



• Application

Stranded 1350-H19 aluminum conductors are used in overhead electrical power transmission and distribution lines spanning various voltage grades. AAC conductors, also known as aluminum stranded conductors, adhere to the CAN/CSA-C49 standard, specifying their electrical and mechanical characteristics for use in overhead electrical stranded conductors. Additionally, compact stranded conductors are available for use in bare overhead applications or with weather-resistant coverings or insulation.

• Advantages

High Conductivity: AAC conductors offer excellent electrical conductivity, facilitating efficient power transmission.

Excellent Corrosion Resistance: The corrosion-resistant nature of aluminum ensures durability and reliability in various environmental conditions.

Good Economic Practicality: The lightweight design of AAC conductors results in lower costs per unit length, providing economic advantages over other materials.

• Construction

Constructed with aluminum 1350-H19 wires, AAC conductors feature concentric stranding with successive layers having an opposite direction of lay, with the outermost layer being right-handed. This construction design enhances mechanical strength and flexibility, facilitating easy installation and maintenance of overhead power lines.

• Specifications

- CAN/CSA-C60889, designated A1 hard-drawn aluminum
- CAN/CSA-C49 Round Wire Concentric-lay Overhead Electrical Stranded Conductors

• 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	Calculated Cross Section Area	Stranding Wires		Nominal Overall Diameter	Nominal Weight	Rated Strength	Coefficient of Linear Expansion	Max.D.C. Resistance at 20°C
			No.	Diameter					
-	AWG or kcmil	mm ²	-	mm	mm	kg/km	kN	/°C	Ω/km
Peachbell	6	13.30	7	1.56	4.68	36.4	2.6	23×10 ⁻⁶	2.154
Rose	4	21.51	7	1.96	5.88	58.0	4.1	23×10 ⁻⁶	1.354
Lily	3	26.66	7	2.20	6.60	73.1	5.1	23×10 ⁻⁶	1.074
Iris	2	33.63	7	2.47	7.41	92.1	6.2	23×10 ⁻⁶	0.8516
Pansy	1	42.41	7	2.78	8.34	116.2	7.4	23×10 ⁻⁶	0.6752
Poppy	1/0	53.51	7	3.12	9.36	146.6	9.1	23×10 ⁻⁶	0.5351
Aster	2/0	67.44	7	3.50	10.50	184.8	11.4	23×10 ⁻⁶	0.4246
Phlox	3/0	85.03	7	3.93	11.78	233.0	14.0	23×10 ⁻⁶	0.3368
Oxlip	4/0	107.22	7	4.42	13.26	294	17.7	23×10 ⁻⁶	0.2671
Valerian	250	126.68	19	2.91	14.55	349	22.1	23×10 ⁻⁶	0.2271
Daisy	266.8	135.19	7	4.96	14.88	370	22.3	23×10 ⁻⁶	0.2118
Laurel	266.8	135.19	19	3.01	15.05	372	23.0	23×10 ⁻⁶	0.2128
Peony	300	152.01	19	3.19	15.95	419	25.8	23×10 ⁻⁶	0.1893
Tulip	336.4	170.46	19	3.38	16.90	469	29.0	23×10 ⁻⁶	0.1688
Daffodil	350	177.35	19	3.45	17.25	488	30.2	23×10 ⁻⁶	0.1622
Canna	397.5	201.42	19	3.67	18.35	555	34.2	23×10 ⁻⁶	0.1429
-	400	202.68	19	3.69	18.45	558	34.5	23×10 ⁻⁶	0.1420
Goldentuft	450	228.02	19	3.91	19.55	628	37.6	23×10 ⁻⁶	0.1262
Cosmos	477	241.70	19	4.02	20.10	666	39.8	23×10 ⁻⁶	0.1190
Zinnia	500	253.36	19	4.12	20.60	698	41.8	23×10 ⁻⁶	0.1136
-	550	278.69	37	3.10	21.70	769	47.5	23×10 ⁻⁶	0.1035
Dahlia	556.5	281.98	19	4.35	21.75	776	46.6	23×10 ⁻⁶	0.1020
Meadowsweet	600	304.03	37	3.23	22.61	839	51.5	23×10 ⁻⁶	0.09486
Orchid	636	322.27	37	3.33	23.31	890	54.8	23×10 ⁻⁶	0.08949
Heuchera	650	329.36	37	3.37	23.59	909	56.1	23×10 ⁻⁶	0.08757
Werbena	700	354.70	37	3.49	24.43	979	60.2	23×10 ⁻⁶	0.08131
Violet	715.5	362.55	37	3.53	24.71	1001	61.6	23×10 ⁻⁶	0.07955
Petunia	750	380.03	37	3.62	25.34	1049	64.7	23×10 ⁻⁶	0.07589
Arbutus	795	402.83	37	3.72	26.04	1112	68.4	23×10 ⁻⁶	0.07160
-	800	405.37	37	3.73	26.11	1119	68.7	23×10 ⁻⁶	0.07115
Anemone	874.5	443.12	37	3.90	27.30	1223	72.9	23×10 ⁻⁶	0.06509
Cockscomb	900	456.04	37	3.96	27.72	1259	75.2	23×10 ⁻⁶	0.06324
-	927.2	469.82	37	4.02	28.14	1297	77.5	23×10 ⁻⁶	0.06139
Magnolia	954	483.40	37	4.08	28.56	1334	79.8	23×10 ⁻⁶	0.05966
Hawkweed	1000	506.71	37	4.18	29.26	1399	83.8	23×10 ⁻⁶	0.05692
Bluebell	1033.5	523.68	37	4.25	29.75	1445	86.6	23×10 ⁻⁶	0.05507

