ELAND® CABLES

AAC - ASTM - B
All Aluminium Conductor

Eland Product Group: **A4A**

APPLICATION

AAC conductor is also known as aluminium stranded conductor. It is manufactured from electrolytically refined aluminium, with a minimum purity of 99.7%. AAC is used mainly in urban areas where the spacing is short and the supports are close. All aluminium conductors are made up of one or more strands of aluminium wire depending on the end usage. AAC is also used extensively in coastal regions because it has a high degree of corrosion resistance.

CONSTRUCTION

Conductor

Hard drawn aluminium conductor as per EN 60889 Type AL1 according to BS 215

CABLE STANDARDS

ASTM - B 231 Metric Units, ASTM - B 231, TS IEC 1089, DIN 48201, BS 215, UNE 21.018

The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

DIMENSIONS

ASTM - B 231

CODE	SIZE AWG-MCM	STRANDING N2 X Ø mm	SECTION mm²	OVERALL DIAMETER mm	CABLE WEIGHT kg/km	RATED STRENGTH N	ELECTRICAL RESISTANCE			CURRENT CARRYING CAPACITY (1) A
							DC 20°C / km	AC CC 25°C / km	AC CC 25°C / km	
PEACHBELL	6	7 x 1.55	13.21	4.65	36.6	2.5	1.1702	2.2129	2.6499	110
ROSE	4	7 x 1.96	21.12	5.88	58.3	3.92	1.3638	1.3914	1.6663	145
IRIS	2	7 x 2.47	33.54	7.41	92.7	6.01	0.0857	0.855	1.0486	195
PANSY	1	7 x 2.78	42.49	8.34	116.8	7.3	0.6801	0.6942	0.831	225
POPPY	1/0	7 x 3.12	53.52	9.36	147.5	8.86	0.539	0.5499	0.6588	260
ASTER	2/0	7 x 3.5	67.34	10.5	185.9	11.17	0.4275	0.4374	0.5226	305
PHLOX	3/0	7 x 3.93	84.91	11.79	234.4	13.35	0.3392	0.3468	0.415	350
OXLIP	4/0	7 x 4.42	107.4	13.26	295.6	17.05	0.2689	0.2747	0.3288	410
SNEEZEWORTH	250	7 x 4.8	127.6	14.4	349.3	20.12	0.2273	0.2324	0.2784	455
VALERIAN	250	17 x 2.91	126.4	14.55	349.3	20.74	0.2273	0.2324	0.2784	455
DAISY	266.8	7 x 4.96	135.3	14.88	327.8	21.5	0.2133	0.2181	0.261	475
LAUREL	266.8	19 x 3.01	135.2	15.05	327.8	22.12	0.2133	0.2181	0.261	475
PEONY	300	19 x 3.19	151.9	15.95	419.1	24.38	0.1897	0.1945	0.2324	515
TULIP	336.4	19 x 3.38	170.5	16.9	470	27.37	0.1691	0.1734	0.2076	555
DAFFODIL	350	19 x 3.45	177.6	17.25	489	28.45	0.1626	0.1666	0.1995	565
CANNA	397.5	19 x 3.68	202.1	18.4	55.4	31.64	0.1431	0.1473	0.1659	615

