

ACSR ALUMINUM CONDUCTOR - STEEL REINFORCED

Construction

Conductor:

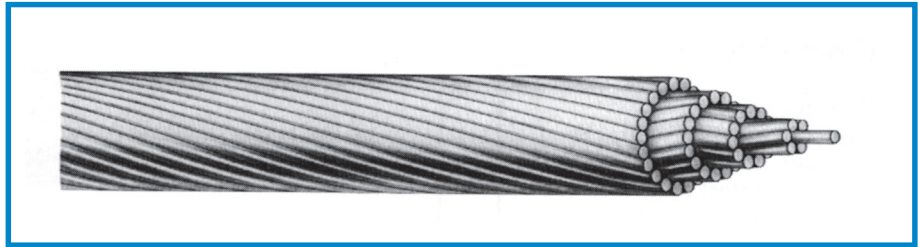
- Aluminum alloy 1350-H-19 wires, concentrically stranded about a steel core. Core wire for ACSR is available with class A, B, or C galvanizing; "aluminized" aluminum coated (AZ); or aluminum-clad (AW).
- Additional corrosion protection is available through the application of grease to the corer or infusion of the complete cable with grease.

Application:

- 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.

Standards: ACSR

- ASTM B-230 (Aluminum Wire, 1350-H19 for Electrical Purposes).
- ASTM B-231 (Aluminum Conductors, Concentric-Lay-Stranded).
- ASTM B-232 (Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced [ACSR]).
- ASTM B-341 (Aluminum-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced [ACSR/AZ]).
- ASTM B-498 (Zinc-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced [ACSR/AZ]).
- ASTM B-500 (Zinc-Coated and Aluminum Coated Stranded Steel Core for Aluminum Conductors, Steel Reinforced [ACSR]).



CUSTOM PART NUMBER	CODE WORD	SIZE AWG	STRAND (ALUM/STEEL)	DIAMETER				WEIGHT PER 1000 FT. (LBS)	RATED BREAKING STRENGTH (LBS)	RESISTANCE OHMS/1000 FEET		RATING (AMPS)
				INDIV. WIRES		STEEL CORE	COMPLETE CABLE OD			DC @20°C	AC @75°C	
				Alum.	Steel							
ACSR ALUMINUM CONDUCTOR STEEL REINFORCED												
29800	SWAN	4	6/1	.0834	.0834	.0834	.250	57.4	1,860	.403	.515	140
29801	SWANATE	4	7/1	.0772	.1029	.1029	.257	67.0	2,360	.399	.519	140
29802	SPARROW	2	6/1	.1052	.1052	.1052	.316	91.3	2,850	.254	.332	184
29803	SPARATE	2	7/1	.0974	.1299	.1299	.325	105.7	3,640	.251	.338	184
29804	RAVEN	1/0	6/1	.1327	.1327	.1327	.398	145.3	4,380	.149	.217	242
29805	QUAIL	2/0	6/1	.1489	.1489	.1489	.447	183.0	5,300	.126	.176	276
29806	PIGEON	3/0	6/1	.1672	.1672	.1672	.502	230.7	6,620	.100	.144	315
29807	PENGUIN	4/0	6/1	.1878	.1878	.1878	.563	291.1	8,350	.0795	.119	357
29808	WAXWING	266.8	18/1	.1217	.1217	.1217	.609	289.5	6,880	.0643	.0787	449
29809	PATRIDGE	266.8	26/7	.1013	.0788	.2364	.642	367.2	11,300	.0637	.0779	475
29810	MERLIN	336.4	18/1	.1367	.1367	.1367	.683	365.2	8,680	.0510	.0625	519
29811	LINNET	336.4	26/7	.1137	.0884	.2642	.720	462.5	14,100	.0505	.0618	529
29812	ORIOLE	336.4	30/7	.1059	.1059	.3117	.741	527.1	17,800	.05052	.0613	535
29813	IBIS	397.5	26/7	.1236	.0961	.2882	.783	546.6	16,300	.0428	.0523	587
29814	PELICAN	477.0	18/1	.1628	.1628	.1628	.814	518.0	11,800	.0360	.0442	646
29815	HAWK	477.0	26/7	.1354	.1053	.3159	.858	656.0	19,500	.0356	.0436	659
29816	DOVE	556.5	26/7	.1463	.1138	.3414	.927	766.0	22,500	.0306	.0375	726
29817	GROSBEAK	636.0	26/7	.1564	.1216	.3648	.990	874.1	25,200	.0267	.0328	789



Custom Cable Corp.

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