

ACSR (Aluminum Conductor Steel Reinforced)

American Sizes ASTM B 231/B231M-99

Code Word	Stranding & Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
	mm	mm	mm	mm ²	mm ²	mm ²	Kg/km	kN	Ohm/km	A
Turkey	6/1.68	1/1.68	5.04	13.29	2.21	15.5	53.6	5.2	2.15700	105
Swan	6/2.12	1/2.12	6.36	21.16	3.55	24.71	85.3	8.3	1.35600	140
Swanate	7/1.96	1/2.61	6.53	21.16	5.35	26.51	99.6	10.5	1.35600	140
Sparrow	6/2.67	1/2.67	8.01	33.61	5.61	39.22	135.7	12.7	0.85300	184
Sparate	7/2.47	1/3.30	8.24	33.61	8.52	42.13	158.7	16.1	0.85300	184
Robin	6/3.00	1/3.00	9	42.39	7.1	49.49	171.1	15.8	0.67650	212
Raven	6/3.37	1/3.37	10.11	53.48	8.9	62.38	216.1	19.4	0.53640	242
Quail	6/3.78	1/3.78	11.34	67.42	11.23	78.65	272.0	23.6	0.42550	276
Pigeon	6/4.25	1/4.25	12.75	85.03	14.19	99.22	343.0	29.5	0.33730	315
Penguin	6/4.77	1/4.77	14.31	107.23	17.87	125.1	432.7	37.1	0.26760	357
Waxwing	18/3.09	1/3.09	15.45	135.16	7.48	142.64	430.2	30.6	0.21330	449
Partridge	26/2.57	7/2.00	16.28	135.16	22	157.16	545.9	50.3	0.21420	475
Ostrich	26/2.73	7/2.12	17.28	152	24.77	176.77	613.4	56.5	0.19060	492
Merlin	18/2.89	1/2.25	18.29	118	3.97	121.99	542.8	38.63	0.17188	519
Linnet	26/2.89	7/2.25	18.31	170.45	27.74	198.19	687.5	62.7	0.16990	529
Oriole	30/2.69	7/2.69	18.83	170.45	39.81	210.26	783.3	77.0	0.17040	535
Chickdee	18/3.77	1/3.77	18.85	201.42	11.16	212.58	641.3	44.2	0.14320	576
Brant	24/3.27	7/2.18	19.61	201.42	26.13	227.55	761.0	64.9	0.14380	584
Ibis	26/3.14	7/2.44	19.88	201.42	32.77	234.19	812.4	72.5	0.14380	587
Lark	30/2.92	7/2.92	20.44	201.42	46.97	248.39	925.2	90.3	0.14420	594
Pelican	18/4.14	1/4.14	20.7	241.68	13.42	255.1	769.7	52.5	0.11930	646
Flicker	24/3.58	7/2.39	21.49	241.68	31.29	272.97	913.5	76.1	0.11990	655
Hawk	26/3.44	7/2.68	21.8	241.68	39.35	281.03	975.1	86.7	0.11990	659
Hen	30/3.20	7/3.20	22.4	241.68	56.39	298.07	1110.3	105.9	0.12020	666
Osprey	18/4.47	1/4.47	22.35	282	15.68	297.68	897.7	60.9	0.10220	711
Parakeet	24/3.87	7/2.58	23.22	282	36.58	318.58	1065.6	88.1	0.10280	721
Dove	26/3.72	7/2.89	23.55	282	45.94	327.94	1138.6	100.5	0.10280	726
Eagle	30/3.46	7/3.46	24.21	282	65.81	347.81	1295.6	123.7	0.10300	734
Peacock	24/4.03	7/2.69	24.2	306.58	39.74	346.32	1158.9	95.6	0.09449	760
Squab	26/3.87	26/1.525	24.51	306.58	49.94	365.52	1237.0	106.8	0.09449	765
Wood Duc	30/3.61	7/3.61	25.25	306.58	71.55	378.13	1408.4	128.5	0.09473	774
Teal	30/3.61	19/2.16	25.24	306.58	69.87	376.45	1396.6	133.4	0.09475	773
Kingbird	18/4.78	1/4.78	23.88	322.39	17.74	340.13	1026.6	68.8	0.89420	773
