

Alumoweld® Cable BENEFITS

Alumoweld's high strength, excellent conductivity, superior corrosion resistance and compatibility with solid aluminum wire makes AFL's aluminum clad steel products highly desirable as a Static Wire, Guy Wire, or reinforcing material for ACSR conductors (ACSR/AW).

200%

More sustainable, outlasting other materials in harsh corrosive environments including: Aquatic or coastal environments, chemical or industrial plants, rural farming areas, polluted or contaminated atmospheres

8x

Strength compared to solid aluminum wire with comparable corrosion resistance — resulting in lower maintenance and replacement costs

>50

Years of proven performance in the field, Alumoweld continues to outperform the expectations of utility companies in their various applications

3

Advantages compared to steel: 15% lighter, 3x conductivity, 2x life expectancy

25%

Of the Alumoweld's cross sectional is an aluminum coating — allowing greater durability. Thin metal coatings, such as galvanized and aluminized steel, can be damaged to the point of steel exposure by ordinary construction methods



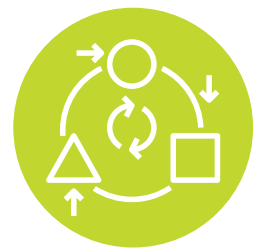
Corrosion Resistance



Proven Performance



**Lower Maintenance
& Replacement Costs**



Versatile

Alumoweld® Cable APPLICATIONS

Conductor Accessories

- Armor Rods
- Components in a Repair Compress Splice
- Formed Wire Hardware

Power Utilities

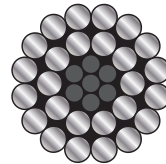


Static Wire



Guy Wire

Spring Manufacturers



Core Wire

*AFL also offers a full line of compatible hardware and accessories for the Alumoweld product.

Example Part Numbers for 7-Strand Alumoweld

ALUMOWELD STRAND ASTM B-416													
AFL NO.	NUMBER & SIZE OF WIRES	NOMINAL WIRE DIAMETER		NOMINAL STRAND DIAMETER		BREAKING LOAD		WEIGHT		RESISTANCE		CROSS SECTION	
		AWG	IN	MM	IN	MM	LB	KG	LB/1000 FT	KG/KM	OHMS/1000 FT@68°F	OHMS/KM@20°C	IN ²
D4.62L7	7 No. 5	0.1819	4.620	0.546	13.90	27,030	12,260	524.90	781.1	0.22640	0.7426	0.18193	117.40
D4.12L7	7 No. 6	0.1620	4.115	0.486	12.40	22,730	10,310	416.30	619.5	0.28030	0.9198	0.14435	93.10
D3.67L7	7 No. 7	0.1443	3.665	0.433	11.00	19,060	8,645	330.00	491.1	0.35350	1.1600	0.11448	73.87
D3.26L7	7 No. 8	0.1285	3.264	0.385	9.78	15,930	7,226	261.80	389.6	0.44580	1.4630	0.09077	58.56
D2.91L7	7 No. 9	0.1144	2.906	0.343	8.71	12,630	5,729	207.60	308.9	0.56210	1.8440	0.07198	46.44
D2.59L7	7 No.10	0.1019	2.588	0.306	7.76	10,020	4,545	164.70	245.1	0.70880	2.3250	0.05708	36.83
D2.30L7	7 No.11	0.0907	2.304	0.272	6.91	7,945	3,604	130.60	194.4	0.89380	2.9320	0.04527	29.21
D2.05L7	7 No.12	0.0808	2.052	0.242	6.16	6,301	2,858	103.60	154.2	1.12700	3.6970	0.03590	23.16

FULL PRODUCT OFFERING AVAILABLE HERE:



AFLglobal.com/Products/Aluminum-Clad-Steel