



• Application

BS EN 50183 Aluminum Alloy Conductor Steel Reinforced (AACSR) conductors find widespread application in various transmission towers and structures, spanning from extra high voltage (EHV) transmission lines to sub-service spans at distribution or utilization voltages, similar to ACSR.

• Advantages

AACSR conductors consist of Aluminum Alloy 6201 wires and steel cores, which are concentrically stranded and helically wrapped around a central wire. This construction ensures optimal strength and conductivity for efficient power transmission. Additionally, additional corrosion protection is available through the application of grease to the cores or by infusing the complete cable with grease, enhancing durability and longevity.

• Construction

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• Specifications

-BS EN 50183- AACSR Conductor Aluminium 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 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

Calculated Cross Sectional Area			Stranding Wire Diameter				Diameter		Nominal Breaking Load	D.C. Resistance at 20 °C	Weight
Alum.	Steel	Total Area	Alum.	Steel	No.	mm	Steel Core	Conductor			
mm ²	mm ²	mm ²	No.	mm	No.	mm	mm	mm	kN	Ω/km	kg/km
28.3	9.4	37.7	9	2	3	2	4.3	8.3	22.86	1.175	151.4
37.7	22	59.7	12	2	7	2	6	10	44.14	0.8835	276
47.7	27.8	75.5	12	2.25	7	2.25	6.75	11.3	55.86	0.6981	349.3
56.5	59.7	116.2	18	2	19	2	10	14	104.93	0.5921	625
71.6	75.5	147.1	18	2.25	19	2.25	11.3	15.8	132.8	0.4678	791
119.3	27.8	147.1	30	2.25	7	2.25	6.75	15.8	79.12	0.2795	547
88.4	93.3	181.6	18	2.5	19	2.5	12.5	17.5	160.22	0.3789	976.6
147.3	34.4	181.6	30	2.5	7	2.5	7.5	17.5	96.31	0.2264	675.3
110.8	117	227.8	18	2.8	19	2.8	14	19.6	200.98	0.3021	1225
184.7	43.1	227.8	30	2.8	7	2.8	8.4	19.6	120.81	0.1805	847.1
140.3	148.1	288.3	18	3.15	19	3.15	15.8	22.1	249.93	0.2387	1550.4
233.8	54.6	288.3	30	3.15	7	3.15	9.45	22.1	151.26	0.1426	1072.1
206.2	93.3	299.4	42	2.5	19	2.5	12.5	22.5	198.51	0.1622	1302.8
52	42.1	94.1	15	2.1	19	1.68	8.4	12.6	77.96	0.6435	174.2
325.7	86	411.7	32	3.6	19	2.4	12	26.4	223.8	0.1025	1575.1
147.8	227.8	375.6	24	2.8	37	2.8	19.6	25.2	369.27	0.227	2202.4
507.8	104.8	612.6	66	3.13	19	2.65	13.3	32	312.81	0.0657	2225
717.3	148.1	865.4	66	3.72	19	3.15	15.8	38.1	430.29	0.0465	3143.2
956.7	227.8	1184	54	2.8	37	2.8	19.6	42	632.15	0.0349	4430.7