



• Application

DIN 48206 Aluminum Alloy Conductor Steel Reinforced (AACSR) is extensively utilized in overhead electric power transmission and distribution lines across various voltage grades. Its versatility and robust design make it suitable for a wide range of applications, from rural distribution networks to high-capacity transmission corridors.

• Advantages

Aluminum Alloy Conductor Steel Reinforced (AACSR) offers several advantages over conventional ACSR conductors. With its high tensile strength, lightweight design, excellent creep resistance, and superior sag properties, AACSR is a preferred choice for overhead electric power transmission and distribution lines. Its unique features enable the reduction of iron tower height, the extension of span length, and cost savings during line installation.

• Construction

AACSR conductors are constructed using a combination of aluminum alloy and high-strength steel. The conductor comprises multiple layers of aluminum alloy wires stranded around a high-tensile steel core. This construction design ensures optimal strength-to-weight ratio, allowing for efficient power transmission while minimizing sag and mechanical stress on support structures.

• Specifications

-DIN 48206 Standard Aluminum Alloy Conductor Steel Reinforced

• 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

Cross Section Area			No. of Alloy Wires	Diameter of Alloy Wire	No. of Steel Wires	Overall Diameter of Steel Wires	Diameter of Conductor	Nominal Weight	Rated Strength	Max D.C. Resistance at 20
Nominal Alloy/Steel	Alloy	Steel								
mm ²	mm ²	mm ²	No.	mm	No.	mm	mm	kg/km	daN	Ω/km
16/2.5	15.27	2.54	6	1.8	1	1.8	5.4	62	748	2.18
25/4	23.86	3.98	6	2.25	1	2.25	6.8	97	1171	1.3952
35/6	34.35	5.73	6	2.7	4	2.7	8.1	140	1685	0.9689
44/32	43.98	31.67	14	2	7	2.4	11.2	373	5027	0.7625
50/8	48.25	8.04	6	3.2	1	3.2	9.6	196	2366	0.6898
50/30	51.17	29.85	12	2.33	7	2.33	11.7	378	5024	0.6547
70/12	69.89	11.4	26	1.85	7	1.44	11.7	284	3399	0.4791
95/15	94.39	15.33	26	2.15	7	1.67	13.6	383	4582	0.3547
95/55	96.51	56.3	12	3.2	7	3.2	16	714	9475	0.3471
105/75	105.67	75.55	14	3.1	19	2.25	17.5	899	12014	0.3174
120/20	121.57	19.85	26	2.44	7	1.9	15.5	494	5914	0.2754
120/170	122.15	71.25	12	3.6	7	3.6	18	904	11912	0.2742
125/30	127.92	29.85	30	2.33	7	2.33	16.3	590	7280	0.2621
150/25	148.86	24.25	26	2.7	7	2.1	17.1	604	7236	0.2249
170/40	171.77	40.08	30	2.7	7	2.7	18.9	794	9775	0.1952
185/30	183.78	29.85	26	3	7	2.33	19	744	8922	0.1822
210/35	209.1	34.09	26	3.2	7	2.49	20.3	848	10167	0.1601
210/50	212.06	49.48	30	3	7	3	21	979	12068	0.1581
230/30	230.91	29.85	24	3.5	7	2.33	21	874	10308	0.1449
240/40	243.05	39.49	26	3.45	7	2.68	21.8	985	11802	0.1378
265/35	263.66	34.09	24	3.74	7	2.49	22.4	998	11771	0.1269
300/50	304.26	49.48	26	3.86	7	3	24.5	1233	14779	0.1101
305/40	304.62	39.49	54	2.68	7	2.68	24.1	1155	13612	0.1101
340/30	339.29	29.85	48	3	7	2.33	25	1174	13494	0.0988
380/50	381.7	49.48	54	3	7	3	27	1448	17056	0.0879
385/35	386.04	34.09	48	3.2	7	2.49	26.7	1336	15369	0.0868
435/55	434.29	56.3	54	3.2	7	3.2	28.8	1647	19406	0.0772
450/40	448.71	39.49	48	3.45	7	2.68	28.7	1553	17848	0.0747
490/65	490.28	63.55	54	3.4	7	3.4	30.6	1860	21907	0.0684
550/70	549.65	71.25	54	3.6	7	3.6	32.4	2085	24560	0.061
560/50	561.7	49.48	48	3.86	7	3	32.2	1943	22348	0.0597
680/85	678.58	85.95	54	4	19	2.4	36	2564	30084	0.0494