

Aluminum Conductor, Steel Reinforced

Construction

Aluminum alloy 1350-H19 wires, concentrically stranded about a steel core. Core wire for ACSR is available with class A, B or C galvanizing; "aluminized" aluminum coated (AZ); or aluminum-clad (AW). Additional corrosion protection is available through the application of grease to the core or infusion of the complete cable with grease.

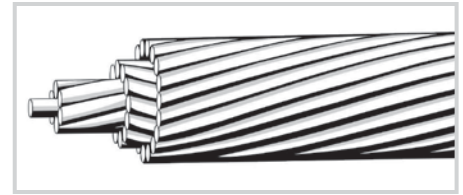
Specifications

Meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- B-231 Aluminum Conductors, Concentric-Lay-Stranded
- B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced for ACSR
- B-341 Aluminum-Coated Steel Core Wire for ACSR/AZ
- B-498 Zinc-Coated Steel Core Wire for ACSR
- B-802 Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire for ACSR

Applications

Used as bare overhead transmission cable and as primary and secondary distribution cable. ACSR offers optimal strength for line design. Variable steel core stranding enables desired strength to be achieved without sacrificing ampacity.



See referenced page in the
Hardware & Supplies section:

Suggested Prep Tool

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

Code Word	AWG	Stranding (Alum./Stl.)	Individual Wire Dia. (in)		Diameter (in)		Weight (lbs/M-ft)	Resistance (Ohms/M-ft)		Allowable Ampacity (amps)
			Alum.	Steel	Steel Core	Complete Cable		DC @ 20°C	AC @ 20°C	
Swanate	4	7/1	.0772	.1030	.1030	.257	67	.3990	.5190	140
Sparrow	2	6/1	.1052	.1052	.1052	.316	91	.2540	.3320	184
Sparate	2	7/1	.0974	.1298	.1298	.325	107	.2510	.3380	184
Raven	1/0	6/1	.1327	.1327	.1327	.398	145	.1590	.2170	242
Quail	2/0	6/1	.1489	.1489	.1489	.447	183	.1260	.1760	276
Pigeon	3/0	6/1	.1672	.1672	.1672	.502	230	.1000	.1440	315
Penguin	4/0	6/1	.1878	.1878	.1878	.563	291	.0795	.1190	357
Merlin	336.4	18/1	.1367	.1367	.1367	.684	365	.0510	.0625	519
Linnet	336.4	26/7	.1137	.0885	.2654	.720	462	.0505	.0618	529
Pelican	477	18/1	.1628	.1628	.1628	.814	517	.0360	.0442	646
Drake	795	26/7	.1749	.1360	.4080	1.107	1093	.0214	.0263	907

Other cables not listed here may be available upon request.

Information based on Southwire specs.