Application

All Aluminum Alloy Conductor 6201 (AAAC) finds extensive application in overhead transmission lines, particularly in high voltage and ultra-high voltage systems reaching up to 1000kV. Its unique advantages in strength and resistance make it especially suitable for new line installations and specific scenarios with long-span requirements, effectively reducing line loss.

Advantages

Large transmission capacity: AAAC facilitates high-volume transmission, ensuring efficient power delivery over vast distances.
Excellent sag performance: With superior mechanical properties, AAAC maintains optimal sag performance, ensuring stable transmission line operation.
Low loss: The inherent design of AAAC minimizes energy loss during transmission, contributing to enhanced efficiency and reduced operating costs.
Corrosion resistance: AAAC exhibits excellent resistance to corrosion, ensuring longevity and reliability in diverse environmental conditions.
Simple construction: The straightforward construction of AAAC, comprising aluminum alloy wires in a concentric-lay-stranded configuration, facilitates easy installation and maintenance.

Construction

AAAC is constructed from aluminum alloy wires arranged in a concentric-lay-stranded configuration. This construction method ensures uniformity and reliability, ensuring optimal performance and durability in overhead transmission applications.

Specifications

-BS 3242 Standard Aluminum Alloy Conductors
-BS EN 50183 Standard Aluminum Alloy Conductors.

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

Code Name	Calculated Cross Section Area	Stranding Wires		Nominal Diameter	Nominal Weight	Rated Strength	Max.D.C. Resistance at 20℃	Current Carrying Capacity
		No.	Dia.					
-	mm²	-	mm	mm	kg/km	kN	Ω/km	A
Box	18.8	7	1.85	5.55	51.4	5.55	1.7480	93
Acacia	23.8	7	2.08	6.24	64.9	7.02	1.3828	110
Almond	30.1	7	2.34	7.02	82.2	8.88	1.0926	128
Cedar	35.5	7	2.54	7.62	96.8	10.46	0.9273	132
Deodar	42.2	7	2.77	8.31	115.2	12.44	0.7797	148
Fir	47.8	7	2.95	8.85	130.6	14.11	0.6875	161
Hazel	59.9	7	3.30	9.90	163.4	17.66	0.5494	184
Pine	71.6	7	3.61	10.8	195.6	21.14	0.4591	204
Holly	84.1	7	3.91	11.7	229.5	24.79	0.3913	222
Willow	89.7	7	4.04	12.1	245.0	26.47	0.3665	233
Oak	118.9	7	4.65	14.0	324.5	35.07	0.2726	272
Mulberry	150.9	19	3.18	15.9	414.3	44.52	0.2192	319
Ash	180.7	19	3.48	17.4	496.1	53.31	0.1830	354
Elm	211.0	19	3.76	18.8	579.2	62.24	0.1568	385
Poplar	239.4	37	2.87	20.1	659.4	70.61	0.1387	414
Sycamore	303.2	37	3.23	22.6	835.2	89.40	0.1095	487
Upas	362.1	37	3.53	24.7	977.5	106.82	0.0917	527
Yew	479.0	37	4.06	28.4	1319.6	141.31	0.0693	629
Totara	498.1	37	4.14	29.0	1372.1	146.93	0.0666	640
Rubus	586.9	61	3.50	31.5	1622.0	173.13	0.0567	716
Sorbus	659.4	61	3.71	33.4	1822.5	194.53	0.0505	760
Araucaria	821.1	61	4.14	37.3	2269.4	242.24	0.0406	842
Rrdwood	996.2	61	4.56	41.0	2753.2	293.88	0.0334	920