

SPECIFICATIONS AND STANDARDS:

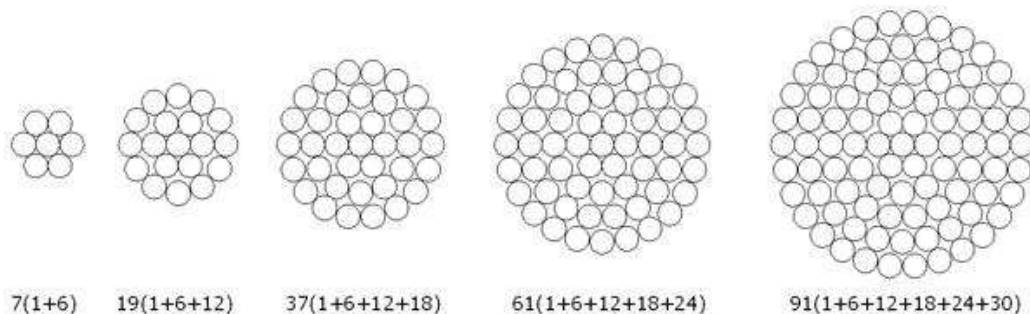
AAC bare conductors meet or exceed the following **BS 215-1**



APPLICATIONS:

All-aluminum conductors are the most favoured type for use in the construction of relatively short span distribution schemes and are in common use on lines for voltage up to 60 kV.

Another frequent application for all-aluminum conductors is in flexible busbar connections. Although aluminum to copper connections can be made, it is better to use aluminum conductors for service connections, as various forms of covered cables are available for this purpose.



This catalogue shows the most common sizes of conductor but other sizes, to any recognized standards or customer specification can also be supplied. AAC insulated with XLPE or PVC can also be supplied as per customer's requirements.

AAC Conductors manufactured to BS-215-1.

Code name	Nominal aluminum area	Stranding and wire diameter	Sectional area	Overall diameter	Linear mass	Max. DC resistance at 20°C	Rated strength	Final modulus of elasticity	Coefficient Of linear expansion
	mm ²	mm	mm ²	mm	kg/km	Ω/km	daN	hbar	/°C
Midg	22	7/2.06	23.33	6.18	63.8	1.227	399	5900	23.0x10 ⁻⁶
Aphis	25	3/3.35	26.40	7.2	73	1.081	411	5900	23.0x10 ⁻⁶
Gnat	25	7/2.21	26.8	6.6	73	1.066	459	5900	23.0x10 ⁻⁶
Weev	30	3/3.66	31.6	7.9	86	0.9082	486	5900	23.0x10 ⁻⁶
Mosquito	35	7/2.59	37.0	7.8	101	0.7762	603	5900	23.0x10 ⁻⁶
Ladybird	40	7/2.79	42.8	8.4	117	0.6689	687	5900	23.0x10 ⁻⁶
An	50	7/3.10	52.83	9.30	145	0.5419	828	5900	23.0x10 ⁻⁶
Fl	60	7/3.40	63.55	10.20	174	0.4505	990	5900	23.0x10 ⁻⁶
Bluebottle	70	7/3.66	73.7	11.0	202	0.3881	1134	5900	23.0x10 ⁻⁶
Earwi	75	7/3.78	78.5	11.4	215	0.3644	1194	5900	23.0x10 ⁻⁶
Grasshopper	80	7/3.91	84.1	11.7	230	0.3406	1278	5900	23.0x10 ⁻⁶
Cleg	90	7/4.17	95.6	12.5	262	0.2994	1453	5900	23.0x10 ⁻⁶
Was	100	7/4.39	106.0	13.17	290	0.2702	1600	5900	23.0x10 ⁻⁶
Beetl	100	19/2.67	106.0	13.4	293	0.2704	1742	5600	23.0x10 ⁻⁶
Be	125	7/4.90	132.0	14.7	361	0.2169	1944	5600	23.0x10 ⁻⁶
Cricke	150	7/5.36	157.9	16.1	432	0.1818	2385	5600	23.0x10 ⁻⁶
Horne	150	19/3.25	157.6	16.25	434	0.1825	2570	5600	23.0x10 ⁻⁶
Caterpillar	175	19/3.53	186	17.7	512	0.1547	2863	5600	23.0x10 ⁻⁶
Chafe	200	19/3.78	213.2	18.9	587	0.1349	3240	5600	23.0x10 ⁻⁶
Spide	225	19/3.99	236.9	20.0	652	0.1211	3601	5600	23.0x10 ⁻⁶
Cockroach	250	19/4.22	265.7	21.10	731	0.1083	4040	5600	23.0x10 ⁻⁶
Butterfly	300	19/4.65	322.7	23.25	888	0.08916	4875	5600	23.0x10 ⁻⁶
Mot	350	19/5.00	373.2	25.0	1027	0.07711	5637	5600	23.0x10 ⁻⁶
Dron	350	37/3.58	373.3	25.1	1029	0.07741	5745	5600	23.0x10 ⁻⁶
Locus	400	19/5.36	428.5	26.8	1179	0.06710	6473	5600	23.0x10 ⁻⁶
Centipede	400	37/3.78	415.2	26.46	1145	0.06944	6310	5600	23.0x10 ⁻⁶
Maybug	450	37/4.09	486.9	28.6	1342	0.05931	7401	5600	23.0x10 ⁻⁶
Scorpion	500	37/4.27	529.5	29.9	1460	0.05441	7998	5600	23.0x10 ⁻⁶
Cicad	600	37/4.65	628.6	32.6	1733	0.04588	9495	5600	23.0x10 ⁻⁶
Tarantula	750	37/5.23	794.6	36.6	2191	0.03627	12010	5600	23.0x10 ⁻⁶