Swift	36/3.38	1/3.37	23.62	322.2	8.9	331.14	956.6	61.38	0.89751	769
Rook	24/4.14	7/2.76	24.84	322.26	41.81	364.07	1217.6	101.0	0.08989	784
Grosbeak	26/3.97	7/3.09	25.15	300.26	52.52	374.78	1300.8	112.1	0.08989	789
Scoter	30/3.70	7/3.70	25.88	322.26	75.22	397.48	1480.7	134.8	0.09011	798
Egret	30/3.70	19/2.22	25.9	322.26	7.48	395.74	1469.0	140.1	0.09012	798
Flamingo	24/4.23	7/2.82	25.4	337.74	43.81	381.55	1276.6	105.4	0.08516	807
Gannet	26/4.07	7/3.16	28.3	337.81	55.03	392.84	1363.3	117.4	0.08576	812
Stilt	24/4.39	7/2.92	26.31	362.64	46.97	409.61	1370.4	113.4	0.07989	844
Starling	26/4.21	7/3.28	26.68	362.58	59.03	421.61	1463.7	126.3	0.07992	849
Redwing	30/3.92	19/2.35	27.43	362.58	82.64	445.22	1650.6	153.9	0.08009	859
Coot	36/3.77	1/3.77	26.39	401.9	11.2	413.1	1198	74.7	0.07397	884
Tern	45/3.38	7/2.25	27.03	402.84	27.87	430.71	1331.8	98.3	0.07192	887
Condor	54/3.08	7/3.08	27.72	402.84	52.19	455.03	1520.7	125.4	0.07192	889
Cuckoo	24/4.62	7/3.08	27.74	402.9	52.2	455.1	1522.2	124.1	0.07190	887
Drake	26/4.44	7/3.45	28.11	402.84	65.61	468.45	1626.4	140.1	0.07192	907
Mallard	30/4.14	19/2.48	28.96	402.84	91.87	494.71	1836.0	170.8	0.07208	918
Ruddy	45/3.59	7/2.40	28.73	455.81	31.54	487.35	1507.3	108.3	0.06356	958
Canary	54/3.28	7/3.28	29.52	456.06	59.1	515.16	1723.1	141.9	0.06352	961
Rail	45/3.70	7/2.47	29.61	483.42	33.42	516.84	1598.1	115.2	0.05994	993
Cardinal	54/3.38	7/3.38	30.42	483.42	62.62	546.07	1825.9	150.3	0.05994	996
Ortolan	45/3.85	7/2.57	30.81	523.68	36.19	559.87	1730.5	123.2	0.05531	1043
Curlew	54/3.52	7/3.52	31.68	523.68	67.87	591.55	1977.6	162.8	0.05531	1047
Bluejay	45/4.00	7/2.66	31.98	563.93	39.03	602.96	1866.0	132.6	0.05161	1092
Finch	54/3.65	19/2.19	32.85	563.93	71.48	635.41	2127.8	173.9	0.05161	1093
Bunting	45/4.14	7/2.76	33.12	604.26	41.55	645.81	1996.9	141.9	0.04820	1139
Grackle	54/3.77	19/2.27	33.97	604.26	76.52	680.78	2278.1	185.9	0.04820	1140
Bittern	45/4.27	7/2.85	34.17	644.1	44.52	688.62	2130.8	151.7	0.04518	1184
Pheasant	54/3.90	19/2.34	35.1	644.51	81.68	726.19	2431.4	193.9	0.04518	1187
Dipper	45/4.40	7/2.92	35.16	685.16	47.1	732.26	2263.0	161.0	0.04259	1229
Martin	54/4.02	19/2.41	36.17	684.84	86.71	771.55	2581.7	205.9	0.04259	1232
Bobolink	45/4.53	7/3.02	36.24	725.16	50.32	775.48	2397.2	170.8	0.04016	1272
Plover	54/4.14	19/2.48	37.24	725.16	91.81	816.97	2734.9	218.0	0.04016	1275
Nuthatch	45/4.65	7/3.10	37.2	765.16	52.9	818.06	2529.6	178.4	0.03802	1313



