



• Application

ABNT/NBR 5369 Aluminum Alloy Conductor Steel Reinforced (AACSR) is used as bare overhead transmission conductors, primary and secondary distribution conductors, and messenger support. They serve as a replacement for traditional ACSR conductors in applications where superior strength and performance are required. AACSR conductors excel in river crossings and long-span installations, where standard ACSR conductors may not suffice.

• Features

Optimal Strength for Line Design: AACSR conductors offer superior strength, enabling efficient line design and installation.
Improved Strength to Weight Ratio: With enhanced strength and reduced weight, AACSR conductors provide a favorable strength-to-weight ratio, allowing for longer spans and heavy load conditions.

Ideal for Extra Long Spans and Heavy Load Conditions: AACSR conductors are well-suited for applications requiring extended spans and high load capacities, ensuring reliable performance in challenging environments.

Excellent Resistance to Corrosion: The galvanized steel core of AACSR conductors provides excellent resistance to corrosion, enhancing durability and longevity in various outdoor conditions.

• Construction

AACSR conductors are constructed with Aluminum 6201 wires concentrically stranded over a central wire/core of galvanized steel. This construction design ensures optimal strength, conductivity, and resistance to corrosion.

• Specifications

-ABNT NBR 5369 - Aluminum Alloy Conductor Steel Reinforced (AACSR)

• 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 Cross Section Area		Stranding				Diameter of Complete Conductor	Nominal Weight			Rated Strength		D.C. Resistance at 20°C	Current Capacity	
		No. of Wires		Wire Diameter			Alloy	Steel	Total				at 75°C	at 85°C
Alloy	Steel	Al	Steel	Al	Steel	mm				kg/km	kg/km	kg/km		
mm²	mm²	No.	No.	mm	mm	mm	kg/km	kg/km	kg/km	kN / Class A	kN / Class B	Ω/km	A	A
140.17	22.28	26	7	2.62	2.04	16.60	386.5	178.7	565.2	75.0	73.5	0.2402	277	341
140.28	32.73	30	7	2.44	2.44	17.08	387.7	255.7	643.4	87.5	85.3	0.2405	278	342
139.11	26.13	26	7	2.61	2.18	16.98	383.6	204.1	587.7	79.2	77.4	0.2420	277	341
133.46	37.45	30	7	2.38	2.38	16.66	368.9	292.5	661.4	91.8	89.3	0.2528	270	332
180.13	29.34	26	7	2.97	2.31	18.81	496.7	229.2	725.9	95.2	93.2	0.1869	320	396
179.49	41.88	30	7	2.76	2.76	19.32	496.1	327.1	823.2	111.9	109.1	0.1880	321	397
200.06	32.46	26	7	3.13	2.43	19.81	551.6	253.5	805.1	105.5	103.3	0.1683	340	422
199.52	46.56	30	7	2.91	2.91	20.37	551.5	363.7	915.2	124.4	121.3	0.1691	341	424
223.73	36.31	26	7	3.31	2.57	20.95	616.9	283.6	900.5	115.1	112.7	0.1505	363	452
223.52	52.15	30	7	3.08	3.08	21.56	617.8	407.3	1025.1	139.4	135.9	0.1510	364	454
250.15	40.67	26	7	3.50	2.72	22.16	689.7	317.7	1007.4	128.8	126.1	0.1346	387	483
250.41	58.43	30	7	3.26	3.26	22.82	692.1	456.4	1148.5	152.9	149.0	0.1348	388	486
279.55	45.60	26	7	3.70	2.88	23.44	770.8	356.2	1127.0	144.1	141.1	0.1204	412	517
280.45	65.44	30	7	3.45	3.45	24.15	775.2	511.2	1286.4	171.3	166.9	0.1203	414	520
320.22	51.48	26	7	3.96	3.06	25.02	882.9	402.1	1285.0	164.1	160.6	0.1051	445	560
315.63	72.23	30	19	3.66	2.20	25.64	872.4	565.3	1437.7	190.5	185.8	0.1069	443	558
355.09	57.71	26	7	4.17	3.24	26.40	979.1	450.8	1429.8	182.8	178.9	0.0948	472	596
354.71	81.01	30	19	3.88	2.33	27.17	980.4	634.0	1614.4	210.8	205.5	0.0951	473	599
400.75	65.44	26	7	4.43	3.45	28.07	1105.0	511.2	1616.2	206.7	202.3	0.0840	505	641
399.95	91.04	30	19	4.12	2.47	28.83	1105.5	712.5	1818.0	237.3	231.4	0.0844	505	643
450.73	58.50	54	19	3.26	1.98	29.46	1245.8	457.9	1703.7	208.9	205.1	0.0749	530	676
498.97	63.33	54	19	3.43	2.06	30.88	1379.1	495.7	1874.8	229.3	225.2	0.0676	561	717
558.85	70.92	54	19	3.63	2.18	32.68	1544.6	555.1	2099.7	256.8	252.2	0.0604	597	767
628.64	79.63	54	19	3.85	2.31	34.65	1737.5	623.2	2360.7	285.8	280.6	0.0537	636	821
709.46	89.57	54	19	4.09	2.45	36.79	1960.9	701.0	2661.9	322.1	316.3	0.0476	679	881
798.85	100.88	54	19	4.34	2.60	39.04	2208.0	789.6	2997.6	362.7	356.2	0.0422	723	945
898.3	72.88	84	19	3.69	2.21	40.57	2488.9	570.4	3059.3	354.6	349.8	0.0377	775	1016
998.32	81.01	84	19	3.89	2.33	42.77	2766.0	634.0	3400.0	391.0	385.8	0.0339	818	1079
1119.86	91.04	84	19	4.12	2.47	45.31	3102.8	712.5	3815.3	438.9	433.0	0.0302	866	1151
1248.38	101.65	84	19	4.35	2.61	47.85	3458.9	795.6	4254.5	489.5	482.8	0.0271	913	1221