

Aluminium Conductor Steel Reinforced (ACSR) BS 215

Product code	Stranding wire and diameter			Corss-sectional area			Approx. weight			Rated strength kN	Max. D.C. resistance of conductor @20°C Ω / km
	Aluminium	Steel	Overall	Aluminium	Steel	Total	Aluminium	Steel	Total		
	mm	mm	mm	mm ²	mm ²	mm ²	kg/km	kg/km	kg/km		
MOLE	6/1.50	1/1.50	4.5	10.6	1.8	12.4	28	14	42	4.1	2.7060
SQUIRREL	6/2.11	1/2.11	6.3	21.0	3.5	24.5	57	26	83	7.9	1.3700
GOPHER	6/2.36	1/2.36	7.1	26.3	4.4	30.6	71	33	104	9.6	1.0930
WEASEL	6/2.59	1/2.59	7.8	31.6	5.3	36.9	85	40	125	11.4	0.9077
FOX	6/2.79	1/2.79	8.4	36.7	6.1	42.8	99	47	146	13.2	0.7822
FERRET	6/3.00	1/3.00	9.0	42.4	7.1	49.5	115	54	169	15.2	0.6766
RABBIT	6/3.35	1/3.35	10.1	52.9	8.8	61.7	142	68	210	18.4	0.5426
MINK	6/3.66	1/3.66	11.0	63.1	10.5	73.7	170	80	250	21.9	0.4545
SKUNK	12/2.59	7/2.59	13.0	63.2	36.9	100.1	172	284	456	52.9	0.4568
BEAVER	6/3.99	1/3.99	12.0	75.0	12.5	87.5	201	95	296	25.8	0.3825
HORSE	12/2.79	7/2.79	14.0	73.4	42.8	116.2	199	328	527	61.2	0.3936
RACCOON	6/4.10	1/4.10	12.3	79.2	13.2	92.4	213	101	314	27.2	0.3623
OTTER	6/4.22	1/4.22	12.7	83.9	14.0	97.9	225	107	332	28.8	0.3419
CAT	6/4.50	1/4.50	13.5	95.4	15.9	111.3	257	122	378	32.7	0.3006
HARE	6/4.72	1/4.72	14.2	105.0	17.5	122.5	282	134	417	35.9	0.2733
DOG	6/4.72	7/1.57	14.2	105.0	13.6	118.6	282	104	386	32.7	0.2733
HYENA	7/4.39	7/1.93	14.6	106.0	20.5	126.5	284	157	441	41.0	0.2702
LEOPARD	6/5.28	7/1.75	15.8	131.4	16.8	148.5	353	129	482	40.8	0.2185
COYOTE	26/2.54	7/1.91	15.9	131.7	20.1	151.8	358	154	512	46.3	0.2191
COUGAR	18/3.05	1/3.05	15.3	131.5	7.3	138.8	355	56	411	30.1	0.2190
TIGER	30/2.36	7/2.36	16.5	131.2	30.6	161.8	355	235	590	58.0	0.2202
WOLF	30/2.59	7/2.59	18.1	158.1	36.9	194.9	428	283	711	69.2	0.1828
DINGO	18/3.35	1/3.35	16.8	158.7	8.8	167.5	428	68	496	35.7	0.1815
LYNX	30/2.79	7/2.79	19.5	183.4	42.8	226.2	497	328	825	79.8	0.1576
CARACAL	18/3.61	1/3.61	18.1	184.2	10.2	194.5	497	79	575	41.1	0.1563
PANTHER	30/3.00	7/3.00	21.0	212.1	49.5	261.6	574	380	955	92.3	0.1363
LION	30/3.18	7/3.18	22.3	238.3	55.6	293.9	646	427	1073	100.5	0.1212