American Sizes ASTM B 232/B 232M-99

Code Word	Stranding & Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
	mm	mm		mm ²	mm ²	mm ²				
Parrot	54/4.25	19/2.55	38.25	765.16	97.16	62.32	2883.7	230.4	0.03802	1318
Lapwing	45/4.77	7/3.18	38.16	805.8	55.48	864.28	2663.5	187.3	0.03612	1354
Falcon	54/4.36	19/2.62	39.26	805.8	102.32	908.12	3038.5	242.9	0.03612	1359
Chucker	84/3.70	19/2.22	42.7	901.93	73.55	975.48	3083.1	228.2	0.03228	1453
Bluebird	84/4.07	19/2.44	44.76	1092.2895	88.80	1181.09	3736.1	268.7	0.02667	1623
Kiwi	72/4.41	7/2.94	44.1	1099.21	47.50	1146.70	3425.6	222.0	0.02667	1607

German Sizes DIN EN 50182(OLD STAND DIN 48 204-APR 1984)

New Code	Old Code	Stranding & Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		Aluminium	Steel		Aluminium	Steel	Total				
		mm	mm		mm ²	mm ²	mm ²				
15-AL1/3-ST1A	16/2.5	6/1.80	1/1.80	5.4	15.3	2.5	17.9	62	5.81	1.8793	105
24-AL1/4-ST1A	25/4	6/2.25	1/2.25	6.8	23.8	4	27.8	96	9.02	1.2028	140
34-AL1/6-ST1A	35/6	6/2.70	1/2.70	8.1	34.3	5.7	40	139	12.70	0.8353	170
44-AL1/32-ST1A	44/32	14/2.00	7/2.40	11.2	44	31.7	75.7	369	45.46	0.6573	-
48-AL1/8-ST1A	50/8	6/3.20	1/3.20	9.6	48.3	8	56.3	195	17.18	0.5946	210
51-AL1/30-ST1A	50/30	12/2.33	7/2.33	11.7	51.2	29.8	81	375	44.28	0.5644	-
70-AL1/11-ST1A	70/12	26/1.85	7/1.44	11.7	69.9	11.4	81.3	282	26.31	0.4130	290
94-AL1/15-ST1A	95/15	26/2.15	7/1.67	13.6	94.4	15.3	110	381	35.17	0.3058	350
97-AL1/56-ST1A	95/55	12/3.20	7/3.20	16	96.5	56.3	153	707	80.20	0.2992	-
106-AL1/76-ST1A	105/75	14/3.10	19/2.25	17.5	105.7	75.5	182	885	106.69	0.2736	-
122-AL1/20-ST1A	120/20	26/2.44	7/1.90	15.5	121.6	19.8	141	491	44.94	0.2374	410
122-AL1/71-ST1A	120/70	12/3.60	7/3.60	18	122	71.3	193	895	98.16	0.2364	-
128-AL1/30-ST1A	125/30	30/2.33	7/2.33	16.1	127.9	29.8	158	587	57.86	0.2259	425
149-AL1/24-ST1A	150/25	26/2.70	7/2.10	17.1	148.9	24.2	173	601	54.37	0.1939	470
