

SPECIFICATIONS AND STANDARDS:

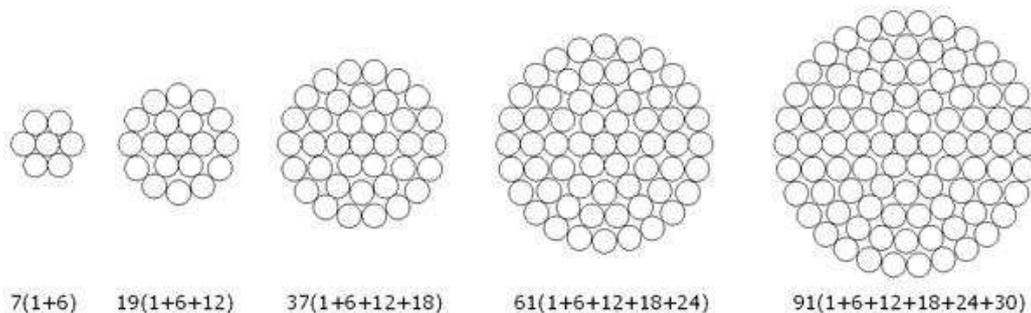
AAC bare conductors meet or exceed the following **DIN 48201**



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 DIN-48201.

Size	Calculated area	Stranding and wire diameter	Overall diameter	Linear mass	Rated strength	Max. DC resistance at 20°C
mm ²	mm ²	mm	mm	kg/km	daN	Ω/km
16	15.89	7/1.70	5.1	44	290	1.8018
25	24.25	7/2.10	6.3	67	425	1.1808
35	34.36	7/2.50	7.5	94	585	0.8332
50	49.48	7/3.00	9.0	135	810	0.5786
50	48.36	19/1.80	9.0	133	860	0.5950
70	65.82	19/2.10	10.5	181	1150	0.4371
95	93.27	19/2.50	12.5	256	1595	0.3084
120	117.00	19/2.80	14.0	322	1910	0.2469
150	147.10	37/2.25	15.2	406	2570	0.1960
185	181.60	37/2.50	17.5	501	3105	0.1587
240	242.54	61/2.25	20.2	670	4015	0.1191
300	299.43	61/2.50	22.5	827	4850	0.09650
400	400.14	61/2.89	26.0	1105	6190	0.07221
500	499.83	61/3.23	29.1	1381	7600	0.05781
625	626.20	91/2.96	32.6	1733	9690	0.04625
800	802.10	91/3.35	36.8	2219	12055	0.03611
1000	999.71	91/3.74	41.1	2766	14845	0.02897