



• Application

Stranded 1350-H19 aluminum conductors serve as vital components in overhead electrical power transmission and distribution lines spanning various voltage grades. They are categorized into Class A and Class AA, which Class A conductors are well-suited for applications necessitating weather-resistant coverings and enhanced flexibility and Class AA conductors are predominantly utilized as bare conductors in overhead transmission lines, offering robust performance and reliability. Furthermore, compact strand conductors present a versatile option for use in bare overhead applications or in conjunction with weather-resistant coverings or insulation, catering to a wide range of installation scenarios and environmental conditions.

• Advantages

Stranded 1350-H19 aluminum conductors offer several advantages in overhead electrical transmission and distribution systems. Their lightweight construction ensures ease of handling and installation, reducing labor costs and enhancing overall efficiency. The inherent corrosion resistance of aluminum makes these conductors well-suited for outdoor installations, particularly in coastal and high-humidity environments, where protection against environmental degradation is crucial. Additionally, their high electrical conductivity facilitates efficient power transmission over long distances, minimizing energy losses and optimizing system performance.

• Construction

AAC conductors are constructed using aluminum 1350-H19 wires, which are concentrically stranded with successive layers having an opposite direction of lay, with the outermost layer being right-handed. This construction technique ensures uniformity and strength throughout the conductor, enabling it to withstand the rigors of overhead installations while maintaining optimal electrical conductivity.

• Specifications

- ASTM B230 Aluminum 1350-H19 Wires for Electrical Purposes
- ASTM B231 Concentric-Lay-Stranded Aluminum Conductors
- ASTM B400 Compact Round Concentric-Lay-Stranded Aluminum 1350 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	No./Dia.of Single Wires	Nominal Overall Diameter	Nominal Weight	Breaking Load	Coefficient of Linear Expansion	Max.D.C. Resistance at 20°C
-	AWG or MCM	mm ²	mm	mm	kg/km	daN	/°C	Ω/Km
Peachbell	6	13.29	7/1.554	4.67	37	249	23×10 ⁻⁶	2.1692
Rose	4	21.16	7/1.961	5.89	58	396	23×10 ⁻⁶	1.3624
Lris	2	33.61	7/2.474	7.42	93	597	23×10 ⁻⁶	0.8577
Pansy	1	42.39	7/2.776	8.33	117	732	23×10 ⁻⁶	0.6801
Poppy	1/0	53.48	7/3.119	9.36	147	873	23×10 ⁻⁶	0.5390
Aster	2/0	67.42	7/3.503	10.51	186	1100	23×10 ⁻⁶	0.4276
Phlox	3/0	85.03	7/3.932	11.80	234	1347	23×10 ⁻⁶	0.3390
Oxlip	4/0	107.23	7/4.417	13.26	296	1698	23×10 ⁻⁶	0.2688
Valerian	250	126.71	19/2.913	14.57	349	2062	23×10 ⁻⁶	0.2275
Sneezewort	250	126.71	7/4.80	14.4	349	2007	23×10 ⁻⁶	0.2275
Laurel	266.8	135.16	19/3.01	15.05	373	2200	23×10 ⁻⁶	0.2133
Daisy	266.8	135.16	7/4.96	14.9	373	2141	23×10 ⁻⁶	0.2133
Peony	300	152.0	9/3.193	15.97	419	2403	23×10 ⁻⁶	0.1896
Tulip	336.4	170.45	19/3.381	16.91	470	2695	23×10 ⁻⁶	0.1691
Daffodil	350	177.35	19/3.447	17.24	489	2804	23×10 ⁻⁶	0.1625
Canna	397.5	201.42	19/3.673	18.36	555	3184	23×10 ⁻⁶	0.1431
Golaentuft	450	228	19/3.909	19.55	629	3499	23×10 ⁻⁶	0.1264
Syringa	477	241.68	37/2.882	20.19	666	3849	23×10 ⁻⁶	0.1193
Cosmos	477	214.68	19/4.023	20.12	666	3708	23×10 ⁻⁶	0.1193
Hyacinth	500	253.35	37/2.951	20.65	698	4035	23×10 ⁻⁶	0.1138
Zinnia	500	253.35	19/4.12	20.6	698	3888	23×10 ⁻⁶	0.1138
Dahlia	556.5	282	19/4.346	21.73	777	4327	23×10 ⁻⁶	0.1022
Mistketoe	556.5	282	37/3.114	21.79	777	4362	23×10 ⁻⁶	0.1022
Meadowsweet	600	304	37/3.233	22.63	838	4703	23×10 ⁻⁶	0.0948
Orchid	636	322.25	37/3.33	23.31	888	4985	23×10 ⁻⁶	0.0894
Heuchera	650	329.35	37/3.366	23.56	908	5095	23×10 ⁻⁶	0.0875
Flag	700	354.71	61/2.72	24.48	978	5146	23×10 ⁻⁶	0.0813
Verbena	700	354.71	37/3.493	24.45	978	5487	23×10 ⁻⁶	0.0813
Nasturium	715.5	362.58	61/2.75	24.76	1000	5874	23×10 ⁻⁶	0.0795
Violet	715.5	362.85	37/3.533	24.74	1000	5609	23×10 ⁻⁶	0.0795
Cattail	750	380	61/2.817	25.35	1048	5985	23×10 ⁻⁶	0.0759
Petunia	750	380	37/3.617	25.32	1048	5875	23×10 ⁻⁶	0.0759
Lilac	795	402.84	61/2.90	26.11	1111	6345	23×10 ⁻⁶	0.0715