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CODE	SIZE AWG-MCM	STRANDING N2 X Q mm	SECTION mm²	OVERALL DIAMETER mm	CABLE WEIGHT kg/km	RATED STRENGTH N	ELECTRICAL RESISTANCE			CURRENT CARRYING CAPACITY (1) Amps
							DC 20°C / km	AC		
								CC 25°C / km	CC 25°C / km	
GOLDENTUFT	450	19 x 3.91	228.1	19.55	682.6	35.11	0.1264	0.1299	0.156	665
COSMOS	477	19 x 4.02	241.2	20.1	666.4	37.2	0.1193	0.1224	0.1467	690
SYRINGA	477	37 x 2.88	241	20.16	666.4	38.67	0.1193	0.1224	0.1467	690
ZINNIA	500	19 x 4.12	253.3	20.6	698.6	38.98	0.1138	0.1168	0.1398	715
HYACINTH	500	37 x 2.95	252.9	20.65	698.6	40.54	0.1138	0.1168	0.1398	715
DAHLIA	556.5	19 x 4.35	282.4	21.75	777.4	43.39	0.1022	0.1089	0.1262	765
MISTLETOE	556.5	37 x 3.11	281.1	21.77	777.4	44.25	0.1022	0.1089	0.1262	765
MEADOWSWEET	600	37 x 3.23	303.2	22.61	838.1	47.62	0.09482	0.0982	0.01168	800
ORCHID	636	37 x 3.33	322.2	23.31	888.4	50.73	0.08947	0.09262	0.11063	835
HEUCHERA	650	37 x 3.37	330	23.59	908.1	51.84	0.08747	0.09098	0.10853	855
VERBANA	700	37 x 3.49	354	24.43	977.9	55.63	0.08123	0.08451	0.10069	880
FLAG	700	61 x 2.72	354.5	24.48	977.9	57.42	0.08123	0.08264	0.0982	900
VIOLET	715	37 x 3.53	362.1	24.71	999.6	56.96	0.07953	0.08264	0.0982	900
NASTURTIUM	715.5	61 x 2.75	362.35	24.73	999.6	58.3	0.07953	0.08264	0.0982	900
PETUNNIA	750	37 x 3.62	380.8	25.34	1047.7	58.3	0.07587	0.07894	0.09446	922
CATTAIL	750	61 x 2.82	381	25.38	1047.7	60.08	0.07585	0.07894	0.09446	922
ARBUTIUS	795	37 x 3.72	402.1	26.04	1110.6	61.86	0.07156	0.07457	0.08888	960
ULAC	795	61 x 2.9	402.9	26.1	1110.6	63.65	0.07156	0.07457	0.08888	960
FUCHSIA	800	37 x 3.75	408.7	26.25	1115.2	62.3	0.07116	0.07421	0.08825	960
HELIOTROPE	800	61 x 2.92	408.7	26.28	1115.2	64.08	0.07116	0.07421	0.08825	960
ANEMONE	874.5	37 x 3.91	444.3	27.37	1221.8	66.75	0.06506	0.06837	0.08081	1020
CROCUS	874.5	61 x 3.04	442.8	27.36	1221.8	70.31	0.06506	0.06837	0.08081	1020
COCKCOMB	900	37 x 3.96	455.7	27.72	1257.4	68.53	0.06332	0.0665	0.07894	1040
SNAPDRAGON	900	61 x 3.09	457.4	27.81	1257.4	70.76	0.06332	0.0665	0.07894	1040
MAGNOLIA	954	37 x 4.08	483.7	28.56	1332.8	75.215	0.05965	0.06276	0.07457	1080
GOLDENROD	954	61 x 3.18	484.5	28.62	1332.8	75.215	0.05965	0.06276	0.07457	1080
HAWKWEED	1000	37 x 4.17	505.3	29.19	1397	76.54	0.05689	0.06004	0.07146	1110
CAMELLIA	1000	61 x 3.25	506	29.25	1397	78.77	0.05689	0.06004	0.07146	1110
BLUEBELL	1033.5	37 x 4.24	522.4	29.68	1443.8	78.77	0.05505	0.0583	0.06906	1135
LARKSPUR	1035.5	61 x 3.31	524.9	29.79	1443.8	81.45	0.05505	0.0583	0.06906	1135
MARIGOLD	1272	61 x 3.43	563.6	30.87	1555.2	87.67	0.05112	0.05456	0.06437	1190
HAWTHORN	1192.5	61 x 3.55	603.8	31.95	1665.3	93.9	0.0477	0.05121	0.06033	1240
NARCISSUS	1272	61 x 3.67	645.3	33.03	1776.9	97.9	0.04472	0.04816	0.05673	1290
COLIMBINE	1351.5	61 x 3.78	684.5	34.02	1888.5	104.13	0.04209	0.04560	0.05377	1340
CARNATION	1431	61 x 3.89	72	35.01	1998.6	108.14	0.03976	0.04344	0.05102	1390
GLADIOLUS	1510.5	61 x 4	766.5	36	2110.3	113.92	0.03766	0.04134	0.04852	1430
COREOPSIS	1590	61 x 4.1	805.4	36.9	2222	120.15	0.03579	0.0396	0.04636	1480
JESSANINE	1750	61 x 4.3	885.8	38.7	2445.1	132.17	0.03251	0.03642	0.04262	1565
COWSLIP	2000	91 x 3.76	1010.4	41.36	2793.3	152.19	0.02845	0.03281	0.03803	1695
SAGEBRUSH	2250	91 x 3.99	1137.8	43.89	3174.3	167.77	0.02829	0.02987	0.03449	1810
PIGWEED	2300	61 x 4.93	1164.4	44.37	3239.8	173.56	0.02473	0.02931	0.03386	1830
LUPINE	2500	91 x 4.21	1266.8	46.31	3527	186.46	0.02298	0.02791	0.03213	1920
BITTERROOT	2750	91 x 4.41	1390	48.51	3879.8	205.15	0.0207	0.02576	0.02937	2020
TRILLIUM	3000	127 x 3.9	1517	50.7	4232.4	223.84	0.01915	0.02461	0.02784	2120
BLUEBONNET	3500	127 x 4.22	1776.3	54.86	4985.4	261.22	0.01657	0.02231	0.02526	2295

