

AWAC

Product Description

Concentric-lay-stranded conductors made from round 1350 H-19 aluminum wires and round aluminum-clad steel core wires.

Application

Aluminum-clad steel wire/aluminum conductors are used as phase conductors to increase span length or clearances, neutral messengers for spacer cables, ground or shield wires, and as self supporting cables.

Product Data

Conductor	Diameter of Conductor Inch	Design of Conductor Aluminum Wires No. Dia.	Design of Conductor Alumoweld Wires No. Dia.	Rated Breaking Load Pounds	Weight (lbs.)/ 1,000 ft.	Weight (lbs.)/Mile	Cross Section Square In.
No. 4 Awg Aluminum Equilivant							
No. 4-6/1	.245	6-.0187	1-.0817	1,783	52.4	276.7	.03671
No. 4-5/2	.261	5-.0871	2-.0817	2,300	69.7	368.0	.04172
No. 4-4/3	.281	4-.0937	3-.0937	4,305	92.4	487.9	.04381
No. 4-3/4	.307	3-.1022	4-.1022	6,325	123.7	653.1	.05737
No. 4-2/5	.340	2-.1133	5-.1133	9,314	169.4	894.4	.07061
No. 3 Awg Aluminum Equilivant							
No. 3-6/1	.275	6-.0918	1-.0918	2,228	66.1	349.0	.04629
No. 3-5/2	.293	5-.0978	2-.0978	3,551	87.8	463.7	.05261
No. 3-4/3	.316	4-.1053	3-.1053	5,397	116.5	615.1	.06092
No. 3-3/4	.344	3-.1147	4-.1147	7,966	155.9	823.2	.07234
No. 3-2/5	.382	2-.1273	5-.1273	11,730	213.5	1,127	.08903
No. 2 Awg Aluminum Equilivant							
No. 2-6/1	.309	6-.1030	1-.1030	2,760	83.3	439.8	.05837
No. 2-5/2	.330	5-.1099	2-.1099	4,336	110.8	585.0	.06634
No. 2-4/3	.355	4-.1182	3-.1182	6,785	146.9	775.6	.07682
No. 2-3/4	.386	3-.1288	4-.1288	9,793	196.6	1,038	.09122
No. 2-2/5	.429	2-.1429	5-.1429	14,060	269.3	1,422	.1123
No. 1 Awg Aluminum Equilivant							
No. 1-6/1	.347	6-.1157	1-.1157	3,450	105.1	554.9	.07362
No. 1-5/2	.370	5-.1234	2-.1234	5,539	139.7	737.6	.08366
No. 1-4/3	.398	4-.1327	3-.1327	8,344	185.3	978.4	.09687
No. 1-3/4	.434	3-.1446	4-.1446	11,740	247.9	1,309	.1150
No. 1-2/5	.482	2-.1605	5-.1605	16,800	339.6	1,793	.1416
No. 1/0 Awg Aluminum Equilivant							
No. 1/0-6/1	.390	6-.1300	1-.1300	4,246	132.6	700.1	.09289
No. 1/0-5/2	.416	5-.1385	2-.1385	6,712	176.1	929.8	.1055
No. 1/0-4/3	.447	4-.1490	3-.1490	10,020	233.5	1,233	.1221
No. 1/0-3/4	.487	3-.1624	4-.1624	14,000	312.6	1,651	.1450
No. 1/0-2/5	.541	2-.1802	5-.1802	20,030	428.0	2,260	.1785
No. 2/0 Awg Aluminum Equilivant							
No. 2/0-6/1	.438	6-.1459	1-.1459	5,135	167.1	882.3	.1171
No. 2/0-5/2	.467	5-.1556	2-.1556	8,040	221.1	1,173	.1330
No. 2/0-4/3	.502	4-.1674	3-.1674	12,000	294.6	1,555	.1541
No. 2/0-3/4	.547	3-.1824	4-.1824	16,750	394.3	2,082	.1829
No. 3/0 Awg Aluminum Equilivant							
No. 3/0-6/1	.492	6-.1639	1-.1639	6,305	210.7	1,112	.1476
No. 3/0-5/2	.524	5-.1747	2-.1747	9,705	280.6	1,482	.1677
No. 3/0-4/3	.564	4-.1800	3-.1880	14,380	371.4	1,961	.1942
No. 4/0 Awg Aluminum Equilivant							
No. 4/0-6/1	.552	6-.1840	1-.1840	7,685	265.7	1,403	.1861
No. 4/0-15/4	.575	15-.1150	4-.1150	10,870	305.4	1,613	.1974

+Available with polyethylene covering (Low density, High density, or XLP).

*Manufactured with pride in DeKalb, IL USA.

Specification Data

ASTM B-549
 ASTM B-230
 ASTM B-502