



• Application

Bare AAC wires are designed for transmitting electric power in aerial electric mains, suitable for various atmospheric conditions specified under GOST 15150 UHL type. These conductors are intended for use in environments where the sulfuric gas content does not exceed 150 mg/m² per day (1.5 mg/m³). They are widely used in all macroclimatic areas for Low and Medium Voltage Lines and Areas with Low Humidity and Low Corrosion.

• Advantages

High Current Carrying Capacity: AAC conductors offer excellent conductivity, making them suitable for transmitting significant amounts of electric power.

Corrosion Resistance: The aluminum construction provides inherent resistance to corrosion, enhancing the lifespan of the conductors in suitable environments.

Lightweight: The aluminum material makes these conductors lightweight, facilitating easier installation and handling.

Cost-Effective: AAC conductors provide an economical solution for electrical transmission with a good balance of performance and cost.

Environmental Compatibility: Designed to perform well in specified atmospheric conditions, ensuring reliable operation over time.

• Construction

AAC conductors are made from aluminum alloy 1350-H19 wires, known for their excellent electrical and mechanical properties. The construction details include:

Stranding: Aluminum alloy 1350-H19 wires are concentrically stranded to form the conductor, providing a balance of flexibility and strength.

Optional Corrosion Protection:

Grease Application: Grease can be applied to individual wires or infused throughout the entire cable to enhance corrosion resistance in environments where additional protection is required.

• Specifications

-GOST 839-80

• 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

Nominal Corss Section Area	No.of Wires	Wire Diameter	Calculated Cross Section Area	Overall Diameter	D.C. Resistance at 20	Min. Breaking Load	Conductor Weight
mm ²	-	mm	mm ²	mm	Ω/km	-	kg/km
10	7	1.35	10.0	4.05	28631	1950	27.4
16	7	1.70	15.9	5.10	18007	3021	43.0
25	7	2.13	24.9	6.40	11498	4500	68.0
35	7	2.50	34.3	7.50	0.8347	5913	94.0
40	7	2.70	40.0	8.09	0.7157	6800	109.4
50	7	3.00	49.5	9.00	0.5784	8198	135.0
63	7	3.39	63.0	10.16	0.4544	10390	172.3
70	7	3.55	69.3	10.70	0.4131	11288	189.0
95	7	4.10	92.4	12.30	0.3114	14784	252.0
100	19	2.59	100.0	12.94	0.2877	17000	274.9
120	19	2.80	117.0	14.00	0.2459	19890	321.0
125	19	2.89	125.0	14.47	0.2301	21250	343.6
150	19	3.15	148.0	15.80	0.1944	24420	406.0
160	19	3.27	160.0	16.37	0.1798	26400	439.8
185	19	3.50	182.8	17.50	0.1574	29832	502.0
200	19	3.66	200.0	18.30	0.1438	32000	549.7
240	19	4.00	238.7	20.00	0.1205	38192	655.0
250	19	4.09	250.0	20.47	0.1150	40000	687.1
300	37	3.15	288.3	22.10	0.1000	47569	794.0
315	37	3.29	315.0	23.05	0.0915	51970	867.5
350	37	3.45	345.8	24.20	0.0833	57057	952.0
400	37	3.66	389.2	25.60	0.0740	63420	1072.0
450	37	3.90	449.1	27.30	0.0642	71856	1206.0
500	37	4.15	500.4	29.10	0.0576	80000	1378.0
550	61	3.37	544.0	30.30	0.0529	89760	1500.0
560	37	4.39	560.0	30.73	0.0531	89600	1542.2
600	61	3.50	586.8	31.50	0.0491	95632	1618.0
630	61	3.63	630.0	32.64	0.0458	100800	1738.4
650	61	3.66	641.7	32.90	0.0450	104575	1771.0
700	61	3.80	691.7	34.20	0.0417	112725	1902.0
710	61	3.85	710.0	34.65	0.0406	113600	1959.2
750	61	3.95	747.4	35.60	0.0386	119584	2062.0