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	Aluminium	Steel	Overall	Aluminium	Steel	Total	Aluminium	Steel	Total		
	mm	mm	mm	mm ²	mm ²	mm ²	kg/km	kg/km	kg/km	kN	Ω / km
BEAR	30/3.35	7/3.35	23.5	264.4	61.7	326.1	715	473	1189	111.2	0.1093
GOAT	30/3.71	7/3.71	26.0	324.3	75.7	400.0	878	581	1459	135.8	0.0891
SHEEP	30/3.99	7/3.99	27.9	375.1	87.5	462.6	1013	670	1684	156.3	0.0770
ANTELOPE	54/2.97	7/2.97	26.7	374.1	48.5	422.6	1011	371	1383	118.5	0.0773
BISON	54/3.00	7/3.00	27.0	381.7	49.5	431.2	1035	380	1415	120.9	0.0757
JAGUAR	18/3.86	1/3.86	19.3	210.6	11.7	222.3	568	89	658	46.6	0.1367
DEER	30/4.27	7/4.27	29.9	429.6	100.2	529.8	1162	769	1932	178.5	0.0673
ZEBRA	54/3.18	7/3.18	28.6	428.9	55.6	484.5	1162	426	1589	131.9	0.0674
ELK	30/4.50	7/4.50	31.5	477.1	111.3	588.4	1410	855	2146	198.3	0.0606
CAMEL	54/3.35	7/3.35	30.2	475.9	61.7	537.6	1269	473	1761	145.9	0.0607
MOOSE	54/3.53	7/3.53	31.8	528.5	68.5	597.0	1433	526	1959	161.0	0.0547

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Aluminium Conductor Steel Reinforced (ACSR) ASTM

Product code	Corss-sectional area			Stranding wire and diameter			Approx. weight			Rated strength	Max. D.C. resistance of conductor @20°C	
	Aluminium		Steel	Total	Aluminium	Steel	Overall	Aluminium	Steel			Total
	AWG or MCM	mm ²	mm ²	mm ²	mm	mm	mm	kg/km	kg/km	kg/km	kN	Ω / km
TURKEY	6	13.3	2.2	15.5	6/1.68	1/1.68	5.04	36	17	52	5.28	2.1499
THRUSH	5	16.8	2.8	19.6	6/1.89	1/1.89	5.67	45	22	67	6.68	1.6987
SWAN	4	21.2	3.5	24.7	6/2.12	1/2.12	6.36	57	26	83	8.30	1.3501
SWANATE	4	21.1	5.4	26.5	7/1.96	1/2.61	6.53	57	41	98	10.68	1.3539
SWALLOW	3	26.7	4.5	31.1	6/2.38	1/2.38	7.14	72	34	106	10.21	1.0712
SPARROW	2	33.6	5.6	39.2	6/2.67	1/2.67	8.01	90	43	133	12.69	0.8512
SPARATE	2	33.5	8.6	42.1	7/2.47	1/3.30	8.24	90	66	156	16.14	0.8525
ROBIN	1	42.4	7.1	49.5	6/3.00	1/3.00	9	114	54	168	15.81	0.6742
RAVEN	1/0	53.5	8.9	62.4	6/3.37	1/3.37	10.11	144	68	212	19.35	0.5343
QUAIL	2/0	67.3	11.2	78.6	6/3.78	1/3.78	11.34	181	85	267	23.27	0.4247
PIGEON	3/0	85.1	14.2	99.3	6/4.25	1/4.25	12.75	229	108	337	29.42	0.3359
PENGUIN	4/0	107.2	17.9	125.1	6/4.77	1/4.77	14.31	288	136	424	36.54	0.2667
WAXWING	266.8	135.0	7.5	142.5	18/3.09	1/3.09	15.45	365	58	422	30.27	0.2118
OWL	266.8	135.4	17.6	153.0	6/5.36	7/1.79	16.09	364	135	499	42.95	0.2112
PARTRIDGE	266.8	134.9	22.0	156.9	26/2.57	7/2.00	16.28	366	169	534	50.23	0.2141
OSTRICH	300	152.2	24.7	176.9	26/2.73	7/2.12	17.28	414	189	603	56.55	0.1897
MERLIN	336.4	170.2	9.5	179.7	18/3.47	1/3.47	17.35	460	73	532	38.17	0.1688
LINNET	336.4	170.6	27.8	198.4	26/2.89	7/2.25	18.31	464	213	676	62.76	0.1693
ORIOLE	336.4	170.5	39.8	210.3	30/2.69	7/2.69	18.83	465	305	769	77.43	0.1698
CHICKADEE	397.7	200.9	11.2	212.1	18/3.77	1/3.77	18.85	544	85	629	43.37	0.1430
BRANT	397.5	201.6	26.1	227.7	24/3.27	7/2.18	19.62	547	200	747	64.72	0.1433
IBIS	397.5	201.3	32.7	234.0	26/3.14	7/2.44	19.88	547	251	798	72.05	0.1434
LARK	397.5	200.9	46.9	247.8	30/2.92	7/2.92	20.44	547	360	907	90.30	0.1441
PELICAN	477	242.3	13.5	255.8	18/4.14	1/4.14	20.7	655	103	758	52.30	0.1186
FLICKER	477	241.6	31.4	273.0	24/3.58	7/2.39	21.49	656	240	896	76.78	0.1195

