



• Application

ACSR, short for aluminum conductor steel reinforced, represents a type of bare wire devoid of a sheath. These conductors are ingeniously designed with a steel core enveloped by pure aluminum, enhancing their structural integrity to withstand the inherent weight.

Widely employed in overhead transmission and distribution lines spanning various voltage levels, ACSR conductors are prized for their reliability and remarkable strength-to-weight ratio. They find suitability across practical spans of timber poles, transmission towers, and assorted structures.

• Advantages

ACSR boasts a straightforward structure, offering cost-effective solutions for line construction, ease of installation, and maintenance. With ample transmission capacity, ACSR facilitates convenient deployment across challenging terrains such as rivers and valleys. Moreover, these conductors exhibit commendable electrical conductivity coupled with robust mechanical strength, enabling them to endure high tensile stresses and allowing for the expansion of distances between tower poles.

• Construction

ACSR is meticulously crafted as a concentrically stranded conductor, featuring one or more layers of hard-drawn EC grade aluminum wires encircling a robust, high-strength coated steel core. This construction methodology ensures optimal performance and longevity, making ACSR a preferred choice for a myriad of electrical transmission applications.

• Specifications

-CAN/CSA-C49 Canadian 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

Code Name	Size	Cross Section Area		Steel Ratio	Stranding Wires				Nominal Diameter		Nominal Weight	Rated Strength	Max.D.C. Resistance at 20°C
	AWG	Alum. mm²	Total mm²		%	Aluminum Wire		Steel Wire		Core mm			
				No.		Dia. mm	No.	Dia. mm					
Wren	8	9.37	9.76	17	6	1.33	1	1.33	1.33	3.99	33.8	3.29	3.430
Warbler	7	10.55	12.32	17	6	1.50	1	1.50	1.50	4.50	42.8	4.14	2.720
Turkey	6	13.30	15.51	17	6	1.68	1	1.68	1.68	5.04	53.8	5.19	2.158
Thrush	5	16.77	19.57	17	6	1.89	1	1.89	1.89	5.67	67.9	6.56	1.711
Swan	4	21.15	24.68	17	6	2.12	1	2.12	2.12	6.36	085.6	8.15	1.357
Swallow	3	26.66	31.11	17	6	2.38	1	2.38	2.38	7.14	107.9	10.0	1.076
Sparrow	2	33.63	39.22	17	6	2.67	1	2.67	2.67	8.01	136.0	12.4	0.8534
Robin	1	42.41	49.48	17	6	3.00	1	3.00	3.00	9.00	171.6	15.3	0.6766
Raven	1/0	53.51	62.43	17	6	3.37	1	3.37	3.37	10.11	216.5	18.9	0.5363
Quail	2/0	67.44	78.67	17	6	3.78	1	3.78	3.78	11.34	273	23.5	0.4255
Pigeon	3/0	85.03	99.21	17	6	4.25	1	4.25	4.25	12.75	344	29.6	0.3375
Penguin	4/0	107.2	125.1	17	6	4.77	1	4.77	4.77	14.31	434	37.3	0.2676
Patridge	266.8	135.2	157.2	16	26	2.57	7	2.00	6.00	16.28	546	50.0	0.2136
Owl	266.8	135.2	152.8	13	6	5.36	7	1.79	5.37	16.09	509	42.3	0.2123
Waxwing	226.8	135.2	142.7	6	18	3.09	1	3.09	3.09	15.45	431	31.2	0.2130
Piper	300	152.0	187.5	23	30	2.54	7	2.54	7.62	17.78	698	67.8	0.1898
Qstrich	300	152.0	176.7	16	26	2.73	7	2.12	6.36	17.28	614	56.3	0.1900
Phoebe	300	152.0	160.5	6	18	3.28	1	3.28	3.28	16.40	485	35.2	0.1895
Oriole	336.4	170.5	210.2	23	30	2.69	7	2.69	8.07	18.83	783	76.0	0.1693
Linnet	336.4	170.5	198.3	16	26	2.89	7	2.25	6.75	8.31	689	62.4	0.1694
Merlin	336.4	170.5	179.9	6	18	3.47	1	3.47	3.47	17.35	522	39.3	0.1690
Lark	397.5	201.4	248.3	23	30	2.92	7	2.92	8.76	20.44	924	88.6	0.1433
Ibis	397.5	201.4	234.1	16	26	3.14	7	2.44	7.32	19.88	813	71.5	0.1434
Chickadee	397.5	201.4	212.6	6	18	3.77	1	3.77	3.77	18.85	642	45.4	0.1430
Hen	477	241.7	298.0	23	30	3.20	7	3.20	9.60	22.40	1109	103	0.1194
Hawk	477	241.7	281.2	16	26	3.44	7	2.68	8.04	21.80	977	86.1	0.1195
Toucan	477	241.7	265.5	10	22	3.74	7	2.08	6.24	21.20	854	68.9	0.1193
Pelican	477	241.7	255.1	6	18	4.13	1	4.13	4.13	20.65	771	54.5	0.1192
Heron	500	253.4	312.5	23	30	3.28	7	3.28	9.84	22.96	1163	108	0.1139
Eagle	556.5	282.0	347.8	23	30	3.46	7	3.46	10.38	24.22	1295	120	0.1023
Dove	556.5	282.0	327.9	16	26	3.72	7	2.89	8.67	23.55	1139	100	0.1024
Sapsucker	556.5	282.0	309.6	10	22	4.04	7	2.24	6.72	22.88	995	78.8	0.1023
Duck	605	306.6	346.3	13	54	2.69	7	2.69	8.07	24.21	1160	101	0.09435
-	605	306.6	336.7	10	22	4.21	7	2.34	7.02	23.86	1082	84.8	0.09408
Egret	636	322.3	395.8	23	30	3.70	19	2.22	11.10	25.90	1469	141	0.08955

