



**... by the running meter!**

> Anodised Aluminium-Wire

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- > The anodised layer used as a electrical insulator



## Special Features of anodised ANOFOL Aluminium Wire

- > Low Weight (70% lower weight than copper)
- > Very thin oxide layer used as a electrical insulator
- > High filling factor due to the thin oxide layer
- > High Temperatur resistance
- > Corrosion-resistant
- > Connection possibility for instance via crimping, soldering or ultrasonic welding

## Applications

- > Inductive Components (Chokes, transformers)
- > Motor windings
- > HF-Litz Wire
- > Cables

Technical Characteristics	
Alloy	EN AW 1050 & 1070
Elektrical Conductivity	$\geq 34$ MS/m
Wire Diameter	$\geq 0,2$ mm
Anodised layer thickness ( $Al_2O_3$ )	3 – 5 $\mu$ m
Dielectric Strength	$\geq 150$ V AC (DIN EN ISO 2376)
Specific Weight	2,7 kg/dm <sup>3</sup>
Temperature Resistance	500 °C

# Request Your ANOFOL Wire!

> Produced in a continuous endless production process



The very thin anodised layer (3-5µm) offers an insulation resistant to high temperatures with excellent thermal conductivity. Our anodised aluminium wire can be optimal stranded to litz wire in an endless production process.

The significant weight advantage (70% lower weight than copper) as well as the high temperature resistance offers new possibilities in the development and design of electrical components more efficient with possible high cost saving. For instance: motors, inductive components, cables, etc.

In addition we offer complete HF litz wire made of ANOFOL anodised aluminium wire according to your requirements and can Support you with implementing this technology in your production process.

**Information: [www.anofol.de](http://www.anofol.de)**

Subject to technical modifications. DS: ANOFOL-DE.14

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