hardware & Supplies section:

Suggested Prep Tool

- Cable End Strippers
2x2, 4x4 - I-9

Code Word	Size (AWG or kcmils)	Stranding		Individual Wire Dia. (in)	Complete Cable Dia. (in)	Resistance (Ohms/M-ft)		Allowable Ampacity (amps)
		No. of Wires	Class			DC @ 20°C	AC @ 20°C	
Iris	2	7	AA, A	.0974	.292	.26000	.31800	185
Poppy	1/0	7	AA, A	.1228	.368	.16400	.20000	247
Aster	2/0	7	AA, A	.1379	.414	.13000	.15900	286
Phlox	3/0	7	AA, A	.1548	.464	.10300	.12600	331
Oxlip	4/0	7	AA, A	.1739	.522	.08170	.09990	383
Laurel	266.8	19	A	.1185	.592	.06480	.07930	444
Tulip	336.4	19	A	.1331	.665	.05140	.06300	513
Daffodil	350	19	A	.1357	.679	.04940	.06050	526
Canna	397.5	19	AA, A	.1446	.723	.04350	.05340	570
Cosmos	477	19	AA	.1584	.792	.03620	.04450	639
Dahlia	556.5	19	AA	.1711	.856	.03110	.03820	703
Mistletoe	556.5	37	AA	.1226	.858	.03110	.03820	704
Meadowsweet	600	37	AA	.1273	.891	.02280	.03550	738
Orchid	636	37	AA, A	.1311	.918	.02720	.03550	765
Petunia	750	37	AA	.1424	.997	.02300	.02860	847
Arbutus	795	37	AA	.1466	1.026	.02170	.02700	878
Magnolia	954	37	AA	.1606	1.124	.01810	.02260	982
Bluebell	1033.5	37	AA	.1671	1.170	.01670	.02100	1031
Narcissus	1272	61	AA, A	.1444	1.300	.01360	.01730	1169
Coreopsis	1590	61	AA	.1614	1.453	.01090	.01410	1333
Lupine	2500	91	A	.1657	1.823	.00698	.00969	1706

Other cables not listed here may be available upon request.

Information based on Southwire specs.