



• Application

ACSR, recognized for its high capacity and reliability, finds its primary application in overhead power lines. Widely acclaimed for their cost-effectiveness and dependability, ACSR conductors have been the backbone of overhead transmission lines globally. These robust conductors are extensively utilized in overhead transmission and distribution lines across various voltage levels. Their exceptional reliability and impressive strength-to-weight ratio make ACSR ideal for spanning practical distances between timber poles, transmission towers, and other supporting structures.

• Advantages

ACSR conductors epitomize optimal strength and efficiency in line design. The variable stranding of steel cores within these conductors enables the attainment of desired strength levels without compromising on ampacity, ensuring reliable performance under diverse operating conditions.

• Construction

ACSR is meticulously constructed as a concentrically stranded conductor, comprising one or more layers of hard-drawn EC grade aluminum wires enveloping a high-strength coated steel core. Comprising multiple non-insulated single wires intricately twisted together, ACSR features a steel "core" at its center, surrounded by twisted aluminum wires. The steel core serves as the primary reinforcement, enhancing the conductor's strength, while the aluminum stranded wires facilitate the efficient transmission of electrical energy.

In adherence to DIN standards, ACSR conductors undergo rigorous manufacturing processes to ensure compliance with stringent quality and performance criteria, making them indispensable components of critical electrical infrastructure projects worldwide.

• Specifications

-DIN 48204/EN 50182 Germany Standard/European Union 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

Nominal Cross Section Area Aluminum/Steel	Section Area			Stranding Wires		Nominal Overall Diameter	Nominal Weight			Nominal Breaking Load	Max.D.C. Resistance at 20°C
	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total		
mm ²	mm ²	mm ²	mm ²	No./mm	No./mm	mm	kg/km	kg/km	kg/km	daN	Ω/Km
16/2.5	15.3	2.5	17.8	6/1.80	1/1.80	5.4	42	20	62	595	1.8780
25/4	23.8	4.0	27.8	6/2.25	1/2.25	6.8	65	32	97	920	1.2002
35/6	34.3	5.7	40.0	6/2.70	1/2.70	8.1	94	46	140	1265	0.8352
44/32	44.0	31.7	75.7	14/2.00	7/2.40	11.2	122	250	372	4500	0.6573
50/8	48.3	8.0	56.3	6/3.20	1/3.20	9.6	132	64	196	1710	0.5946
50/30	51.2	29.8	81.0	12/2.33	7/2.33	11.7	141	237	378	4380	0.5643
70/12.	69.9	11.4	81.3	26/1.85	7/1.44	11.7	193	91	284	2680	0.4130
95/15	94.4	15.3	109.7	26/2.15	7/1.67	13.6	260	123	383	3575	0.3058
95/55	96.5	56.3	152.8	12/3.20	7/3.20	16.0	266	446	712	7935	0.2992
105/75	105.7	75.5	181.5	14/3.10	9/2.25	17.5	292	599	891	10845	0.2735
120/20	121.06	19.8	141.4	26/2.44	7/1.90	15.5	336	158	494	4565	0.2374
120/70	122.0	71.3	193.3	12/3.6	7/3.60	18.0	337	564	901	10000	0.2364
125/30	127.9	29.8	157.7	30/2.33	7/2.33	16.3	353	238	591	5760	0.2259
150/25	148.9	24.2	173.1	26/2.70	7/2.10	17.1	411	194	605	5525	0.1939
170/40	171.8	40.1	211.9	30/2.70	7/2.70	18.9	475	319	794	7675	0.1682
185/30	183.8	29.8	213.6	26/3.00	7/2.33	19.0	507	239	746	6620	0.1571
210/35	209.1	34.1	243.2	36/3.20	7/2.49	20.3	577	273	850	7490	0.1380
210/50	212.1	49.5	261.6	30/3.00	7/3.00	21.0	587	394	981	9390	0.1362
230/30	230.9	29.8	260.7	24/3.50	7/2.33	21.0	638	239	877	7310	0.1249
240/40	243.0	39.5	282.5	26/3.45	7/2.68	21.9	671	316	987	8640	0.1188
265/35	263.7	34.1	297.8	24/3.74	7/2.49	22.4	728	274	1002	8305	0.1094
300/50	304.3	49.5	353.7	26/3.86	7/3.00	24.5	840	396	1236	1070	0.09487
305/40	304.6	39.5	344.1	54/2.68	7/2.68	24.1	843	317	1160	9940	0.09490
340/30	339.3	29.8	369.1	48/3.00	7/2.33	25.0	938	242	1180	9290	0.08509
380/50	382.0	49.5	431.5	54/3.00	7/3.00	27.0	1056	397	1453	12310	0.08509
385/35	386.0	34.1	420.1	48/3.20	7/2.49	26.7	1067	277	1344	10480	0.07573
435/55	434.03	59.3	490.6	54/3.20	7/3.20	28.8	1203	450	165	13645	0.07478
450/40	448.7	39.5	488.2	48/3.45	7/2.68	28.7	1241	320	1561	12075	0.06656
490/65	490.3	63.6	553.9	54/3.40	7/3.40	30.6	1356	510	1866	15310	0.06434
495/35	494.1	34.1	528.2	45/3.74	7/2.49	29.9	1363	283	1640	12180	0.05846
510/45	510.2	45.3	555.5	48/3.86	7/2.87	30.7	1413	365	1778	13665	0.05655
510/45	510.2	45.3	555.5	48/3.86	7/2.87	30.7	1413	365	1778	13665	0.05655
550/70	550.0	71.3	621.3	54/3.60	7/3.60	32.4	1520	572	2092	17060	0.05259
560/50	561.7	49.5	611.2	48/3.86	7/3.00	32.2	1553	401	1954	14895	0.05140
570/40	565.8	39.5	610.3	45/4.02	7/2.68	32.2	1563	325	1888	13900	0.05108
650/45	698.8	45.3	653.49	45/4.30	7/2.87	34.4	1791	372	2163	15552	0.0442
680/85	678.8	86.0	764.8	54/4.00	19/2.40	36.0	1868	702	2570	21040	0.04260
1045/45	1045.58	45.3	1090.9	72/4.30	7/2.87	43.0	2879	370	3249	21787	0.0277