

## AS Solid Wire (Single Wire)

### Product Description

Individual Aluminum-clad Steel wires for AS/AC (AWAC) and ACSR/AS (AW) cables.

### Application

Aluminum-clad Steel core wire for use in AS/AC (AWAC) and ACSR/AS (AW).

### Specifications

ASTM B502 – Round, single end, Aluminum-clad Steel core wire used in the manufacture of AS/AC (AWAC) and ACSR/AS (AW) cables. Two tensile strengths available, AW2 (Normal Strength) and AW3 (High Strength).



Diameter		Stress at 1.0% extension		Ultimate Tensile Strength		Resistivity at 68° F	Density lb/in <sup>3</sup>
inches	mm	ksi	kg/mm <sup>2</sup>	ksi	kg/mm <sup>2</sup>		
0.0770-0.1289	1.956-3.274	175	123	195	137	51.01 ohm-cmil/ft.	.2381 (6.590g/cm <sup>3</sup> )
0.1290-0.1369	3.275-3.477	170	120	190	134		
0.1370-0.1443	3.478-3.665	165	116	185	130		
0.1444-0.1549	3.666-3.934	160	112	180	127		
0.1550-0.1620	3.935-4.115	160	112	175	123		
0.1621-0.1729	4.116-4.392	155	109	170	120		
0.1730-0.1819	4.393-4.620	150	105	165	116		
0.1820-0.1880	4.621-4.775	145	102	160	112		

**Resistivity:** 51.01 ohm-cmil/ft. at 68°F = 0.08480 ohm-mm<sup>2</sup>/m at 20°C = Conductivity 20.3% IACS at 20°C

**Min. aluminum thickness:** 10% of nominal wire radius