

ALUMINIUM CONDUCTOR STEEL REINFORCED (ACSR)/ BS 215, Part 2: 1970

Code name	Nom. Al area	Equivt Copper area	Stranding And wire diameter		Overall diameter	Area			Weight			Nominal Breaking load	Max. dc Resistance At 200c
			Al.	Steel		Al.	Steel	Total	Al.	Steel	Total		
			sq.mm	sq.mm		mm	mm	mm	sq.mm	sq.mm	sq.mm		
Mole	10	6.5	6/1.50	1/1.50	4.5	10.6	1.77	12.36	29	14	43	4130	2.706
Squirrel	20	12.9	6/2.11	1/2.11	6.33	20.98	3.49	24.48	58	27	85	7910	1.37
Gopher	25	16.1	6/0.36	1/2.36	7.08	26.25	4.37	30.62	72	34	106	9600	1.093
Weasel	30	19.4	6/2.59	1/2.59	7.77	31.61	5.27	36.88	87	41	128	11440	0.9077
Fox	35	22.6	6/2.79	1/2.79	8.37	36.68	6.11	42.79	101	48	149	13160	0.7822
Ferret	40	25.8	6/3.00	1/3.00	9	42.41	7.07	49.48	117	55	172	15220	0.6766
Rabbit	50	32.3	6/3.35	1/3.35	10.05	52.88	8.81	61.7	145	69	214	18360	0.5426
Mink	60	38.7	6/3.66	1/3.66	10.98	63.13	10.52	73.65	173	82	255	21800	0.4545
Skunk	60	38.7	12/2.59	7/2.59	12.95	63.22	36.88	100.1	175	290	465	52920	0.4568
Beaver	70	45.2	6/3.99	1/3.99	11.97	75.02	12.5	87.52	205	97	302	25750	0.3825
Horse	70	45.2	12/2.79	7/2.79	13.95	73.36	42.8	116.16	203	335	538	61200	0.3936
Raccoon	75	48.4	6/4.10	1/4.10	12.3	79.21	13.2	92.41	217	103	320	27200	0.3623
Otter	80	51.6	6/4.22	1/4.22	12.66	83.92	13.99	97.91	230	109	339	28820	0.3419
Cat	90	58.1	6/4.50	1/4.50	13.5	95.43	15.9	111.3	262	124	386	32660	0.3006
Hare	100	64.5	6/4.72	1/4.72	14.16	105	17.5	120.5	288	137	425	35950	0.2733
Dog	100	64.5	6/4.72	7/1.57	14.15	105	13.55	118.6	288	106	394	32700	0.2733
Hyena	100	64.5	7/4.39	7/1.93	14.57	106	20.48	126.5	290	160	450	41020	0.2702
Leopard	125	80.7	6/5.28	7/1.75	15.81	131.7	16.84	148.5	360	132	492	40760	0.2185
Coyote	125	80.7	26/2.52	7/1.91	15.89	131.7	20.06	151.8	365	157	522	46400	0.2191
Cougar	125	80.7	18/3.05	1/3.05	15.25	131.5	7.31	138.8	362	57	419	30030	0.219
Tiger	125	80.7	30/2.36	7/2.36	16.52	131.2	30.62	161.8	362	240	602	5830	0.2202
Wolf	150	96.8	30/2.59	7/2.59	18.13	158.1	36.68	194.9	437	289	726	69240	0.1828
Dingo	150	97.9	18/3.35	1/3.35	16.75	158.7	8.81	167.5	437	69	506	35720	0.1815
Lynx	175	113	30/2.79	7/2.79	19.53	183.4	42.79	226.2	507	335	842	79790	0.1576
Caracal	175	113.7	18/3.61	1/3.61	18.05	184.2	10.24	194.5	507	81	587	41100	0.1563
Panther	200	129	30/3.00	7/3.00	21	212.1	49.48	261.6	586	388	974	92250	0.1363
Jaguar	200	130	18/3.86	1/3.86	19.3	210.6	11.7	222.3	580	91	671	46600	0.1367
Lion	225	145	30/3.18	7/3.18	22.26	238.3	55.6	293.9	659	436	1095	100500	0.1212
Bear	250	161	30/3.35	7/3.35	23.45	264.4	61.7	326.1	730	483	1213	111120	0.1093

Goat	300	194	30/3.71	7/3.71	25.97	324.3	75.67	400	896	593	1489	135800	0.0891
Sheep	350	226	30/3.99	7/3.99	27.93	375.1	87.53	462.6	1034	684	1718	156300	0.07703
Antelope	350	226	54/2.97	7/2.97	26.73	374.1	48.49	422.6	1032	379	1411	118500	0.07726
Bison	350	226	54/3.00	7/3.00	27	381.17	49.48	431.2	1056	388	1444	120900	0.07573
Deer	400	258	30/4.27	7/4.27	29.89	429.6	100.2	529.8	1186	785	1971	178500	0.06726
Zebra	400	258	54/3.18	7/3.18	28.62	428.9	55.6	484.5	1186	435	1621	131900	0.0674
Elk	450	290	30/4.50	7/4.50	31.5	477.1	111.3	588.4	1318	872	2190	198300	0.06056
Camel	450	290	54/3.35	7/3.35	30.15	475.9	61.7	537.6	1314	483	1797	145900	0.06073
Moose	500	323	54/3.53	7/3.53	31.77	528.5	68.51	597	1462	537	1999	161000	0.0547