Application

The All Aluminum Alloy Conductor 6201 (AAAC) serves as a crucial component in overhead power transmission systems. Widely adopted for medium and high transmission lines across various voltage levels, AAAC finds extensive application in challenging terrains such as large rivers and heavy ice areas.

Advantages

Excellent corrosion resistance: Compared to ACSR, AAAC demonstrates superior corrosion resistance, ensuring longevity and reliability in harsh environmental conditions.
Enhanced strength-to-weight ratio: AAAC boasts a superior strength-to-weight ratio compared to ACSR, providing improved electrical properties and performance.
Versatile applications: AAAC's versatility makes it suitable for a wide range of transmission line installations, including those spanning large rivers and areas prone to heavy ice accumulation.

Construction

AAAC 6201 is meticulously constructed from aluminum alloy wires arranged in a concentric-lay-stranded configuration. This construction methodology ensures optimal performance and durability, making AAAC a preferred choice for overhead power transmission applications where reliability and efficiency are paramount.

Specifications

-DIN 48201 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

Nominal Cross Section Area	Calculated Cross Section Area	Stranding Wires		Nominal Overall Diameter	Nominal Weight	Rated Strength	Max.D.C. Resistance at 20℃
		No.	Dia.				
mm²	mm²	-	mm	mm	kg/km	daN	Ω/km
16	15.89	7	1.70	5.1	43	444	2.0910
25	24.25	7	2.10	6.3	66	677	1.3703
35	34.36	7	2.50	7.5	94	960	0.9669
50	49.48	7	3.00	9.0	135	1382	0.6714
50	48.35	19	1.80	9.0	133	1350	0.6905
70	65.81	19	2.10	10.5	181	1838	0.5073
95	9.27	19	2.50	12.5	256	2605	0.3579
120	116.99	19	2.80	14.0	322	3268	0.2854
150	147.11	37	2.25	15.8	406	4109	0.2274
185	181.62	37	2.50	17.5	500	5073	0.1842
240	242.54	61	2.25	20.3	670	6774	0.1383
300	299.43	61	2.50	22.5	827	8363	0.1120
400	400.14	61	2.89	26.0	1104	11176	0.0838
500	499.63	61	3.23	29.1	1379	13960	0.06709
625	626.20	91	2.96	32.6	1732	17490	0.0540
800	802.09	91	3.35	36.9	2218	22402	0.0418
1000	999.71	91	3.74	41.1	2767	27922	0.0335