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ASTM - B 231

CODE WORD	SIZE AWG or kcmil	STRANDING		DIAMETER (ins)		CROSS SECTIONAL AREA (sq ins)	WEIGHT PER 1000FT (lbs)	RATED STRENGTH (lbs)	RESISTANCE ohms/1000ft		ALLOWABLE AMPACITY Amps
		No of Wires	Class	Individual Wire	Complete Cable				DC at 20°C	DC at 75°C	
PEACHBELL	6	7	A	0.0612	0.184	0.0206	25	563	0.658	0.805	103
ROSE	4	7	A	0.0772	0.232	0.0328	39	881	0.414	0.506	138
IRIS	2	7	AA.A	0.0974	0.292	0.0521	62	1350	0.26	0.318	185
PANSY	1	7	AA.A	0.1093	0.328	0.0657	78	1640	0.207	0.252	214
POPPY	1/0	7	AA.A	0.1228	0.368	0.0829	99	1990	0.164	0.2	247
ASTER	2/0	7	AA.A	0.1379	0.414	0.1045	125	2510	0.13	0.159	286
PHOLOX	3/0	7	AA.A	0.1548	0.464	0.1318	157	3040	0.103	0.126	331
OXLIP	4/0	7	AA.A	0.1739	0.522	0.1662	198	6830	0.0817	0.0999	393
SNEEZEVVORT	250	7	A	0.189	0.567	0.1964	234	4520	0.0691	0.846	425
VALERIAN	250	19	A	0.1147	0.574	0.1964	234	4660	0.0691	0.0846	425
DAISY	266.8	7	AA	0.1953	0.586	0.2095	250	4830	0.0648	0.0793	443
LAUREL	266.8	19	A	0.1185	0.593	0.2095	250	4970	0.0648	0.0793	444
PEONY	300	19	A	0.1257	0.629	0.2356	281	5480	0.0576	0.0706	478
TULIP	336.4	19	A	0.1331	0.666	0.2642	316	6150	0.514	0.063	513
DAFFRODIL	350	19	A	0.1357	0.679	0.2749	328	6390	0.494	0.0605	526
CANNA	397.5	19	AA.A	0.1447	0.724	0.3122	373	7110	0.0435	0.0534	570
GOLDENTUFT	450	19	AA	0.1538	0.769	0.3534	422	7890	0.0384	0.0427	616
COSMOS	477	19	AA	0.1584	0.793	0.3746	447	8360	0.0362	0.0455	639
SYRINGA	477	37	A	0.1135	0.795	0.3746	447	8690	0.0362	0.0445	639
ZINNIA	500	19	AA	0.1622	0.811	0.3927	469	8760	0.0346	0.0425	658
HYACINTH	500	37	A	0.1162	0.813	0.3927	468	9110	0.0346	0.0425	958
DAHLIA	556.5	19	AA	0.1711	0.856	0.4371	521	9750	0.0311	0.0382	703
MISTLETOE	556.5	37	AA.A	0.1226	0.858	0.4372	521	9940	0.0311	0.0382	704
MEADOWSWEET	600	37	AA.A	0.1273	0.891	0.4712	562	10700	0.0288	0.0355	738
ORCHID	636	37	AA.A	0.1311	0.918	0.4995	596	11400	0.0272	0.0355	765
HEUCHERA	650	37	AA	0.1326	0.928	0.5105	610	11600	0.0266	0.0328	775
VERBENA	700	37	AA	0.1375	0.963	0.5498	656	12500	0.0247	0.0305	812
FLAG	700	61	A	0.1071	0.964	0.5499	656	12400	0.0247	0.0305	812
VIOLET	715.5	37	AA	0.1391	0.974	0.562	671	12800	0.0242	0.0299	823
NASTURTIUM	715.5	61	A	0.1083	0.975	0.5621	671	13100	0.0242	0.0299	823
PETUNNIA	750	37	AA	0.1424	0.997	0.5891	703	13100	0.023	0.0286	847
CATTAIL	750	61	A	0.1109	0.998	0.5891	703	13500	0.023	0.0286	847
ARBUTUS	795	37	AA	0.1466	1.026	0.6244	745	13900	0.0217	0.027	878
ULAC	795	61	A	0.1142	1.028	0.6244	746	14300	0.0217	0.027	879
COCKCOMB	900	37	AA	0.156	1.093	0.7069	844	15400	0.0192	0.0239	948
SNAPDRAGON	900	61	A	0.1215	1.094	0.7069	844	15900	0.0192	0.0239	948
MAGNOLIA	954	37	AA	0.1606	1.124	0.7493	895	16400	0.0181	0.0226	982
GOLDENROD	954	61	A	0.1251	1.126	0.7493	895	16900	0.0181	0.0226	983
HAWKWEED	1000	37	AA	0.1644	1.15	0.7854	937	17200	0.0173	0.0216	1010
CAMELIA	1000	61	A	0.128	1.152	0.7854	937	17700	0.0173	0.0216	1011
BLUEBELL	1033.5	37	AA	0.1671	1.17	0.8117	968	17700	0.0167	0.021	1031
LARKSPUR	1033.5	61	A	0.1302	1.172	0.8117	969	18300	0.0167	0.021	1032
MARIGOLD	1113	61	AA.A	0.1351	1.216	0.8742	1044	19700	0.0155	0.0195	1079
HAWTHORN	1192.5	61	AA.A	0.1398	1.258	0.9366	1117	21100	0.0145	0.0183	1124
NARCISSUS	1272	61	AA.A	0.1444	1.3	0.999	1192	22000	0.0136	0.0173	1169
COLUMBINE	1351.5	61	AA.A	0.1489	1.34	1.061	1266	23400	0.0128	0.0163	1212

