MicroShield® Copper Alloy Conductor Wire

Introduction

Micro Shield, an alternative to stainless steel shielding, was engineered specifically for high strength coaxial shielding applications. It is a copper-nickel-tin alloy processed for both high strength and long flex life.

Key Attributes

- Strong with tensile strengths in excess of 150,000 psi (1030 MPa or 105 kg/mm squared).
- Highly solderable
- Excellent resistance to corrosive environments.
- Has identical chemical, mechanical and electrical properties to CS-95.

Micro Shield is available bare or electroplated with nickel, silver or tin. And, in ultra-find gauges as single end wires or as multiple wire bobbins. To learn more please contact our sales department.

Fisk Alloy Wire Inc.
P.O. Box 26
10 Thomas Road N.
Hawthorne, NJ 07506 U.S.A.

Phone: (973) 825-8500
Fax: (973) 427-4585
E-mail: sales@fiskalloy.com

Physical Properties

HARD	
Available Platings	Ag, Ni, Sn
Elongation	1%
Tensile	125 ksi
Electrical Conductivity	11% IACS @ 68 °F
Electrical Resistivity	94.3 Ω-cmil/ft @ 68 ºF
Density	0.321 lb/in³
Coefficient of Thermal Resistance	0.00033 per °F
Melting Point (Solidus)	1,940 °F
Melting Point (Liquidus)	2,065 °F

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