ACSR/AW

Aluminum Conductor Steel Reinforced Aluminum alloy 1350-H19 wires, concentrically stranded about an aluminum-clad steel core.

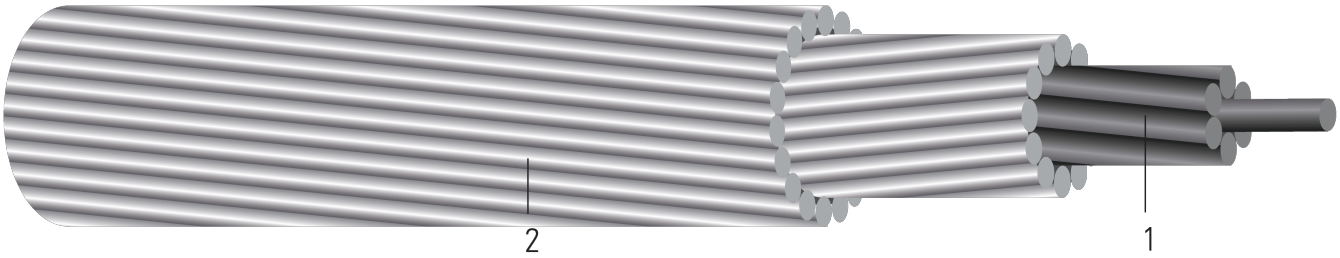

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Core:** Aluminum-clad steel core.
2. **Stranding:** Aluminum 1350-H19 wires, concentrically stranded about a steel core.

- Additional corrosion protection is available through the application of grease to the core or infusion of the complete cable with grease.
- ACSR conductor is also available in non-specular.

APPLICATIONS AND FEATURES:

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

SPECIFICATIONS:

- ASTM B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- ASTM B232 Concentric-Lay-Stranded, Aluminum Conductors, Coated Steel Reinforced (ACSR)
- ASTM B498 Zinc-Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR)
- ASTM B500 Metallic Coated Stranded Steel Core for use in overhead Electrical Conductors

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Weights and Measurements

Stock Number	Conductor Size	Code Name	Conductor Strandig	Overall Diameter	Aluminum Weight	Overall Weight	dc Resistance	ac Resistance
				inch	Lb/1000ft	Lb/1000ft	ohm/1000ft	ohm/1000ft
199786	4	SWAN	6	0.25	38	54	0.399	0.519
199638	2	SPARROW	6	0.315	61	86	0.658	0.805
140459	1/0	RAVEN	6	0.398	98	138	0.159	0.217
161869	3/0	PIGEON	6	0.501	156	219	0.103	0.126
158121	4/0	PENGUIN	6	0.563	197	276	0.08	0.119
199620	336.4	LINNET	26	0.72	316	439	0.05	0.061
145094	477	HAWK	26	0.857	448	623	0.035	0.043
200857	556.5	DOVE	26	0.926	524	728	0.03	0.037
226951	636	ROOK	24	0.976	599	784	0.027	0.033
199570	795	DRAKE	26	1.107	749	1040	0.021	0.026
234914	954	CARDINAL	54	1.196	898	1176	0.017	0.021
621465	1113	BLUEJAY	45	1.258	1048	1221	0.015	0.02
499947	1272	PHEASANT	54	1.381	1204	1568	0.014	0.017
337345	1431	BOBOLINK	45	1.426	1347	1570	0.012	0.015
423277	1590	LAPWING	45	1.503	1498	1745	0.011	0.014