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		No of Wires	Class	Individual Wire	Complete Cable				DC at 20°C	DC at 75°C	
CARNATION	1431	61	AA.A	0.1532	1.379	1.124	1342	24300	0.0121	0.0155	1253
GLADIOLUS	1510.5	61	AA.A	0.1574	1.417	1.186	1416	25600	0.0144	0.0147	1294
COREOPSIS	1590	61	AA	0.1614	1.454	1.249	1489	27000	0.0109	0.0141	1333
JESSAMINE	1750	61	AA	0.1694	1.525	1.374	1641	29700	0.0988	0.0129	1408
COWSLIP	2000	91	A	0.1482	1.63	1.571	1873	34200	0.00864	0.0115	1518
SAGEBRUSH	2250	91	A	0.1572	1.729	1.767	2128	37500	0.00776	0.0105	1612
LUPINE	2500	91	A	0.1657	1.823	1.964	2365	41900	0.00698	0.00969	1706
BITTERROOT	2750	91	A	0.1739	1.913	2.16	2602	46100	0.00635	0.009	1793
TRILLIUM	3000	127	A	0.1537	1.996	2.356	2687	50300	0.00582	0.00834	1874
BLUEBONNET	3500	127	A	0.166	2.158	2.749	3344	58700	0.00499	0.00756	2024