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-	AWG or kcmil	mm ²	-	mm	mm	kg/km	kN	/°C	Ω/km
-	1100	557.38	61	3.41	30.69	1541	94.7	23×10 ⁻⁶	0.05182
Marigold	1113	563.97	61	3.43	30.87	1559	95.8	23×10 ⁻⁶	0.05121
Hawthorn	1192.5	604.25	61	3.55	31.95	1670	103	23×10 ⁻⁶	0.04780
-	1200	608.05	61	3.56	32.04	1681	103	23×10 ⁻⁶	0.04750
Narcissus	1272	644.54	61	3.67	33.03	1782	110	23×10 ⁻⁶	0.04481
-	1300	658.72	61	3.71	33.39	1821	112	23×10 ⁻⁶	0.04385
Columbine	1351.5	684.82	61	3.78	34.02	1893	113	23×10 ⁻⁶	0.04218
-	1400	709.39	61	3.85	34.65	1961	117	23×10 ⁻⁶	0.04072
Carnation	1431	725.10	61	3.89	35.01	2004	120	23×10 ⁻⁶	0.03983
-	1500	760.07	61	3.98	35.82	2101	125	23×10 ⁻⁶	0.03800
Gladiolus	1510.5	762.72	61	3.99	35.91	2110	123	23×10 ⁻⁶	0.03790
Coropsis	1590	805.67	61	4.10	36.90	2227	133	23×10 ⁻⁶	0.03585
-	1600	810.74	61	4.11	36.99	2241	134	23×10 ⁻⁶	0.03563
-	1700	861.41	61	4.24	38.16	2381	142	23×10 ⁻⁶	0.03353
-	1800	912.08	91	3.57	39.27	2524	155	23×10 ⁻⁶	0.03170
Cowslip	2000	1013.42	91	3.77	41.47	2804	168	23×10 ⁻⁶	0.02853
Sagebrush	2250	1140.10	91	3.99	43.89	3155	188	23×10 ⁻⁶	0.02536
-	2435.6	1234.14	91	4.16	45.76	3415	204	23×10 ⁻⁶	0.02343
Kuoine	2500	1266.78	91	4.21	46.31	3505	209	23×10 ⁻⁶	0.02283
Bitterroot	2750	1393.45	91	4.42	48.62	3856	230	23×10 ⁻⁶	0.02075
-	3000	1520.13	91	4.61	50.71	4207	251	23×10 ⁻⁶	0.01902
-	3007.7	1524.03	91	4.62	50.82	4217	252	23×10 ⁻⁶	0.01897
-	3500	1773.49	91	4.98	54.78	4908	292	23×10 ⁻⁶	0.01630
-	3640	1844.42	91	5.08	55.88	5104	304	23×10 ⁻⁶	0.01568