● Technical Parameters

Code Name	Size MCM	Cross Section Area		Steel Ratio %	Stranding Wires				Nominal Diameter		Nominal Weight kg/km	Rated Strength kN	Max.D.C. Resistance at 20°C Q/km
		Alum. mm ²	Total mm ²		Aluminum Wire No. -	Dia. mm	Steel Wire No. -	Dia. mm	Core mm	Conductor mm			
Grosbeak	636	322.3	374.8	16	26	3.97	7	3.09	9.27	25.15	1302	111	0.08960
Goose	636	322.3	364.1	13	54	2.76	7	2.76	8.28	24.84	1220	104	0.08975
Goldfinch	636	322.3	353.9	10	22	4.32	7	2.4	7.2	24.48	1138	89.3	0.08949
Gull	666.6	337.8	381.5	13	54	2.82	7	2.82	8.46	25.38	1278	109	0.08563
-	666.6	337.8	355.2	5	42	3.20	7	1.78	5.34	24.54	1070	77.8	0.08552
Redwing	715.5	362.6	445.0	23	30	3.92	19	2.35	11.75	27.43	1650	154.0	0.07960
Starling	715.5	362.6	421.3	16	26	4.21	7	3.27	9.81	26.65	1463	124	0.07964
Crow	715.5	362.6	409.4	13	54	2.92	7	2.92	8.76	26.28	1370	117	0.07978
-	715.5	362.6	381.2	5	42	3.32	7	1.84	5.52	25.44	1148	83.6	0.07968
Mallard	795	402.8	494.6	23	30	4.13	19	2.48	12.40	28.92	1835	171	0.07164
Drake	795	402.8	468.3	16	26	4.44	7	3.45	10.35	28.11	1626	138	0.07168
Condor	795	402.8	455.0	13	54	3.08	7	3.08	9.24	27.72	1524	126	0.07180
Macaw	795	402.8	423.5	5	42	3.49	7	1.94	5.82	26.76	1276	92.5	0.07171
Crane	874.5	443.1	500.5	13	54	3.23	7	3.23	9.69	29.07	1676	138	0.06527
-	874.5	443.1	466.0	5	42	3.67	7	2.04	6.12	28.14	1404	102	0.06519
Canary	900	456.0	515.2	13	54	3.28	7	3.28	9.84	29.52	1726	143	0.06342
-	900	456.0	479.6	5	42	3.72	7	2.07	6.21	28.53	1554	105	0.06334
Cardinal	954	483.4	546.2	13	54	3.38	7	3.38	10.14	30.42	1830	151	0.05983
Phoneix	954	483.4	508.3	5	42	3.83	7	2.13	6.39	29.37	1532	109	0.05976
Curlew	1033.5	523.7	591.4	13	54	3.51	7	3.51	10.53	31.59	1980	163	0.05523
Snowbird	1033.5	523.7	550.5	5	42	3.98	7	2.21	6.63	30.51	1658	118	0.05516
Finch	1113	564.0	635.5	13	54	3.65	19	2.19	10.95	32.85	2124	180	0.05129
Beaumont	1113	564.0	692.8	5	42	4.13	7	2.29	6.87	31.65	1785	126	0.05122
Grackle	1192.5	604.3	680.5	13	54	3.77	19	2.26	11.30	33.92	2272	188	0.04784
-	1192.5	604.3	635.4	5	42	4.28	7	2.38	7.14	32.82	1915	135	0.04781
Phrasant	1272	644.5	726.2	13	54	3.90	19	2.34	11.70	35.10	2427	200	0.04487
Scissortail	1272	644.5	677.8	5	42	4.42	7	2.46	7.38	33.90	2043	144	0.04482
Martin	1351.5	684.8	771.5	13	54	4.02	19	2.41	12.05	36.17	2577	212	0.04223
-	1351.5	684.8	720.0	5	42	4.56	7	2.53	7.59	34.95	2169	153	0.04218
Plovrr	1431	725.1	816.9	13	54	4.13	19	2.48	12.40	37.18	2729	224	0.03989
-	1431	725.1	762.6	5	42	4.69	7	2.61	7.83	35.97	2298	162	0.03984
Parrot	1510.5	765.4	862.4	13	54	4.25	19	2.55	12.75	38.25	2882	237	0.03779
-	1510.5	765.4	804.9	5	42	4.82	7	2.68	8.04	36.96	2425	171	0.03774
Falcon	1590	805.7	908.1	13	54	4.36	19	2.62	13.10	39.26	3036	250	0.03590
-	1590	805.7	876.5	9	48	4.62	7	3.59	10.77	38.49	2783	211	0.03586
-	1590	805.7	840.3	4	72	3.77	7	2.51	7.53	37.69	2501	172	0.03590