



## NICKEL CLAD COPPER

Anomet Products is a leader in the production of innovative clad wire products and now offers a line of nickel clad wire and rod materials. Anomet uses a unique process which bonds pure wrought nickel to copper. The result is a complete metallurgical bond between materials, thus allowing full ductility at all diameters. Bending, shaping, stamping, and other types of forming are all possible with Anomet Nickel Clad Copper.



Suitable for any application where high conductivity rod or wire is needed, Anomet Nickel Clad Copper also resists oxidation at elevated temperatures and has all the corrosion resistance of pure nickel. Available from 0.010"  $\phi$  to 1"  $\phi$  in a standard 27% nickel ratio with a conductivity of approximately 70% IACS. With our unique processing, other nickel to copper ratios are also available. Custom configurations may also include the use of nickel alloys and/or alternate brass/bronze/steel based core materials.

Anomet Nickel Clad Copper is available packaged in rods, coils, or spools depending on customer requirements. Anomet also offers complete metallurgical services to insure product quality.

STANDARD SPECIFICATIONS	
<b>COMPOSITION*</b>	
NICKEL (%)	27%
COPPER (%)	73% (Core)
<b>DENSITY</b>	
grams/cc	8.89
lbs/in <sup>3</sup>	0.321
<b>ELECTRICAL RESISTIVITY at 20°C</b>	
$\mu\Omega$ -cm	2.3
$\Omega$ /cir mil-ft	14
<b>ELECTRICAL CONDUCTIVITY (% IACS)</b>	70%
<i>*Custom Ratios Available</i>	



Specialists in Manufacture Of Custom Clad Composites Featuring True Metallurgical Bond. Serves Aerospace, Automotive, Appliance, Corrosion Protection, Electronic & Medical Industries. Wide Range Of Metal Alloy Compositions Available With Virtually Any Ratio Or Thickness Possible. Available In Wire, Rod, Shaped Wire, Strip Wire, Strip Or Woven Mesh Form. Precious Metal Clad Copper, BeCu, Or Phosphor Bronze For Electronic Connectors, Platinum Clad Niobium & Titanium, Copper Cored Stainless Steel 446, 52, 426, Kovar For Glass Sealing, 27% Nickel Clad Copper, Titanium Clad Copper.

[www.anometproducts.com](http://www.anometproducts.com)  
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- Diameter Range:** 0.010"  $\phi$  – 1"  $\phi$
- Available Packaging:** Rods, coils, or spools (specify length)
- Temper:** Annealed through full hard available

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