

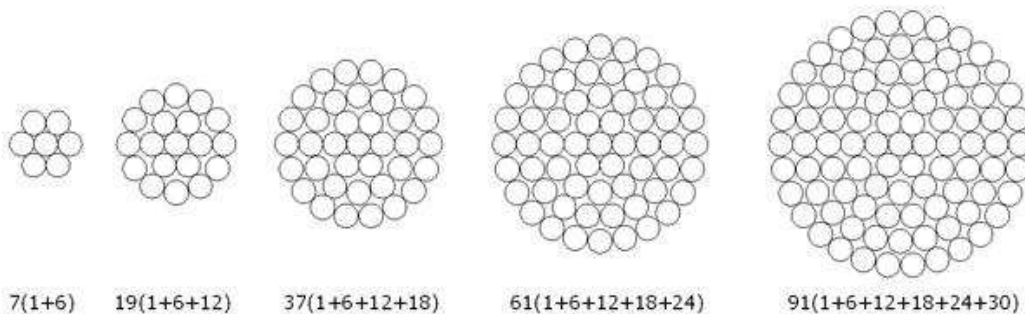
SPECIFICATIONS AND STANDARDS:

AAC bare conductors meet or exceed the following IEC 61089 Standard.

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 IEC61089

Cross Section mm ²	Number of Stranding Wires -	Diameter		Linear Mass kg/km	Rated Strength kN	Max. D.C. Resistance at 20°C Ω/km
		Wires mm	Conductor mm			
10	7	1.35	4.05	27.4	1.95	2.8633
16	7	1.71	5.12	43.8	3.04	1.7896
25	7	2.13	6.40	68.4	4.50	1.1453
40	7	2.70	8.09	109.4	6.80	0.7158
63	7	3.39	10.2	172.3	10.39	0.4545
100	19	2.59	12.9	274.8	17.00	0.2877
125	19	2.89	14.5	343.6	21.25	0.2302
160	19	3.27	16.4	439.8	26.40	0.1798
200	19	3.66	18.3	549.7	32.00	0.1439
250	19	4.09	20.5	687.1	40.00	0.1151
315	37	3.29	23.0	867.9	51.97	0.0916
400	37	3.71	26.0	1102.0	64.00	0.0721
450	37	3.94	27.5	1239.8	72.00	0.0641
500	37	4.15	29.0	1377.6	80.00	0.0577
560	37	4.39	30.7	1542.9	89.60	0.0515
630	61	3.63	32.6	1738.3	100.08	0.0458
710	61	3.85	34.6	1959.1	113.60	0.0407
800	61	4.09	36.8	2207.4	128.00	0.0361
900	61	4.33	39.0	2483.3	144.00	0.0321
1000	61	4.57	41.1	2759.2	160.00	0.0289
1120	91	3.96	43.5	3093.5	179.20	0.0258
1250	91	4.18	46.0	3452.6	200.00	0.0231
1400	91	4.43	48.7	3866.9	224.00	0.0207
1500	91	4.58	50.4	4143.1	240.00	0.0193