172-AL1/40-ST1A	170/40	30/2.70	7/2.70	18.9	171.8	40.1	212	788	77.01	0.1682	520
184-AL1/30-ST1A	185/30	26/3.00	7/2.33	19	183.8	29.8	214	741	66.28	0.1571	535
209-AL1/34-ST1A	210/35	26/3.20	7/2.49	20.3	209.1	34.1	243	844	74.94	0.1380	590
212-AL1/49-ST1A	210/50	30/3.00	7/3.00	21.3	212.1	49.5	262	973	92.25	0.1363	610
231-AL1/30-ST1A	230/30	24/3.50	7/2.33	21	230.9	29.8	261	871	73.09	0.1249	630
243-AL1/39-ST1A	240/40	26/3.45	7/2.68	21.9	243	39.5	283	980	86.46	0.1188	645
264-AL1/34-ST1A	265/35	24/3.74	7/2.49	22.4	263.7	34.1	298	994	82.94	0.1094	680
304-AL1/47-ST1A	300/50	26/3.86	7/3.00	24.5	304.3	49.5	354	1227	105.09	0.0949	740
305-AL1/39-ST1A	305/40	54/2.68	7/2.68	24.1	304.6	39.5	344	1151	99.30	0.0949	740
339-AL1/30-ST1A	340/30	48/3.00	7/2.33	25	339.3	29.8	369	1171	92.56	0.0851	790
382-AL1/49-ST1A	380/50	54/3.00	7/3.00	27	382	49.5	432	1443	120.91	0.0757	840
386-AL1/34-ST1A	385/35	48/3.20	7/2.49	26.7	386	34.1	420	1334	104.31	0.0748	850
434-AL1/56-ST1A	435/55	54/3.20	7/3.20	28.8	434.3	56.3	491	1641	136.27	0.0666	900
449-AL1/39-ST1A	450/40	48/3.45	7/2.68	28.7	448.7	39.5	488	1549	120.19	0.0644	920
490-AL1/64-ST1A	490/65	54/3.40	7/3.40	30.6	490.3	63.6	554	1853	152.85	0.0590	960
494-AL1/34-ST1A	495/35	45/3.74	7/2.49	29.9	494.4	34.1	528.4	1632	117.96	0.0584	985
511-AL1/45-ST1A	510/45	48/3.68	7/2.87	30.7	511.15	45.3	555.8	1765	133.31	0.0566	995
550-AL1/71-ST1A	550/70	54/3.60	7/3.60	32.4	550	71.3	621	2077	166.32	0.0526	1020
562-AL1/49-ST1A	560/50	48/3.68	7/3.00	32.2	561.7	49.5	611	1940	146.28	0.0514	1040
571-AL1/39-ST1A	570/40	45/4.02	7/2.68	32.2	571.2	39.5	610.6	1887	136.4	0.0506	1050
653-AL1/45-ST1A	650/45	45/4.30	7/2.87	34.4	653.5	45.3	698.8	2160	156.18	0.0442	1120
679-AL1/86-ST1A	680/85	54/4.00	19/2.40	36	678.8	86	765	2550	206.56	0.0426	1120
1046-AL1/45-ST1A	1045/45	72/4.30	7/2.87	43	1045.6	45.3	1010	3248	218.92	0.0277	1580



