

Laser Ablation

Definition

Laser ablation, or laser wire stripping, is a non-mechanical means to remove the coating from select locations on a given wire substrate. The result will be a clean and undamaged wire that has not been marred by mechanical cutting blades. Laser ablation provides greater flexibility in locating the areas of coating removal which allow for more complex components. Fort Wayne Metals' ablation process will accommodate spooled and cut length materials and will provide discrete lengths ready to use.

Features:

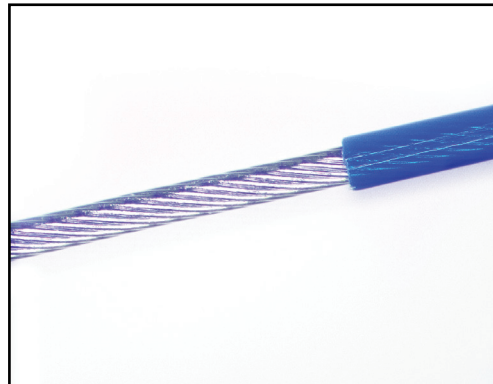
- Tight tolerances
- Precision transition zones
- Discrete lengths
- Processing from a spool or discrete pieces

Applications:

- Cardiac Rhythm Management
- Neurostimulation
- Guidewires
- Electrophysiology
- End Terminations

Lead-Times

Our in-house laser ablation capabilities allow us to offer a more stream-lined manufacturing approach for coated wire and cable needs. Fort Wayne Metals now offers a fully integrated manufacturing option for our customers through utilization of our wire drawing, stranding, coating, and laser ablation.



Wire Types	Sizes	Coating Types	Coating Thickness	Lengths	Ablation Locations	Ablation Lengths
Solid Strand Cable	Min 0.002" (0.05mm)	ETFE PTFE PFA FEP and others	Min 0.0002" (0.005mm)	Max 80" (2.03m)	Beginning End Variable	Min 0.004" (0.102mm)
	Max 0.050" (1.27mm)		Max 0.005" (0.127mm)			Variable lengths on given components

