



• Application

ACSR/AW cables find extensive application in overhead transmission and distribution lines, as well as electrified railway systems. Additionally, they serve as neutral messengers for low voltage multiplex cables, offering versatility across various electrical infrastructure projects.

• Advantages

ACSR/AW boasts an excellent strength-to-weight ratio, making it capable of withstanding oscillation and high tensile loads. Its superior electric performance, coupled with anti-corrosion properties, ensures reliable operation even in challenging environments. Moreover, ACSR/AW exhibits a prolonged service life, providing long-term durability and cost-effectiveness for infrastructure projects.

• Construction

Constructed with aluminum 1350 H-19 wires, ACSR/AW features a concentric stranding arrangement around an aluminum-clad steel core wire (AW). This construction design enhances the cable's mechanical strength while optimizing its electrical conductivity, contributing to its overall performance and reliability in diverse applications.

• Specifications

- ASTM B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- ASTM B-231 Aluminum Conductors, Concentric-lay-stranded
- ASTM B-232 Aluminum Conductors, Concentric-lay-stranded, Coated Steel Reinforced (ACSR)
- ASTM B-502 Aluminum-clad Steel Core Wire for Aluminum Conductors, Aluminum-clad Steel Reinforced
- ASTM B-549 Aluminum Conductors Concentric-lay-stranded, Aluminum-clad Steel Reinforced (ACSR/AW)