Canadian Sizes CSA C 49-1965

Code Word	Stranding & Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
	mm	mm		mm ²	mm ²	mm ²				
Wren	6/1.33	1/1.33	3.99	8.39	1.42	9.81	34	3.3	3.4226	63
Warbler	6/1.50	1/1.50	4.5	10.59	1.34	11.93	43	4.2	2.7139	67
Turkey	6/1.68	1/1.68	5.04	13.29	2.19	15.48	54	5.2	2.1535	86
Thrush	6/1.89	1/1.89	5.67	16.77	2.77	19.54	68	6.5	1.7077	93
Swan	6/2.12	1/2.12	6.36	21.16	3.55	24.71	85	8.2	1.3537	109
Swallow	6/2.38	1/2.38	7.14	26.65	4.45	21.09	108	10.0	1.0738	126
Sparrow	6/2.67	1/2.67	8.01	33.61	5.61	39.22	136	12.4	0.8504	140
Robin	6/3.00	1/3.00	9	42.39	7.1	49.49	171	15.5	0.6752	162
Raven	6/3.37	1/3.37	10.11	53.48	8.9	62.38	215	19.0	0.5351	186
Quail	6/3.78	1/3.78	11.34	67.42	11.23	78.65	273	10.8	0.4245	211
Pigeon	6/4.25	1/4.25	12.75	85.03	14.19	99.22	343	29.7	0.3366	241
Penguin	6/4.77	1/4.77	14.31	107.23	17.87	125.1	433	37.5	0.2671	276
Owl	6/5.36	7/1.74	16.09	135.16	17.55	152.7	508	42.5	0.2119	322
Waxwing	18/3.09	1/3.09	15.15	135.16	7.48	142.6	430	31.5	0.2126	319
Partridge	26/2.57	7/2.00	16.28	135.16	22	157.2	545	50.01	0.2136	321
Phoebe	18/3.28	1/3.28	16.4	152	8.45	160.5	483	35.5	0.1893	341
Ostrich	26/2.73	7/2.12	17.28	152	24.71	176.7	613	56.2	0.19	343
Piper	30/2.54	7/2.54	17.78	152	35.48	187.5	697	68.6	0.1903	348
Merlin	18/3.47	1/3.47	17.35	170.45	9.48	179.9	543	39.8	0.1686	364
Linnet	26/2.89	7/2.25	18.31	170.45	27.81	198.3	687	62.5	0.1696	368
Oriole	30/2.69	7/2.69	18.83	170.45	39.81	210.3	783	75.8	0.1696	370
Chickadee	18/3.77	1/3.77	18.85	201.42	11.16	212.6	641	46.3	0.143	402
Ibis	26/3.44	7/2.44	19.88	201.42	32.77	234.2	813	72.0	0.1434	404
Lark	30/2.92	7/2.92	20.44	201.42	46.97	248.4	923	88.8	0.1437	410
Pelican	18/4.14	1/4.14	20.7	241.68	13.42	255.1	769	54.8	0.1191	449
-	22/3.74	7/2.08	21.2	241.68	23.74	265.4	853	68.3	0.1194	452
Hawk	26/3.44	7/2.67	21.77	241.68	39.42	281.1	975	86.5	0.1194	450
Hen	30/3.20	7/3.20	22.4	241.68	56.39	298.1	1108	103.9	0.1198	453
Heron	30/3.28	7/3.28	22.96	253.35	59.1	312.5	1162	108.8	0.1142	469
-	22/4.04	7/2.24	22.88	282	27.68	309.7	993	79.1	0.1024	496
Dove	26/3.72	7/2.89	23.55	282	45.94	327.9	1137	99.9	0.1024	495
Eagle	30/3.46	7/3.46	24.22	282	65.81	347.8	1293	121.2	0.1027	497
-	22/4.21	7/2.34	23.86	306.58	30.07	336.7	1080	84.9	0.0942	519
Duck	54/2.69	7/2.69	24.21	306.58	39.81	346.4	1159	100.1	0.0945	520
-	22/4.32	7/2.40	24.48	322.26	31.61	353.9	1135	84.8	0.0896	532
Grosbeak	26/3.97	7/3.09	25.15	322.26	52.45	374.7	1299	111.2	0.0896	530
Egret	30/3.70	19/2.22	25.9	322.26	73.55	395.8	1467	140.6	0.0896	542
Goose	54/2.76	7/2.76	24.84	322.26	41.74	364	1217	105.2	0.0899	534
-	42/3.20	7/1.78	24.54	337.74	17.35	355.1	1068	78.6	0.0856	546
Gull	54/2.82	7/2.82	25.38	337.74	43.81	381.6	1277	109.2	0.0856	553
Starling	26/4.21	7/3.28	26.68	362.58	59.03	421.6	1462	125.0	0.0797	575
Redwing	30/3.92	19/2.35	27.43	362.58	82.58	445.2	1648	153.9	0.0797	581
-	42/3.31	7/1.84	25.38	362.58	18.65	381.2	1148	84.3	0.0797	573
Crow	54/2.92	7/2.92	26.28	362.58	46.97	409.6	1369	117.2	0.0797	577
Drake	26/4.44	7/3.45	28.11	402.84	65.61	468.5	1624	139	0.0715	611
Mallard	30/4.14	19/2.48	28.96	402.8	91.84	494.7	1832	171.0	0.0719	618
-	42/3.50	7/1.94	26.82	402.8	20.71	423.6	1274	93.6	0.0719	610
Condore	54/3.08	7/3.08	27.72	402.8	52.19	455	1521	127.0	0.0719	615
-	42/3.67	7/2.04	27.14	443.1	22.84	465.9	1402	102	0.0653	645
Crane	54/3.23	7/3.23	29.07	443.1	57.48	500.7	1674	133	0.0653	649
-	42/3.72	7/2.07	28.53	456.1	23.42	479.5	1442	105	0.0633	655
Canary	54/3.28	7/3.28	29.52	456.1	59.1	515.2	1724	144	0.0633	660
-	42/3.38	7/2.13	29.87	483.4	24.84	508.3	1528	109.0	0.0597	678