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SIZE AWG or kcmil	STRANDING		DIAMETER (ins)		CROSS SECTIONAL AREA (sq ins)	WEIGHT PER 1000FT (lbs)	RATED STRENGTH (lbs)	RESISTANCE ohms/1000ft		ALLOWABLE AMPACITY Amps
	No of Wires	Class	Individual wire	Complete cable				DC at 20°C	DC at 75°C	
6	7	B	0.0612	0.184	0.0206	25	583	0.658	0.805	103
4	7	B	0.0772	0.232	0.328	39	881	0.414	0.506	138
3	7	B	0.0867	0.26	0.0413	49	1090	0.328	0.401	160
2	7	B	0.0974	0.292	0.0521	62	1350	0.26	0.318	185
1	19	B	0.0664	0.332	0.0657	79	1740	0.207	0.252	214
1/0	19	B	0.0745	0.373	0.0829	99	2160	0.164	0.2	248
2/0	19	B	0.0837	0.419	0.1045	125	2670	0.13	0.159	287
3/0	19	B	0.094	0.47	0.1318	157	3310	0.103	0.126	332
4/0	19	B	0.1055	0.528	0.1662	198	4020	0.0817	0.0999	384
250	37	B	0.0822	0.575	0.1964	234	4910	0.0691	0.0846	426
300	37	B	0.09	0.63	0.2356	281	5890	0.0576	0.0706	478
350	37	B	0.0973	0.681	0.2749	328	6760	0.0494	0.0605	527
400	37	B	0.104	0.728	0.3142	375	7440	0.0432	0.053	573
450	37	B	0.1103	0.772	0.3524	422	8200	0.0384	0.0472	616
500	37	B	0.1162	0.813	0.3927	468	9110	0.0346	0.0425	658
550	61	B	0.095	0.855	0.432	516	10500	0.0314	0.0387	699
600	61	B	0.0992	0.893	0.4721	563	11500	0.0288	0.0355	738
650	61	B	0.1032	0.929	0.5105	609	11900	0.0266	0.0328	776
700	61	B	0.1071	0.964	0.5498	656	12900	0.0247	0.0305	812
750	61	B	0.1109	0.998	0.5891	703	13500	0.023	0.0286	847
800	61	B	0.1145	1.031	0.6283	750	14400	0.0216	0.0268	882
900	61	B	0.1215	1.094	0.7069	844	15900	0.0192	0.0239	948
1000	61	B	0.128	1.154	0.7854	937	17700	0.0173	0.0216	1011
1100	61	B	0.1099	1.209	0.8669	1030	20000	0.0157	0.0198	1071
1200	91	B	0.1148	1.263	0.9425	1124	21400	0.0144	0.0182	1129
1250	91	B	0.1172	1.289	0.9818	1172	22300	0.0138	0.0175	1557
1300	91	B	0.1195	1.315	1.021	1218	23200	0.0133	0.0169	1184
1400	91	B	0.124	1.364	1.1	1311	24500	0.0123	0.0158	1237
1500	91	B	0.1284	1.412	1.178	1406	26200	0.0155	0.0148	1288
2	19	C	0.0591	0.296	0.0521	62	1410	0.26	0.318	185
2/0	37	C	0.06	0.42	0.1045	125	2760	0.13	0.159	287

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SIZE AWG or kcmil	STRANDING		DIAMETER (ins)		CROSS SECTIONAL AREA (sq ins)	WEIGHT PER 1000FT (lbs)	RATED STRENGTH (lbs)	RESISTANCE ohms/1000ft		ALLOWABLE AMPACITY Amps
	No of Wires	Class	Individual wire	Complete cable				DC at 20°C	DC at 75°C	
3/0	37	C	0.0673	0.471	0.1318	157	3.41	0.1030	0.126	332
4/0	37	C	0.0756	0.529	0.1662	198	4.23	0.0817	0.0999	384
250	61	C	0.064	0.576	0.1964	234	5.03	0.0691	0.0846	427
300	61	C	0.0701	0.631	0.2356	281	5.93	0.0576	0.0706	478
350	61	C	0.0757	0.681	0.2749	328	6.92	0.0494	0.0605	527
400	61	C	0.081	0.729	0.3142	375	7.78	0.0432	0.053	573
450	61	C	0.0859	0.773	0.3534	422	8.75	0.0384	0.0472	617
500	61	C	0.0905	0.815	0.3927	468	9.54	0.0346	0.0425	659
550	91	C	0.0777	0.855	0.432	515	10.8	0.0314	0.0387	699
600	91	C	0.0812	0.893	0.4712	562	11.5	0.0288	0.0355	738
650	91	C	0.0845	0.93	0.5105	609	12.5	0.0266	0.0328	776
700	91	C	0.0877	0.964	0.5498	656	13.5	0.0247	0.0305	812
750	91	C	0.0908	0.999	0.5891	703	14.2	0.023	0.0286	848
800	91	C	0.0938	1.032	0.6283	750	15.1	0.0216	0.0247	882
900	91	C	0.0994	1.093	0.7069	843	17.1	0.0192	0.0239	948
1000	91	C	0.1048	1.153	0.7854	937	18.2	0.0173	0.0216	1011