• 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	Nominal Cross Section Area				No./Dia.of Stranding Wires		Nominal Overall Dia.	Nominal Weight			Max. Breaking Load	Max.D.C. Resistance at 20°C
	Aluminum		AW.	Total	Aluminum	AW.		Aluminum	AW.	Total		
-	AWG or MGM	mm²	mm²	mm²	No./mm	No./mm	mm	kg/km	kg/km	kg/km	kN	Ω/km
Swanate	4	21.16	5.35	26.51	7/1.96	1/2.61	6.53	58.0	35	93	10.16	1.2490
Sparrow	2	33.61	5.61	39.22	6/2.67	1/2.67	8.01	92.0	37	129	12.31	0.8079
Sparate	2	33.61	8.52	42.13	7/2.47	1/3.30	8.24	92.0	56	148	15.60	0.7861
Robin	1	42.39	7.1	49.49	6/3.00	1/3.00	9.00	116	47	163	15.34	0.6404
Raven	1/0	53.48	8.9	62.38	6/3.37	1/3.37	10.11	147	59	206	18.78	0.5078
Quail	2/0	67.42	11.23	78.65	6/3.78	1/3.78	11.34	185	74	259	22.85	0.4028
Pigeon	3/0	85.03	14.19	99.22	6/4.25	1/4.25	12.75	233	94	327	26.03	0.3193
Penguin	4/0	107.23	17.87	125.10	6/4.77	1/4.77	14.31	294	118	412	34.15	0.2532
Waxwing	266.8	135.16	7.48	142.64	18/3.09	1/3.09	15.45	373	49	422	30.03	0.2094
Merlin	336.4	170.45	9.48	179.93	18/3.47	1/3.47	17.35	470	62	532	37.66	0.1660
Linnet	336.4	170.45	21.81	198.26	36/2.89	7/2.25	18.31	472	184	656	59.95	0.1610
Qriole	336.4	170.45	39.81	210.26	30/2.69	7/2.69	18.83	473	264	737	74.66	0.1578
Chickadee	397.5	201.42	11.16	212.58	18/3.77	1/3.77	18.85	555	74	629	43.62	0.1405
Ibis	397.5	201.42	32.77	234.19	26/3.14	7/2.44	19.88	558	217	775	69.80	0.1363
Lark	397.5	201.42	46.97	248.39	30/2.92	7/2.92	20.44	560	311	871	87.19	0.1335
Pelican	477	241.68	13.42	255.10	18/4.14	1/4.14	20.70	666	88	754	50.86	0.1171
Flicker	477	241.68	31.29	272.97	24/3.58	7/2.39	21.49	670	207	877	74.35	0.1148
Hawk	477	241.68	39.42	281.10	26/3.44	7/2.67	21.80	670	261	931	83.87	0.1136
Hen	477	241.68	56.39	298.07	30/3.20	7/3.20	22.40	671	373	1044	103.53	0.1113
Osprey	556.5	282.00	15.68	297.68	18/4.47	1/4.47	22.35	777	103	880	58.73	0.1003
Parakeet	556.5	282.00	36.58	318.58	24/3.87	7/2.58	23.22	781	242	1023	85.64	0.0984
Dove	556.5	282.00	45.94	327.94	26/3.72	7/2.89	23.55	781	304	1085	97.60	0.0973
Eagle	556.5	282.00	65.81	347.81	30/3.46	7/3.46	24.21	783	436	1219	118.96	0.0954
Peacock	605	306.58	39.74	346.32	24/4.03	7/2.69	24.20	840	263	1112	93.08	0.0905
Squab	605	306.58	49.94	356.52	26/3.87	7/3.01	24.51	850	330	1180	104.89	0.0995
Wood Duck	605	306.58	71.55	378.13	30/3.61	7/3.61	25.25	851	474	1325	126.53	0.0877
Kingbird	636	322.26	17.90	340.16	18/4.78	1/4.78	23.88	889	118	1007	66.64	0.0878
Rook	636	322.26	41.81	364.07	24/4.14	7/2.76	24.84	893	277	1170	97.88	0.0861
Grosbeak	636	322.26	52.45	374.71	26/3.97	7/3.09	25.15	893	347	1240	110.21	0.0852
Scoter	636	322.26	75.222	397.48	30/3.70	7/3.70	25.88	895	498	1393	130.29	0.0834
Swift	636	322.26	8.96	331.22	36/3.38	1/3.38	23.62	888	59	947	68.36	0.0886
Flamingo	666.6	337.74	43.81	381.55	24/4.23	7/2.82	25.40	936	290	1226	102.57	0.0821
Gannet	666.6	337.74	55.03	392.77	26/4.07	7/3.16	25.76	936	364	1300	115.57	0.0813
Stilt	715.5	362.58	46.97	409.55	24/4.39	7/2.92	26.31	1005	311	1316	110.04	0.0765
Starling	715.5	262.58	59.03	421.61	26/4.21	7/3.28	26.68	1005	391	1396	122.35	0.0757
Redwing	715.5	362.58	82.58	445.16	30/3.92	19/2.35	27.43	1006	547	1553	148.31	0.0743