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	Aluminium		Steel	Total	Aluminium	Steel	Overall	Aluminium	Steel	Total		
	AWG or MCM	mm ²	mm ²	mm ²	mm	mm	mm	kg/km	kg/km	kg/km		
HAWK	477	241.6	39.5	281.1	26/3.44	7/2.68	21.8	656	300	956	86.73	0.1195
HEN	477	241.3	56.3	297.6	30/3.20	7/3.20	22.4	657	431	1088	105.16	0.1200
OSPREY	556.5	282.5	15.7	298.2	18/4.47	1/4.47	22.35	763	120	883	60.52	0.1017
PARAKEET	556.5	282.3	36.6	318.9	24/3.87	7/2.58	23.22	767	280	1048	88.29	0.1023
DOVE	556.5	282.6	45.9	328.5	26/3.72	7/2.89	23.55	767	352	1119	101.10	0.1022
EAGLE	556.5	282.1	65.8	347.9	30/3.46	7/3.46	24.21	768	505	1273	122.90	0.1026
PEACOCK	605	306.1	39.8	345.9	24/4.03	7/2.69	24.2	832	305	1137	95.86	0.0943
SQUAB	605	305.8	49.8	355.6	26/3.87	7/3.01	24.51	831	381	1212	109.60	0.0944
WOODDUC	605	307.1	71.7	378.8	30/3.61	7/3.61	25.25	836	549	1385	129.00	0.0943
TEAL	605	307.1	69.6	376.7	30/3.61	19/2.16	25.24	836	534	1370	136.10	0.0943
KINGBIRD	636	323.0	18.0	341.0	18/4.78	1/4.78	23.9	873	137	1010	69.72	0.0890
ROOK	636	323.1	41.9	365.0	24/4.14	7/2.76	24.84	878	320	1199	101.00	0.0894
GROSBEAK	636	321.8	52.5	374.3	26/3.97	7/3.09	25.15	874	402	1276	111.90	0.0897
SCOTER	636	322.6	75.3	397.9	30/3.70	7/3.70	25.9	879	576	1455	135.50	0.0897
EGRET	636	322.6	73.5	396.1	30/3.70	19/2.22	25.9	879	564	1444	140.60	0.0897
FLAMINGO	666.6	337.3	43.7	381.0	24/4.23	7/2.82	25.34	916	335	1251	105.50	0.0856
GANNET	666.6	338.3	54.9	393.2	26/4.07	7/3.16	25.76	919	420	1340	117.30	0.0854
CROW	715.5	361.6	46.9	408.5	54/2.92	7/2.92	26.28	983	359	1342	115.20	0.0799
STILT	715.5	363.3	46.9	410.2	24/4.39	7/2.92	26.32	987	359	1346	113.30	0.0795
STARLING	715.5	361.9	59.2	421.1	26/4.21	7/3.28	26.68	984	453	1437	125.90	0.0798
REDWING	715.5	362.1	82.4	444.5	30/3.92	19/2.35	27.43	986	632	1618	153.70	0.0800
TERN	795	403.8	27.8	431.6	45/3.38	7/2.25	27.03	1098	213	1310	97.47	0.0715
CONDOR	795	402.3	52.2	454.5	54/3.08	7/3.08	27.72	1094	399	1493	124.30	0.0718
CUCKOO	795	402.3	52.2	454.5	24/4.62	7/3.08	27.72	1094	399	1493	123.80	0.0718
DRAKE	795	402.6	65.4	468.0	26/4.44	7/3.45	28.11	1094	501	1594	139.70	0.0717
MALLARD	795	403.8	91.8	495.6	30/4.14	19/2.48	28.96	1100	704	1803	171.20	0.0717
CRANE	874.5	442.5	57.4	499.9	54/3.23	7/3.23	29.07	1197	439	1636	136.70	0.0649
RUDDY	900	455.5	31.7	487.2	45/3.59	7/2.40	28.74	1243	242	1485	109.40	0.0634