TS IEC 1089

CODE AL mm²	CANADA STANDARD		AREAS		NO. OF WIRES	DIAMETER OF WIRES mm	CONDUCTOR DIAMETER mm	RATED STRENGHT kg	DC RESISTANCE AT 20°C ohms/km	UNIT WEIGHT kg/km	PACKING OF REELS		
	Type	Section AWG	Total mm²	Copper Equivalent mm²							Reel type	In one reel	
												Lengths m	Net weight kg
21	ROSE	4	21.14	13.3	7	1.96	5.88	416	1.3558	57.8	R-100	10000	578
27	LILY	3	26.6	16.73	7	2.2	6.6	514	1.0776	72.8	R-100	8000	583
34	IRIS	2	33.53	21.09	7	2.47	7.41	637	0.8537	91.8	R-100	6400	588
42	PANSY	1	42.49	26.72	7	2.78	8.34	777	0.6743	116.8	R-100	5000	582
53	POPPY	1/0	53.48	33.63	7	3.12	9.36	941	0.5354	146.4	R-100	4000	586
67	ASTER	2/0	67.14	42.22	7	3.5	10.5	1185	0.4254	184.4	R-100	3000	554
85	PHLOX	3/0	84.91	53.4	7	3.93	11.79	1435	0.3372	232.5	R-100	2400	558
107	OXLIP	4/0	107.38	67.53	7	4.42	13.26	1814	0.2662	294	R-100	1900	559
126	VALERIAN	250000	126.38	79.46	19	2.91	14.55	2261	0.2277	347.5	R-100	1600	556
135	DAISY	266800	135.28	85.07	19	3.01	15.05	2421	0.2127	372.1	R-100	1500	556
152	PEONY	300000	151.28	95.47	19	3.19	15.95	2671	0.1896	417.7	R-120	1750	731

DIN 48201

CODE	SECTION mm²	STRANDING		OVERALL DIAMETER mm	RATED STRENGTH N	ELECTRICAL RESISTANCE ohms/km	CABLE WEIGHT kg/km	CURRENT CARRYING CAPACITY (1) Amps
		No	Q mm					
16	15.89	7	1.7	5.1	2840	1.8018	44	110
25	24.25	7	2.1	6.3	4170	1.1808	67	145
35	34.46	7	2.5	7.5	5740	0.8332	94	180
50	49.48	7	3	9	7950	0.5786	135	225
50	48.36	19	1.8	9	8440	0.595	133	225
70	65.82	19	2.1	10.5	11250	0.4371	181	270
95	93.27	19	2.5	12.5	15650	0.3085	256	340

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CODE	SECTION mm²	STRANDING		OVERALL DIAMETER mm	RATED STRENGTH N	ELECTRICAL RESISTANCE ohms/km	CABLE WEIGHT kg/km	CURRENT CARRYING CAPACITY (1) Amps
		No	Ø mm					
120	117	19	2.8	14	18750	0.2459	322	390
150	147.1	37	2.25	15.7	25250	0.1961	406	455
185	181.6	37	2.5	17.5	30450	0.1587	501	520
240	242.5	61	2.25	20.2	39350	0.1192	670	625
300	299.4	61	2.5	22.5	47550	0.0965	827	710
400	400.1	61	2.89	26	60700	0.0722	1105	855
500	499.8	61	3.23	29.1	74500	0.0578	1381	990
625	626.3	91	2.96	32.6	95000	0.0462	1733	1140
800	802.1	91	3.35	36.8	118200	0.0361	2219	1340
1000	999.7	91	3.74	41.1	145500	0.029	2766	1540

BS 215

CODE	SECTION mm²		STRANDING		OVERALL DIAMETER mm	RATED STRENGTH N	ELECTRICAL RESISTANCE ohms/km	CONDUCTOR WEIGHT kg/km
	Nominal	Teorical	No	Ø mm				
MIDGE	22	23.33	7	2.06	6.18	3990	1.227	64
ANT	50	52.83	7	3.1	9.3	8280	0.5419	145
FLY	60	63.55	7	3.4	10.2	9900	0.4505	174
WASP	100	106	7	4.39	13.17	16000	0.2702	290
HORNET	150	157.6	19	3.25	16.25	25700	0.1825	434
CHARFER	200	213.2	19	3.78	18.9	35400	0.1349	587
COCKROACH	250	265.7	19	4.22	21.1	40400	0.1083	731
BUTTERFLY	300	322.7	19	4.65	23.25	48750	0.08916	888
CENTIPEDE	400	415.2	37	3.78	26.46	63100	0.06944	1145

Basic Technical Data of Stranded Conductors

NO. OF WIRES AL	FINAL MODULES OF ELASTICITY		COEFICIENT OF LINEAR EXPANSION	
	kg/mm²	Lb/in²	1/°C	1/F°
7	6000	8.5 x 106	23×10^{-6}	12.8×10^{-6}
19	5700	8.1 x 106		
37	5700	8.1 x 106		
61	5500	7.8 x 106		
91	5500	7.8 x 106		

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