

Accurate Wire

Square, flat and custom shaped wire

Accurate Wire was founded in 1988 and acquired by Luvata in 2016. Located in Branford, Connecticut, we specialize in manufacturing square, flat and custom shaped wire available in a wide variety of alloys. Our wire is commonly found in the aerospace, automotive, consumer products, electronics, medical and springs industries.

As a world class manufacturer of precision wire, Accurate Wire utilizes in-line laser measurement and eddy current inspection technologies to ensure defect-free wire. Our Quality Management System is certified to the ISO 9001:2015 Quality Standard.

With annealing, rolling, wire drawing and turkshead know-how, as well as expertise in designing and building our own custom equipment, Accurate Wire continues to be an industry leader in delivering high-quality specialty wires.

Accurate Wire

precision
wire shapes



About Luvata

Luvata is a world leader in metal solutions manufacturing and related engineering services to industries such as renewable energy, automotive, healthcare, and power generation and distribution. The company's continued success is attributed to its longevity, technological excellence and strategy of building partnerships beyond metals. Employing approximately 1,400 staff in 6 countries, Luvata works in partnership with customers such as ABB, CERN, Siemens and Toyota. Luvata is a group company of Mitsubishi Materials Corporation.

Overview

We offer precision layer winding for square and flat wire products to ensure trouble free payoff. Net spool weights range from 5 lb. to 1000 lb. (2.25 kg to 450 kg), depending on customer preference, with other spool dimensions available upon request.

Standard wire alloys and size ranges

Wire	Standard alloys	Size ranges
Square wire	brasses, phosphor-bronzes, copper and high performance copper alloys	0.0100" - 0.0600" (0.254 mm - 1.52 mm)
Flat wire (with natural round, full round or square edge)	brasses, bronzes, copper, stainless steels, carbon steels and aluminum	thickness: 0.001" - 0.125" (0.025 mm - 3.2 mm) width: 0.005" - 0.500" (0.125 mm - 13 mm)
Custom shaped wire	brasses, bronzes, copper, stainless steels, carbon steels and aluminum	contact Accurate Wire

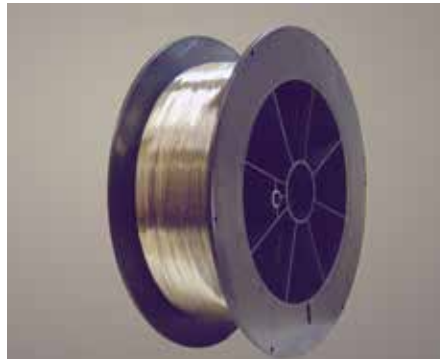
Plating specifications

Material	Thickness (µm)
Nickel (Ni)	0 – 5.0 µm (0 – 200 µin)
Copper (Cu)	0 – 3.8 µm (0 – 150 µin)
Tin (Sn)	0 – 10.0 µm (0 – 400 µin)

Plating options include single and multi-layer.

Orthodontic wire

Accurate Wire also offers precision cold rolled, square-edge orthodontic wire. We stock stainless steel type 304 vacuum melted orthodontic wire in a variety of standard sizes on 20 lb. (9 kg) spools.



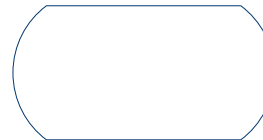
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Square wire

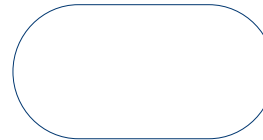


Flat wire



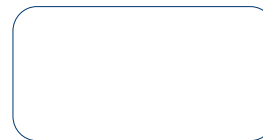
Natural Round Edge

Edge typical of rolled flat wire



Full Round Edge

Requires special tooling



Square Edge

Please specify corner radii

Flat wire edge options

luvata.com