Canadian Sizes CSA C 49-1965

Code Word	Stranding & Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminium	Steel		Aluminium	Steel	Total				
	mm	mm		mm ²	mm ²	mm ²				
Cardinal	54/3.38	7/3.38	30.42	483.4	62.65	546.1	1826	152	0.0597	682
-	42/3.99	7/2.21	30.57	523.7	26.97	550.7	1657	118	0.0551	710
Curlew	54/3.51	7/3.51	31.59	523.7	67.87	591.6	1978	165	0.0551	715
-	42/4.41	7/2.30	31.74	563.9	28.97	592.9	1783	126	0.0512	741
Finch	54/3.65	19/2.19	32.85	563.9	71.55	636.8	2121	179	0.0512	746
-	42/4.28	7/2.38	32.82	604.3	31.1	635.4	1911	135	0.0479	772
Grackle	54/3.77	19/2.27	33.97	604.26	76.58	680.8	2271	192	0.0479	776
-	42/4.42	7/2.46	33.9	644.51	33.16	677.7	2039	144	0.0449	800
Pheasant	54/3.90	19/2.34	35.1	644.51	81.68	726.2	2421	199	0.0449	805
-	42/4.56	7/2.53	34.95	684.84	35.23	720.1	2166	153	0.0423	829
Martin	54/4.02	19/2.41	36.17	684.84	86.71	771.6	2573	212	0.0423	835
-	42/4.69	7/2.61	35.97	725.1	37.35	762.5	2294	162	0.0397	858
Plover	54/4.14	19/2.48	37.24	725.1	91.87	817	2725	224	0.04	862
-	42/4.82	7/2.67	36.93	765.35	39.35	804.7	2420	171	0.0377	885
Parrot	54/4.25	19/2.55	38.25	765.4	96.84	862.2	2877	237	0.0377	890
-	48/4.36	7/3.60	38.58	805.7	71.1	876.2	2779	212	0.0358	929
Falcon	54/4.36	19/2.62	39.26	805.7	102.1	907.8	3028	250	0.0358	917
-	72/3.77	7/2.52	37.72	805.7	34.84	840.5	2498	176	0.0358	910
Bantam	3/1.68	4/1.68	5.04	6.65	8.84	15.49	87.80	11.7	4.3218	61
Magpie	3/2.12	4/2.12	6.36	10.58	14.13	24.71	139.70	18.6	2.7077	77
Shrike	3/2.67	4/2.67	8.01	10.84	22.45	39.29	222.60	28.6	1.7054	99
Snipe	3/3.37	4/3.37	10.11	26.17	35.68	62.45	354.10	43.9	1.0718	132
Loon	3/3.78	4/3.78	11.34	33.68	44.97	78.65	445.80	55.3	0.8514	149
Grouse	8/2.54	1/4.24	9.32	40.52	14.13	54.65	221.20	23.1	0.7077	157
Petrel	12/2.34	7/2.34	11.7	51.61	30.01	81.67	376.90	43.8	0.5591	193
Minorca	12/2.44	7/2.44	12.2	56.13	32.77	88.9	311.30	47.7	0.5134	198
Leghorn	12/2.69	7/2.69	13.45	68.19	39.81	108	498.50	57.5	0.4226	221
Guinea	12/2.92	7/2.92	14.6	80.68	46.97	127.6	587.80	67.6	0.3579	244
Dotterell	12/3.08	7/3.08	15.4	89.48	52.19	191.7	654.80	73.0	0.3215	260
Dorking	12/3.20	7/3.20	16	96.71	56.39	153.1	706.90	78.9	0.2982	271
Brahma	16/2.86	19/2.48	18.12	102.97	91.87	194.8	1004.9	122.5	0.2815	287
Auk	8/4.05	7/2.25	14.83	102.84	92.32	195.2	500.00	49.6	0.2789	276
Cochin	12/3.37	7/3.37	16.85	107.1	62.45	169.6	782.8	87.4	0.2694	288

French Sizes EN 50182(OLD STANDARD NFC 34-120:1976)

Code Word	Old Code	Stranding & Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Out Layer Direction
		Aluminium	Steel		Aluminium	Steel	Total				
		mm	mm		mm ²	mm ²	mm ²				
28-AL1/9-ST1A	CANNA 37,7	9/2.00	3/2.00	8,30	28,3	9,42	37,7	152	16,26	1,018 7	s
38-AL1/22-ST1A	CANNA 59,7	12/2.00	7/2.00	10,0	37,7	22,0	59,7	276	32,70	0,766 0	s
48-AL1/28-ST1A	CANNA 75,5	12/2.25	7/2.25	11,3	47,7	27,8	75,5	350	41,15	0,605 2	s
59-AL1/34-ST1A	CANNA 93,3	12/2.50	7/2.50	12,5	58,9	34,4	93,3	431	49,48	0,490 2	s
94-AL1/22-ST1A	CANNA 116,2	30/2.00	7/2.00	14,0	94,2	22,0	116,2	433	43,17	0,306 7	s
119-AL1/28-ST1A	CANNA 147,1	30/2.25	7/2.25	15,8	119,3	27,8	147,1	547	54,03	0,242 3	s
147-AL1/34-ST1A	CANNA 1181,6	30/2.50	7/2.50	17,5	147,3	34,4	181,6	676	64,94	0,196 3	s
185-AL1/43-ST1A	CANNA 228	30/2.80	7/2.80	19,6	184,7	43,1	227,8	848	80,54	0,156 5	s
234-AL1/55-ST1A	CANNA 228	30/3.15	7/3.15	22,1	233,8	54,6	288,3	1073	98,58	0,123 6	s



British Sizes BS EN 50182(OLD STANDARD BS 215,Part2:1970)

