



• Application

ACSR conductors are widely used for electrical power transmission over long distances due to their high strength and efficient electrical conductivity. Specific applications include:
 Long-Distance Transmission: Ideal for overhead power lines spanning long distances, reducing the number of support structures needed.

High-Tension Lines: Suitable for high-voltage transmission, where mechanical strength and minimal sag are crucial.

Messenger Cable: Used as a messenger for supporting overhead electrical cables, providing both mechanical support and electrical continuity.

• Advantages

High Tensile Strength: The steel core provides exceptional tensile strength, allowing for longer spans between support structures and better performance under heavy wind or ice loading conditions.

Excellent Conductivity: The aluminum outer layers ensure high electrical conductivity, making ACSR suitable for efficient power transmission.

Corrosion Resistance: The galvanized steel core and aluminum wires offer good resistance to corrosion, extending the conductor's service life.

Reduced Sag: The combination of aluminum and steel minimizes sag, ensuring stable and reliable transmission line performance.

Versatility: Suitable for a variety of environmental conditions and capable of supporting both high and low voltage lines.

• Construction

ACSR (Aluminum Conductor Steel Reinforced) consists of an outer layer of aluminum wires concentrically stranded around a central core of galvanized steel wires, either solid or stranded. This combination of materials provides both high conductivity and increased tensile strength, making ACSR an ideal choice for long-span overhead transmission lines.

• 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.

Nominal Cross Section Area	Calculated Cross Section Area	No. of Wires		Wire Diameter		Diameter		Max. Resistance at 20°C	Rated Strengt	Nominal Weight		
		Al.	Steel	Al.	Steel	Core	Conductor			Al.	Steel	Total
mm ²	mm ²			mm	mm	mm	mm	Ω/km	N	kg/km	kg/km	kg/km
(16/2,7)	16/2,69	6	1	1.85	1.85	1.90	5.60	1.782	6220	44	21	65
(25/4,2)	24,9/4,15	6	1	2.30	2.30	2.30	6.90	1.152	9296	68.1	32	100
(35/6,2)	36.9/6,15	6	1	2.80	2.80	2.80	8.40	0.777	13524	100.9	48	149
40/6,7	40/6,7	6	1	2.91	2.91	2.91	8.74	0.717	14400	108.9	52	161
(50/8,0)	48,2/8,04	6	1	3.20	3.20	3.20	9.60	0.595	17112	131.7	63	194
63/10,5	63/10,5	6	1	3.66	3.66	3.66	10.97	0.455	21630	172.3	82	254
(70/11)	68/11,3	6	1	3.80	3.80	3.80	11.40	0.422	24130	185.8	88	274
(70/72)	68,4/72,2	18	19	2.20	2.20	11.00	15.40	0.419	96826	188.3	573	762
(95/16)	95,4/15,9	6	1	4.50	4.50	4.50	13.50	0.301	33369	260.5	124	385
(95/141)	91,2/141	24	37	2.20	2.20	15.40	19.80	0.315	180775	251	1,117	1,368
100/16,7	100/16,7	6	1	4.61	4.61	4.61	13.82	0.287	34333	273.4	130	404
(120/19)	118/18,8	26	7	2.40	1.85	5.60	15.20	0.244	41521	323.7	148	472
(120/27)	114/26,6	30	7	2.20	2.20	6.60	15.40	0.253	49465	313.8	210	523
125/6,9	125/6,9	18	1	2.97	2.97	2.97	14.67	0.230	29167	343.1	54	397
125/20,4	125/20,4	26	7	2.47	1.92	5.77	15.67	0.231	45694	342.8	160	502
(150/19)	148/18,8	24	7	2.80	1.85	5.60	16.80	0.202	46307	406.6	148	555
(150/24)	149/24,2	26	7	2.70	2.10	6.30	7.10	0.204	52279	409.6	191	601
(150/34)	147/34,3	30	7	2.50	2.50	7.50	17.50	0.206	62643	405.2	271	676
160/8,9	160/8,9	18	1	3.36	3.36	3.36	16.82	0.180	36178	439.2	69	508
160/26,1	160/26,1	26	7	2.80	2.18	6.53	17.73	0.180	57689	440.5	206	646
(185/24)	187/24,2	24	7	3.15	2.10	6.30	18.90	0.154	58075	514.7	191	706
(185/29)	181/29	26	7	2.98	2.30	6.90	18.80	0.159	62055	499	229	728
(185/43)	185/43,1	30	7	2.80	2.80	8.40	19.60	0.156	77767	508.3	340	848
(185/128)	187/128	54	37	2.10	2.10	14.70	23.10	0.154	188816	514.7	1,018	1,532
200/11,1	200/11,1	18	1	3.76	3.76	3.76	18.81	0.144	44222	550	87	637
200/32,6	200/32,6	26	7	3.13	2.43	7.30	19.82	0.144	70134	550.5	256	806
(205/27)	205/26,6	24	7	3.30	2.20	6.60	19.80	0.141	63740	564.8	210	774
(240/32)	244/31,7	24	7	3.60	2.40	7.20	21.60	0.118	75050	672.2	249	922
(240/39)	236/38,6	26	7	3.40	2.65	8.00	21.60	0.133	80895	649.6	304	954
(240/56)	211/56,3	30	7	3.20	3.20	9.60	22.40	0.120	98253	663.9	444	1,107
(300/39)	301/38,6	24	7	4.00	2.65	8.00	24.00	0.096	90574	829.9	304	1,134
(300/48)	295/47,8	26	7	3.80	2.95	8.90	24.10	0.098	100623	811.4	377	1,188
(300/66)	288,5/65,8	30	19	3.50	2.10	10.50	24.50	0.100	117520	794.2	523	1,317
(300/67)	288,5/67,3	30	7	3.50	3.50	10.50	24.50	0.100	126270	794.2	531	1,325
(300/204)	298/204	54	37	2.65	2.65	18.60	29.20	0.087	284579	819.5	1,620	2,440
315/21,8	315/21,8	45	7	2.99	1.99	5.97	23.83	0.092	79030	869.4	172	1,041
315/51,3	315/51,3	26	7	3.93	3.05	9.16	24.87	0.092	106834	867.8	403	1,271
(330/30)	335/29,1	48	7	2.98	2.30	6.90	24.80	0.086	88848	921.2	229	1,150
(330/43)	332/43,1	54	7	2.80	2.80	8.40	25.20	0.087	103784	914.9	340	1,255
400/27,7	400/27,7	45	7	3.36	2.21	6.73	26.91	0.072	983.56	1097.9	212	1,309