

Product Specifications



ACSR CONDUCTOR

Aluminium conductor steel-reinforced cable (ACSR) is a type of high-capacity, high-strength stranded conductor. The outer strands are high-purity aluminium. The center strand is steel for additional strength to help support the weight of the conductor.

Standard

- IEC61089
- ASTM B-232
- BS215

Construction

- Concentrically stranded
- Max. Size 3500MCM, Max. str. No. 91

Application

- Used as bare overhead transmission cable and as primary and secondary distribution cable.

ACSR-ASTM B232									
Code name	Area Aluminum	Stranding No. and diameter				Approximate overall diameter	Approx. Weight	Rated tensile strength	Maximum D.C. Resistance at 20°C
		Aluminum		Steel					
	AWG or MCM	mm	mm	mm	mm	kg/km	daN	Ω/km	
wren	8	6	1.33	1	1.33	3.99	33.7	308	3.43035
Penguin	4/0	6	4.77	1	4.77	14.31	433	3706	0.2675
Waxwing	266.8	18	3.09	1	3.09	15.45	431	3027	0.2133
Merlin	336.4	18	3.47	1	3.47	17.35	544	3823	0.1691
Dove	556.5	26	3.72	7	2.89	23.55	1140	10103	0.1027
Bobolink	1431	45	4.53	7	3.02	36.24	2402	17071	0.03994

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ACSR-BS215									
Code name	Nominal aluminum area mm ²	Stranding No. and wire dia.				Approx. Overall dia. mm	Approx. weight kg/km	Calculated breaking load daN	Max. D.C resistance at 20°C Ω/km
		Al		St					
		No.s	mm	No.s	mm				
Mole	10	6	1.5	1	1.5	4.5	43	414	2.706
Gopher	25	6	2.36	1	2.36	7.08	106	961	1.093
Beaver	70	6	3.99	1	3.99	11.97	302	2570	0.3825
Dog	100	6	4.72	7	1.57	14.15	394	3270	0.2733
Leopard	125	8	5.28	7	1.75	15.81	492	4070	0.2184
Lynx	175	30	2.79	7	2.79	19.53	842	7980	0.1576
Goat	300	30	3.71	7	3.71	25.97	1489	13570	0.0891
Finch	500	54	3.65	19	2.29	33.35	2243	18070	0.0512