Code Word	Old Code	Nominal Area mm ²	Stranding & Wire Diameter		Overall Diameter mm	Sectional Area			Approximate Weight Kg/km	Breaking Load kN	DC Resistance Ohm/km	Current Rating Capacity A
			Aluminium	Steel		Aluminium	Steel	Total				
			mm	mm		mm ²	mm ²	mm ²				
11-AL1/2-ST1A	Mole	-	6/1.50	1/1.50	4.50	10.6	1.77	12.4	42.8	4.17	2.7027	67
21-AL1/3-ST1A	Squirrel	-	6/2.11	1/2.11	6.33	21.0	3.50	24.5	84.7	7.87	1.3659	109
26-AL1/4-ST1A	Gopher	25	6/2.36	1/2.36	7.08	26.24	4.38	30.62	106	9.61	1.0930	126
32-AL1/5-ST1A	Weasel	30	6/2.59	1/2.59	7.77	31.61	5.27	36.88	128	11.45	0.9077	134
37-AL1/6-ST1A	Fox	-	6/2.79	1/2.79	8.37	36.7	6.11	42.8	148.1	13.21	0.7512	147
42-AL1/7-ST1A	Ferret	40	6/3.00	1/3.00	9.00	42.41	7.07	49.48	172	15.20	0.6766	161
53-AL1/9-ST1A	Rabbit	50	6/3.35	1/3.35	10.05	52.88	8.82	61.70	214	18.35	0.5426	185
63-AL1/11-ST1A	Mink	-	6/3.66	1/3.66	11.00	63.1	10.5	73.6	254.9	21.67	0.4540	174
63-AL1/37-ST1A	Skunk	-	12/2.59	7/2.59	13.00	63.2	36.90	100.1	463.0	52.79	0.4568	246
73-AL1/43-ST1A	Horse	70	12/2.79	7/2.79	13.95	73.37	42.93	116.2	538	61.20	0.3936	268
75-AL1/13-ST1A	Beaver	-	6/3.99	1/3.99	12.00	75.0	12.50	87.5	302.9	25.76	0.3820	193
79-AL1/13-ST1A	Raccoon	-	6/4.10	1/4.10	12.30	78.8	13.10	92.4	318.3	27.06	0.3635	231
84-AL1/14-ST1A	Otter	-	6/4.22	1/4.22	12.70	83.9	15.00	97.9	338.8	28.81	0.3415	240
95-AL1/16-ST1A	Cat	-	6/4.50	1/4.50	13.50	95.4	15.90	111.3	385.3	32.76	0.3003	248
105-AL1/17-ST1A	Hare	-	6/4.72	1/4.72	14.20	105.0	17.50	122.5	423.8	36.04	0.2730	273
105-AL1/14-ST1A	Dog	100	6/4.72	7/1.57	14.15	105.00	13.50	118.5	394	32.72	0.2733	278
131-AL1/7-ST1A	Tiger	-	30/2.36	7/2.36	16.50	131.0	30.60	161.8	602.2	57.87	0.2202	323
132-AL1/14-ST1A	Coyote	-	26/2.54	7/1.91	15.90	131.7	20.10	151.8	520.7	45.86	0.2192	311
132-AL1/20-ST1A	Cougar	-	18/3.05	1/3.05	15.30	131.5	7.31	138.8	418.8	29.74	0.2188	314
158-AL1/31-ST1A	Wolf	150	30/2.59	7/2.59	18.13	158.10	36.80	194.90	726	69.20	0.1828	355
159-AL1/37-ST1A	Dingo	150	18/3.35	1/3.35	16.75	158.70	8.80	167.50	506	35.40	0.1815	349
183-AL1/9-ST1A	Lynx	175	30/2.79	7/2.79	19.53	183.40	42.80	226.20	842	79.80	0.1576	386
184-AL1/2-ST1A	Caracal	175	18/3.61	1/3.61	18.05	184.30	10.20	194.50	587	41.10	0.1563	383
211-AL1/4-ST1A	Jaguar	200	18/3.86	1/3.86	19.30	210.60	11.70	222.30	671	46.55	0.1367	415
212-AL1/3-ST1A	Panther	200	30/3.00	7/3.00	21.00	212.10	49.20	261.50	974	92.25	0.1363	421
238-AL1/5-ST1A	Lion	-	30/3.18	7/3.18	22.30	238.3	55.60	293.9	1093.4	100.47	0.1213	448
264-AL1/6-ST1A	Bear	-	30/3.35	7/3.35	23.50	264.4	61.70	326.1	1213.4	111.50	0.1093	481
324-AL1/7-ST1A	Goat	-	30/3.71	7/3.71	26.00	324.6	75.70	400.0	1488.2	135.13	0.0891	542
374-AL1/11-ST1A	Antelope	-	54/2.97	7/2.97	26.70	374.1	48.50	422.6	1413.8	118.88	0.0773	588
375-AL1/9-ST1A	Sheep	-	30/3.99	7/3.99	27.90	375.1	87.50	462.6	1721.3	156.30	0.0771	592
382-AL1/37-ST1A	Bison	-	54/3.00	7/3.00	27.00	381.7	49.50	431.2	1442.5	121.30	0.0758	595
429-AL1/43-ST1A	Zebra	400	54/3.18	7/3.18	28.62	428.90	55.60	484.50	1621	131.90	0.0674	635
430-AL1/13-ST1A	Deer	-	30/4.27	7/4.27	29.90	429.6	100.20	529.8	1971.4	179.00	0.0673	639
477-AL1/13-ST1A	Elk	-	30/4.50	7/4.50	31.50	477.1	111.30	588.4	2189.5	198.80	0.0606	679
476-AL1/14-ST1A	Camel	-	54/3.35	7/3.35	30.20	476.0	61.70	537.7	1798.8	146.40	0.0608	677
528-AL1/16-ST1A	Moose	-	54/3.53	7/3.53	31.80	528.5	68.50	597.0	1997.3	159.92	0.0547	763



