

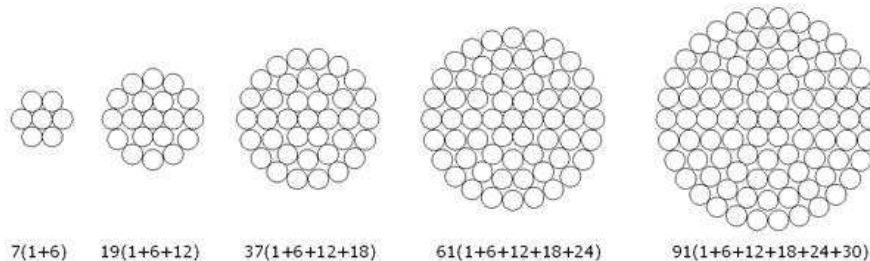
SPECIFICATIONS AND STANDARDS

AAAC bare conductors meets or exceeds the following **BS-EN50183**



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.

AAAC conductors manufactured to BS-EN50183

Code Name	Calculated Cross Section	No..Dia.of Wires	Overall Diameter	Weight	Rated Strength
	mm ²	No./mm	mm	kg/km	kN
Box	18.8	7/1.85	5.55	51.4	5.55
Acacia	23.8	7/2.08	6.24	64.9	7.02
Almond	30.1	7/2.34	7.02	82.2	8.88
Cedar	35.5	7/2.54	7.62	96.8	10.46
Deodar	42.2	7/2.77	8.31	115.2	12.44
Fir	47.8	7/2.95	8.85	130.6	14.11
Hazel	59.9	7/3.30	9.90	163.4	17.66
Pine	71.6	7/3.61	10.8	195.6	21.14
Holly	84.1	7/3.91	11.7	229.5	24.79
Willow	89.7	7/4.04	12.1	245.0	26.47
Oak	118.9	7/4.65	14.0	324.5	35.07
Mulberry	150.9	19/3.18	15.9	414.3	44.52
Ash	180.7	19/3.48	17.4	496.1	53.31
Elm	211.0	19/3.76	18.8	579.2	62.24
Poplar	239.4	37/2.87	20.1	659.4	70.61
Sycamore	303.2	37/3.23	22.6	835.2	89.40
Upas	362.1	37/3.53	24.7	997.5	106.82
Yew	479.0	37/4.06	28.4	1319.6	141.31
Totara	498.1	37/4.14	29.0	1372.1	146.93
Rubus	586.9	61/3.50	31.5	1622.0	173.13
Sorbus	659.4	61/3.71	33.4	1822.5	194.53
Araucaria	821.1	61/4.14	37.3	2269.4	242.24
Redwood	996.2	61/4.56	41.0	2753.2	293.88