Application

All Aluminum Alloy Conductor 6201 (AAAC) is extensively utilized in overhead transmission lines, particularly in high voltage and ultra-high voltage applications reaching up to 1000kV. Its unique advantages in both strength and resistance make it a preferred choice for new line installations and specific scenarios with long spans requiring minimal line loss.

Advantages

Large transmission capacity: AAAC 6201 facilitates high transmission volumes, making it suitable for transmitting significant amounts of electrical power over long distances.
Excellent sag performance: The inherent properties of AAAC 6201 allow for optimal sag performance, ensuring stable and reliable transmission line operation.
Low loss: With minimal electrical resistance, AAAC 6201 minimizes power losses during transmission, contributing to efficient energy transfer.
Corrosion resistance: The use of aluminum alloy enhances the conductor's resistance to corrosion, ensuring prolonged service life even in harsh environmental conditions.
Simple construction: AAAC 6201 features a straightforward construction, facilitating easy installation and maintenance, thus reducing overall project complexity and costs.

Construction

AAAC 6201 is constructed from aluminum alloy wires arranged in a concentric-lay-stranded configuration. This meticulous construction ensures optimal performance and durability, making AAAC 6201 a dependable choice for overhead transmission line 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	Nominal Cross Section Area	No./Dia. Of Stranding Wires	Calculated Cross Section Area	Nominal Diameter	Nominal Weight	Rated Strength	Max.D.C. Resistance at 20℃
-	mm²	No./mm	mm²	mm	kg/km	Kgf	Ω/km
Box	15	7/1.85	18.82	5.55	51	537	1.7495
Acacia	20	7/2.08	23.79	6.24	65	680	1.3840
Alimond	25	7/2.34	30.10	7.02	82	861	1.0934
Cedar	30	7/2.54	35.47	7.62	97	1014	0.9281
-	35	7/2.77	42.18	8.31	115	1205	0.7804
Fir	40	7/2.95	47.87	8.85	131	1367	0.6880
Hazel	50	7/3.30	59.87	9.9	164	1711	0.5498
Pine	60	7/3.61	71.65	10.83	196	2048	0.4594
-	70	7/3.91	84.05	11.73	230	2402	0.3917
Willow	75	7/4.04	89.73	12.12	245	2565	0.3669
-	80	7/4.19	96.52	12.57	264	2758	0.3441
-	90	7/4.44	108.00	13.32	298	3112	0.3023
Oak	100	7/4.65	118.90	13.95	325	3398	0.2769
-	100	19/2.82	118.70	14.1	326	3393	0.2787
Mulberry	125	19/3.18	150.90	15.9	415	4312	0.2192
Ash	150	19/3.48	180.70	17.4	497	5164	0.1831
Elm	175	19/3.76	211.00	18.8	580	6030	0.1568
Poplar	200	37/2.87	239.40	20.09	659	8841	0.1385
-	225	37/3.05	270.30	21.35	744	7724	0.1227
Sycamore	250	37/3.22	303.20	22.54	835	8664	0.1093
Upas	300	37/3.53	362.10	24.71	997	10350	0.09156
Walnut	350	37/3.81	421.80	26.67	1162	12053	0.07860
Yew	400	37/4.06	479.00	28.42	1319	13685	0.06921
Totara	425	37/4.14	498.10	28.98	1372	14233	0.06656
Rubus	500	61/3.50	586.90	31.5	1620	16771	0.05662
Araucaria	700	61/4.14	821.10	37.26	2266	23450	0.04047