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	Aluminum	AW.	Total	Aluminum	AW.	Aluminum		AW.	Total			
-	AWG or MGM	mm²	mm²	mm²	No./mm	No./mm	mm	kg/km	kg/km	kg/km	kN	Ω/km
Tern	795	402.84	27.87	430.71	45/3.38	7/2.25	27.03	1116	184	1300	95.44	0.0702
Condor	795	402.84	52.19	456.03	54/3.08	7.3.08	27.72	1116	345	1461	122.77	0.0689
Cuckoo	795	402.84	52.19	456.03	24/4.62	7/3.08	27.74	1116	345	1461	122.77	0.0689
Drake	795	402.84	65.61	468.45	26/4.44	7/3.45	28.11	1116	434	1550	135.96	0.0681
Coot	795	402.84	11.16	414.00	36/3.77	1/3.77	26.41	1110	74	1184	74.09	0.0709
Mallard	795	402.84	91.87	494.71	30/4.14	19/2.48	28.96	1119	609	1728	164.91	0.0669
Ruddy	900	456.06	31.54	487.60	45/3.59	7/2.40	28.73	1263	209	1472	107.09	0.0620
Canary	900	456.06	59.10	515.16	54/3.28	7/3.28	29.52	1263	391	1554	137.34	0.0608
Rail	954	483.42	33.42	516.84	45/3.70	7/2.47	29.61	1339	221	1560	113.28	0.0585
Catbird	954	483.42	13.42	496.84	36/4.14	1/4.14	28.95	1333	88	1421	86.36	0.0591
Cardinal	954	483.42	62.65	546.07	54/3.38	7/3.38	30.42	1339	414	1753	145.59	0.0574
Ortlan	1033.5	523.68	36.19	559.87	45/3.85	7/2.57	30.81	1451	239	1690	120.55	0.0540
Tanager	1033.5	523.68	14.51	538.19	36/4.30	1/4.30	30.12	1443	96	1539	93.52	0.0545
Curlew	1033.5	523.68	67.87	591.55	54/3.52	7/3.52	31.66	1451	449	1900	155.16	0.0530
Bluejay	1113	563.93	39.03	602.96	45/4.00	7/2.66	31.86	1563	258	1821	129.88	0.0502
Bunting	1192.5	604.26	41.55	654.81	45/4.14	7/2.76	33.12	1674	275	1949	138.86	0.0468
Grackle	1192.5	604.26	76.58	680.84	54/3.77	19/2.27	33.97	1682	508	2190	179.00	0.0462
Bittern	1272	644.51	44.52	689.03	45/4.27	7/2.85	34.17	1785	295	2080	148.34	0.0439
Pheasant	1272	644.51	81.68	726.19	54/3.90	19/2.34	35.10	1795	541	2335	188.43	0.0433
Skylark	1272	644.51	17.87	662.38	36/4.78	1/4.78	33.42	1777	118	1895	113.94	0.0443
Dipper	1351.5	684.84	47.10	731.94	45/4.40	7/2.92	35.16	1908	312	2210	157.39	0.0413
Martin	1351.5	684.84	88.71	771.55	54/4.02	19/2.41	36.17	1906	575	2481	200.13	0.0407
Bobolink	1431	725.10	50.32	775.42	45/4.53	7/3.02	36.24	2019	333	2342	167.16	0.0380
Plover	1431	725.10	91.87	816.97	54/4.14	19/2.48	37.24	2019	609	2628	211.97	0.0385
Nuthatch	1510.5	765.35	52.90	818.25	45/4.65	7/3.10	37.20	2120	350	2470	176.19	0.0370
Parrot	1510.5	765.35	96.84	862.19	54/4.25	19/2.55	38.25	2131	642	2773	223.59	0.0364
Lapwing	1590	805.68	55.48	861.16	45/4.77	7/3.18	38.16	2232	367	2599	185.24	0.0351
Falcon	1590	805.68	102.13	907.81	54/4.36	19/2.62	39.26	2243	377	2920	235.58	0.0345
Grouse	80	40.54	14.13	54.87	8/2.54	1/4.242	9.32	111	93	204	21.70	0.0358
Petrel	101.6	51.58	30.08	81.66	12/2.339	7/2.339	11.70	141	201	342	44.00	0.04587
Minorca	110.8	56.14	32.76	88.90	12/2.441	7/2.441	12.20	154	219	373	47.92	0.04306
Leghorn	134.6	62.80	39.78	102.58	12/2.69	7/2.69	13.45	187	266	453	57.80	0.3535
Guinea	159.0	80.57	47.00	127.57	12/2.924	7/2.924	14.62	221	314	535	57.98	0.3
Dotterel	176.9	89.64	52.29	141.93	12/3.084	7/3.084	15.42	246	349	595	75.20	0.2697
Dorking	190.8	96.68	56.4	153.08	12/3.203	7/3.203	16.01	265	377	642	81.11	0.25
Brahma	203.2	103.00	91.93	184.93	16/2.863	19/2.482	18.13	283	617	900	120.46	0.216
Cochin	211.3	107.1	62.47	169.57	12/3.371	7/3.371	16.85	294	617	711	88.06	0.2257