



• Application

AAC conductors are extensively utilized in power transmission lines across various voltage levels due to their advantageous characteristics, including a simple structure, convenient installation and maintenance, low cost, and large transmission capacity. They are particularly suitable for deployment in challenging terrains such as rivers, valleys, and areas with special geographical features.

In addition to traditional power transmission applications, AAC conductors are also employed in renewable energy projects, such as wind farms and solar power installations, where lightweight and durable overhead lines are essential for efficient energy distribution.

• Advantages

Simple Structure: The straightforward design of AAC conductors simplifies installation and maintenance processes, reducing time and labor costs.

Convenient Installation and Maintenance: AAC conductors offer ease of handling and installation, making them suitable for a wide range of deployment scenarios, including remote and challenging environments.

Low Cost: The cost-effectiveness of AAC conductors, coupled with their long service life, makes them an economical choice for power transmission projects.

Large Transmission Capacity: AAC conductors possess high electrical conductivity, enabling efficient transmission of large quantities of electrical power over long distances.

• Construction

AAC conductors consist of bare concentric-lay-stranded aluminum wires, featuring a straight round central aluminum wire surrounded by one or more layers of helically laid aluminum wires. This construction design enhances mechanical strength and flexibility, ensuring reliable performance under various environmental conditions. Additionally, AAC conductors may undergo surface treatment processes to further enhance their corrosion resistance and electrical properties, depending on specific application requirements.

• Specifications

-NF C 34-125/EN50182 Standard

• 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 Rheinland 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 Sectional Area	Stranding	Overall Diameter	Nominal Weight	Breaking Load	Max.D.C. Resistance at 20°C
-	mm ²	No./mm	mm	kg/km	kN	Ω/km
ASTER 22	21.99	7×2.00	6	60.2	7.15	1.5
ASTER 34.4	34.36	7×2.50	7.5	94	11.15	0.958
ASTER 54.6	54.55	7×3.15	9.45	149	17.55	0.603
ASTER 75.5	75.54	19×2.25	11.25	208	24.3	0.438
ASTER 117	116.98	19×2.80	14	322	37.65	0.283
ASTER 148	148.01	19×3.15	15.75	407	47.65	0.224
ASTER 181.6	181.62	37×2.50	17.5	500	58.45	0.183
ASTER 228	227.83	37×2.80	19.6	627	73.4	0.149
ASTER 288	288.34	37×3.15	22.05	794	92.8	0.115
ASTER 366	366.22	37×3.55	24.85	1009	117.85	0.093
ASTER 570	570.22	61×3.45	31.05	1574	183.6	0.093
ASTER 851	850.66	91×3.45	37.95	2354	273.9	0.031
ASTER 1144	1143.51	91×4.00	44	3164	362.6	0.093
ASTER 1600	1595.93	127×4.00	52	4425	506.4	0.0078