AAAC

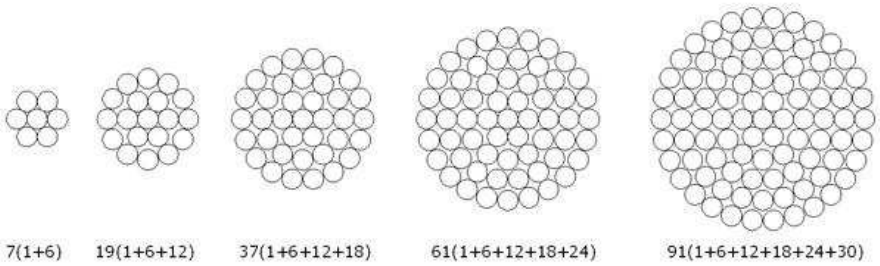
All Aluminum Alloy Conductor. Bare

SPECIFICATIONS AND STANDARDS

AAAC bare conductors meets or exceeds the following **DIN-48201**

APPLICATIONS

All-Aluminum Alloy Conductors (AAAC) is recommended for use as bare overhead conductor for primary and secondary distribution and in cases where high strength-to-weight ratio is required. It has a good corrosion resistance due to being composed out of aluminum alloy wires only, minimum conductivity of 52% IACS, high breaking strength per weight and normal creep values. AAAC has the highest strength per weight among all bare overhead conductors.



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

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AAAC conductors manufactured to DIN-48201

Code number	Calculated area	Number of wires	Diameter of wire	Overall diameter of conductor	Linear mass	Rated tensile strength	Max. DC resistance at 20℃
mm^2	mm^2		mm	mm	kg/k	daN	Ω/km
16	15.89	7	1.70	5.1	4	444	2.0910
25	24.25	7	2.10	6.3	6	677	1.3703
35	34.36	7	2.50	7.5	9	960	0.9669
50	49.48	7	3.00	9.0	13	1382	0.6714
50	48.35	1	1.80	9.0	13	1350	0.6905
70	65.81	1	2.10	10.5	18	1838	0.5073
95	93.27	1	2.50	12.5	25	2605	0.3579
120	116.99	1	2.80	14.0	32	3268	0.2854
150	147.11	3	2.25	15.8	40	4109	0.2274
185	181.62	3	2.50	17.5	50	5073	0.1842
240	242.54	6	2.25	20.3	67	6774	0.1383
300	299.43	6	2.50	22.5	82	8363	0.1120
400	400.14	6	2.89	26.0	110	11176	0.0838
500	499.63	6	3.23	29.1	137	13960	0.06709
625	626.20	9	2.96	32.6	173	17490	0.0540
800	802.09	9	3.35	36.9	221	22402	0.0418
1000	999.71	9	3.74	41.1	276	27922	0.0335

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