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	Aluminium		Steel	Total	Aluminium	Steel	Overall	Aluminium	Steel	Total		
	AWG or MCM	mm ²	mm ²	mm ²	mm	mm	mm	kg/km	kg/km	kg/km		
CANARY	900	456.3	59.2	515.5	54/3.28	7/3.28	29.52	1240	453	1692	141.00	0.0633
RAIL	954	483.8	33.5	517.3	45/3.70	7/2.47	29.61	1315	257	1572	116.10	0.0597
CARDINAL	954	484.5	62.8	547.3	54/3.38	7/3.38	30.42	1316	481	1797	149.70	0.0596
ORLAN	1033.5	523.9	36.3	560.2	45/3.85	7/2.57	30.81	1424	277	1701	123.30	0.0551
CURLEW	1033.5	525.5	68.1	593.6	54/3.52	7/3.52	31.68	1428	521	1949	162.40	0.0550
BLUEJAY	1113	565.5	38.9	604.4	45/4.00	7/2.66	31.98	1537	298	1835	132.70	0.0511
FINCH	1113	565.0	71.6	636.6	54/3.65	19/2.19	32.85	1543	549	2091	174.60	0.0514
BUNTING	1192.5	605.8	41.9	647.7	45/4.14	7/2.76	33.12	1646	320	1967	142.40	0.0477
GRACKLE	1192.5	602.8	76.9	679.7	54/3.77	19/2.27	33.97	1646	589	2235	184.20	0.0481
BITTERN	1272	644.4	44.7	689.1	45/4.27	7/2.85	34.17	1751	342	2093	151.40	0.0448
PHEASANT	1272	645.1	81.7	726.8	54/3.90	19/2.34	35.1	1761	627	2388	194.10	0.0450
DIPPER	1351.5	684.2	47.2	731.1	45/4.40	7/2.92	35.16	1859	359	2218	160.30	0.0422
MARTIN	1351.5	685.4	86.7	772.1	54/4.02	19/2.41	36.17	1872	664	2536	206.10	0.0423
BOBOLINK	1431	725.2	50.1	775.4	45/4.53	7/3.02	36.24	1971	384	2355	168.60	0.0398
PLOVER	1431	726.9	91.8	818.7	54/4.14	19/2.48	37.24	1985	705	2689	218.40	0.0399
NUTHATCH	1510.5	764.2	52.8	817.0	45/4.65	7/3.10	37.2	2077	405	2481	177.60	0.0378
PARROT	1510.5	766.1	97.0	863.1	54/4.25	19/2.55	38.25	2091	745	2836	230.50	0.0379
LAPWING	1590	804.1	55.6	859.8	45/4.77	7/3.18	38.16	2185	416	2601	186.90	0.0359
FALCON	1590	806.2	102.4	908.7	54/4.36	19/2.62	39.26	2201	786	2987	243.00	0.0360
CHUKER	1780	903.2	73.5	976.7	84/3.70	19/2.22	40.7	2466	564	3030	227.80	0.0321

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