



FORT WAYNE METALS

Turning knowledge into solutions.®

Precision coatings for critical applications.

We offer advanced coating solutions for precision wire, strands, cables, DFT® wire, and HHS® tube, used in demanding medical devices. Our coatings deliver a range of benefits from electrical insulation, flexibility, chemical resistance, and biocompatibility to enhancing lubricity and surface performance. We offer both dielectric and lubricious coatings, engineered to meet the specific functional requirements of your application. Capabilities include extrusion and liquid enamel coating processes, along with laser ablation, applied across the full range of alloys we manufacture. Because coating is integrated with our wire manufacturing operations, this coordinated approach allows for greater process control, quality oversight, and consistency from development through production.

Dielectric options

Polyimide

Key benefits:

- › Applied in multiple thin layers, directly bonds to the substrate
- › Offers temperature stability through high-temperature sterilization and processing
- › Higher dielectric strength with corrosion resistance

Fluoropolymer

ETFE, Moldflon PTFE, FEP, PFA

Key benefits:

- › Biocompatible dielectric insulation
- › Extrusion-applied insulation with precise concentricity
- › High adhesion resists cracking and peeling

Laser ablation

Laser ablation capabilities allow the selective removal of coating to expose clean, undamaged underlying wire, where electrical contact or bonding is required. This supports complex device designs that require both insulation and precise conductive zones from select locations on a wire.

End uses

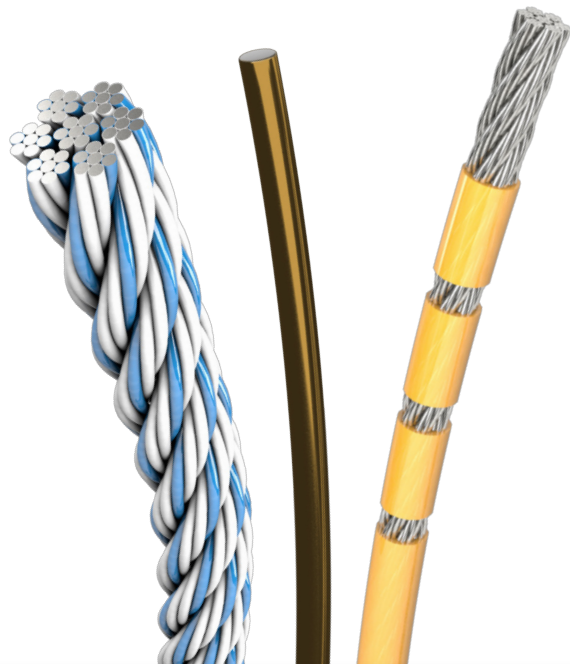
- › Cardiac rhythm management devices
- › Guidewire cores
- › Catheter stylets
- › Mandrels
- › Neurostimulation devices
- › Vascular therapy devices

Lubricious options

DuraSkin™ coating, LubriSkin™ coating

Key benefits:

- › Precision-applied smooth coating that maintains tight tolerances
- › Minimizes friction for improved handling
- › Spool-to-spool application process offers increased precision and consistency



SIZE RANGES

- › **Round wire:** 0.0380 mm to 0.965 mm [0.0015 in to 0.038 in]
- › **Strands and cables:** 0.0380 mm to 1.270 mm [0.0015 in to 0.050 in]

If your application requires specifications beyond those listed, please reach out to your Sales Representative.



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LOCATIONS AROUND THE WORLD

Global Headquarters

Fort Wayne, Indiana, U.S.A.

European Headquarters

Castlebar, Co. Mayo, Ireland

Advanced Materials Development

Columbia City, Indiana, U.S.A.

International Sales Support

Shanghai, China

Augsburg, Germany

Potheri Chennai, India

Savyon, Israel

Kobe, Japan

Seoul, Korea

U.S.A. Sales Support

San Mateo, California

Ridgefield, Connecticut

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