

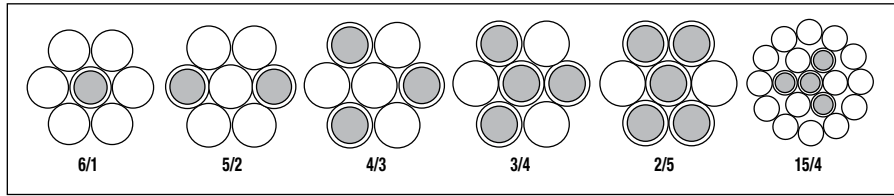
# AWAC Bare Overhead Conductor

Aluminum Conductor, Aluminum-Clad Steel-Reinforced Concentric-Lay-Stranded

**Product Construction:**

**Complete Conductor:**

Aluminum Conductor, Aluminum-Clad Steel-Reinforced conductors are a concentric-lay-stranded construction consisting of a combination of 1350-H19 aluminum and aluminum-clad steel wires. AWAC conductors are manufactured in accordance with the requirements of ASTM Specification B549.



**Features and Benefits:**

Aluminum-clad steel wires offer increased corrosion resistance and higher conductivity versus standard galvanized steel wires.

**Applications:**

AWAC conductors are used as guy wires, shield wires, static wires, overhead ground wires, messengers, span wires, etc.

**AWAC, ALUMINUM CONDUCTOR, ALUMINUM-CLAD, STEEL-REINFORCED, CONCENTRIC-LAY-STRADED**

CONDUCTOR DESIGNATION (SIZE- AL & AL-CLAD)	CROSS-SECTIONAL AREA OF ALUMINUM* (CMIL)	DIAMETER OF AL & AL-CLAD WIRES (INCHES)	TOTAL CROSS-SECTIONAL AREA (SQ. INCH)	OVERALL DIAMETER (INCHES)	APPROXIMATE WEIGHT (LB/KFT)			RATED STRENGTH (LBS)	DC RESISTANCE @ 20°C (OHM/KFT)
					TOTAL	AL WIRE	AL-CLAD STEEL WIRE		
#4-6/1	41740	0.0817	0.0367	0.245	52.3	37.4	14.9	1700	0.4067
#4-5/2	41740	0.0871	0.0471	0.261	69.8	35.3	34.5	2800	0.3993
#4-4/3	41740	0.0937	0.0483	0.281	92.6	32.6	60.0	4200	0.3910
#4-3/4	41740	0.1022	0.0574	0.307	124	29.2	94.7	6100	0.3801
#4-2/5	41740	0.1133	0.0706	0.340	170	23.8	146	9000	0.3648
#3-6/1	52620	0.0918	0.0463	0.275	66.0	47.1	18.9	2100	0.3221
#3-5/2	52620	0.0978	0.0526	0.293	88.0	44.5	43.5	3500	0.3167
#3-4/3	52620	0.1053	0.0609	0.316	117	41.2	75.7	5300	0.3096
#3-3/4	52620	0.1147	0.0723	0.344	156	36.8	119	7700	0.3018
#3-2/5	52620	0.1273	0.0891	0.382	214	30.1	184	11300	0.2889
#2-6/1	66360	0.1030	0.0583	0.309	83.1	59.4	23.7	2600	0.2559
#2-5/2	66360	0.1099	0.0664	0.330	111	56.1	55.1	4400	0.2508
#2-4/3	66360	0.1182	0.0768	0.355	147	51.9	95.4	6600	0.2457
#2-3/4	66360	0.1288	0.0912	0.386	197	46.4	150	9700	0.2393
#2-2/5	66360	0.1429	0.1123	0.429	270	37.8	233	13500	0.2293
#1-6/1	83690	0.1157	0.0736	0.347	105	74.9	30.0	3300	0.2028
#1-5/2	83690	0.1234	0.0837	0.370	140	70.8	69.3	5500	0.1989
#1-4/3	83690	0.1327	0.0968	0.398	186	65.4	120	8100	0.1949
#1-3/4	83690	0.1446	0.1150	0.434	248	58.5	190	11300	0.1899
#1-2/5	83690	0.1605	0.1417	0.482	341	47.7	294	16500	0.1818
1/0-6/1	105600	0.1300	0.0929	0.390	132	94.5	38.0	4100	0.1606
1/0-5/2	105600	0.1385	0.1054	0.416	176	89.2	87.3	6600	0.1579
1/0-4/3	105600	0.1490	0.1220	0.447	234	82.4	152	9700	0.1546
1/0-3/4	105600	0.1624	0.1450	0.487	313	73.7	240	13800	0.1505
1/0-2/5	105600	0.1802	0.1785	0.541	430	60.1	370	19500	0.1442
2/0-6/1	133100	0.1459	0.1170	0.438	167	119	47.7	4900	0.1275
2/0-5/2	133100	0.1556	0.1331	0.467	223	113	110	8000	0.1251
2/0-4/3	133100	0.1674	0.1540	0.502	296	104	191	11800	0.1225
2/0-3/4	133100	0.1824	0.1829	0.547	395	93.1	302	16400	0.1193
3/0-6/1	167800	0.1639	0.1477	0.492	211	150	60.3	6100	0.1010
3/0-5/2	167800	0.1747	0.1678	0.524	281	142	139	9700	0.0993
3/0-4/3	167800	0.1880	0.1943	0.564	373	131	242	14200	0.0971
4/0-6/1	211600	0.1840	0.1861	0.552	265	189	76.0	7400	0.0802
4/0-15/4	211600	0.1150	0.1973	0.575	306	186	120	10800	0.0799

\* = assumes that 25% of the cross sectional area of the AW wire is aluminum.

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.