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-	AWG or MCM	mm ²	mm	mm	kg/km	daN	/°C	Ω/Km
Arbutus	795	402.84	37/3.724	26.06	1111	6232	23×10 ⁻⁶	0.0715
Snapdragon	900	456.06	61/3.086	27.78	1257	6978	23×10 ⁻⁶	0.0632
Cockscomb	900	456.06	37/3.962	27.73	1257	6848	23×10 ⁻⁶	0.0632
Goldenrod	954	483.42	61/3.177	28.6	1333	7896	23×10 ⁻⁶	0.0596
Magnolia	954	483.42	37/4.079	28.55	1333	7258	23×10 ⁻⁶	0.0596
Camellia	1000	506.71	61/3.251	29.36	1397	7753	23×10 ⁻⁶	0.0569
Hawkweed	1000	506.71	37/4.176	29.23	1397	7608	23×10 ⁻⁶	0.0569
Larkspur	1033.5	523.68	61/3.307	29.76	1444	8012	23×10 ⁻⁶	0.0550
Bluebeell	1033.5	523.68	37/4.244	29.72	1444	7863	23×10 ⁻⁶	0.0550
Marigold	1113	563.93	61/3.432	30.89	1555	8628	23×10 ⁻⁶	0.0511
Hawthorn	1192.5	604.26	61/3.551	31.05	1666	9245	23×10 ⁻⁶	0.0477
Marcissus	1272	644.51	61/3.668	33.02	1777	9861	23×10 ⁻⁶	0.0477
Columbine	1351.5	684.84	61/3.78	34.01	1888	10478	23×10 ⁻⁶	0.0421
Carnation	1431	725.10	61/3.89	35.03	1999	10768	23×10 ⁻⁶	0.0398
Gladiolus	1510.5	765.35	61/4.00	35.09	2110	11365	23×10 ⁻⁶	0.0376
Coreoposos	1590	805.68	61/4.099	36.51	2221	11964	23×10 ⁻⁶	0.03568
Jessamine	1750	886.71	61/4.302	38.72	2445	13168	23×10 ⁻⁶	0.0325
Cowslip	2000	1013.42	91/3.76	41.40	2791	15300	23×10 ⁻⁶	0.02866
Lupine	2500	1266.67	91/4.21	46.30	3524	18700	23×10 ⁻⁶	0.0230
Trillium	3000	1520.13	127/3.90	50.75	4232	22500	23×10 ⁻⁶	0.0192
Bluebonnet	3500	1773.50	127/4.21	54.80	4985	26200	23×10 ⁻⁶	0.01653