

Table 8.2

Physical and Electrical Data for popular ACSR sizes

Code Name	Equival. Copper Area	Standing/wire diam.	Overall Diameter	Mass (kg/km)			Ultimate tensile strength	DC resistance at 20°C	Current rating
	(mm ²)	(mm)	(mm)	Aluminium	Steel	Total	(N)	(Ω/km)	(Amps)
Squirrel	12,90	6/1/2,11	6,33	57,70	27,50	85,20	8020	1,3677	130
Gopher	16,30	6/1/2,36	7,08	72,20	34,40	107	9610	1,0933	150
Fox	22,58	6/1/2,79	8,37	101	48,10	149	13100	0,7822	190
Ferret	25,81	6/1/3,00	9,00	117	55,60	173	15200	0,6766	210
Rabbit	32,26	6/1/3,35	10,05	145	69,40	214	18500	0,5426	240
Mink	38,71	6/1/3,66	10,98	174	82,80	257	21900	0,4546	260
Hare	64,52	6/1/4,72	14,16	289	138	427	36000	0,2733	360
Dog	64,52	6/4,72+7/1,57	14,15	289	100	389	34700	0,2733	360
Wolf	96,77	30/7/2,59	18,13	438	292	730	69200	0,1828	470
Panther	129,00	30/7/3,00	21,00	588	391	970	90800	0,1363	560
Bear	161,30	30/7/3,35	23,45	733	488	1220	112000	0,1093	650
Goat	193,50	30/7/3,71	25,97	899	598	1500	136000	0,0891	730