IEC Sizes IEC 61089:1997

Code Word	Stranding & Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance
	Aluminium	Steel		Aluminium	Steel	Total			
	mm	mm		mm ²	mm ²	mm ²			
16	6/1.81	1/1.81	5.43	15	2.56	17.9	59.0	May-91	17,923
25	6/2.26	1/2.26	6.78	24	4.00	28	92.1	9.00	11,471
40	6/2.85	1/2.85	8.55	38	6.40	44.8	147.4	14.21	0.7169
63	6/3.58	1/3.58	10.7	60	10.08	70.6	232.2	21.17	0.4552
100	6/4.51	1/4.51	13.5	96	16.00	112	368.6	21.84	0.2868
125	18/2.95	1/2.95	14.8	123	6.85	130	384.3	29.18	0.2304
125	26/2.43	7/1.89	15.4	120	19.6	140	460.8	44.49	0.2308
160	18/3.34	1/3.34	16.7	158	8.77	167	491.9	3,638	0.1800
160	26/2.74	7/2.13	17.4	154	25.0	179	589.9	56.18	0.1803
200	18/3.74	1/3.74	18.7	197	10.96	208	614.9	43.62	0.1440
200	26/3.07	7/2.39	19.4	192	31.3	223	737.2	69.27	0.1443
250	22/3.76	7/2.09	21.3	244	24.0	268	830.9	67.80	0.1153
250	26/3.43	7/2.67	21.7	240	39.1	279	921.5	86.58	0.1154
315	45/2.96	7/1.97	23.7	310	21.4	331	996.4	78.33	0.0917
315	26/3.85	7/3.02	24.4	303	49.3	352	11,61.1	107.58	0.0916
400	45/3.34	7/2.22	26.7	393	27.2	420	1265.3	97.50	0.0722
400	54/3.02	7/3.02	27.2	387	50.2	438	1402.9	124.20	0.0723
450	45/3.54	7/2.36	28.3	442	30.6	473	1423.4	107.48	0.0642
450	54/3.21	7/3.21	28.9	436	56.5	492	1578.2	139.72	0.0642
500	45/3.73	7/2.49	29.8	492	34.0	525	1581.6	119.42	0.0578
500	54/3.38	7/3.38	30.4	484	62.8	547	1753.6	153.99	0.0578
560	45/3.95	7/2.63	31.6	550	38.1	589	1771.4	133.75	0.0516
560	54/3.58	19/2.15	32.2	543	68.8	612	1956.3	169.36	0.0516
630	45/4.19	7/2.79	33.5	619	42.8	662	1992.8	150.47	0.0458
630	54/3.79	19/2.28	34.2	611	77.3	688	2200.9	190.52	0.0459
710	45/4.44	7/2.96	35.6	698	48.3	746	2245.8	169.57	0.0407
710	54/4.03	19/2.42	36.3	688	87.2	775	2480.3	214.72	0.0407
800	72/3.74	7/2.49	37.4	791	34.2	826	2412.8	167.67	0.0361
800	84/3.45	7/3.45	37.9	784	65.3	849	2598.9	206.37	0.0362
800	54/4.28	19/2.57	38.5	775	98.2	874	2794.7	241.94	0.0361
900	72/3.97	7/2.65	39.7	890	38.5	929	2714.4	188.63	0.0321
900	84/3.66	7/3.66	40.2	882	73.5	955	2923.8	224.82	0.0321
1000	72/4.18	7/2.79	41.8	989	42.7	1032	3016.0	209.59	0.0289
1120	71/4.43	19/1.77	44.33	1108	46.8	1155	3372.6	233.48	0.0258
1120	84/4.08	19/2.45	46.8	1098	89.4	1187	3628.4	282.88	0.0258
1250	72/4.68	19/1.87	46.8	1237	52.5	1289	3764.1	260.58	0.0231
1250	84/4.31	19/2.59	47.4	1225	99.8	1325	4049.5	315.72	0.0231