IWG MiVasive Components Pre-Stripped Wire

Laser ablation, or laser wire stripping, is a non-mechanical and non-chemical method to remove the outer polymer layer or coating from specific locations on a given wire substrate. The result is clean, undamaged wire that has not been damaged by mechanical cutting blades. Or in the case of chemical stripping, eliminates exposing employees to harsh chemicals and eliminates disposal costs.

Many medical device applications require material removal to expose an insulated wire’s underlying metal conductor. Due to the small wire diameter requirement in these devices, manual stripping methods are time consuming, unrepeateable, and produce inferior quality compared to an automated laser stripping machine.

Purchasing pre-stripped wire will increase productivity and reduce labor expenses by eliminating the need to manually remove the wire coating. Therefore, the wire is immediately ready for termination to any electrical component. As a result, valuable processing time can be used for true value added processes that impact the bottom line.

In addition, IWG MiVasive Components has the capability to straighten and cut both pre-stripped and non-stripped wire in discrete lengths. The cut-to-length wires are bundled and packaged in a straight dispenser for easy removal. Individual wires can be removed one piece at a time with kinking or tangling.

Whether your need is insulated wire packaged on a spool or pre-stripped wire straightened and cut-to-length, IWG MiVasive Components can offer a turn-key solution therefore streamlining your total supply chain and reducing overall lead times.

Advantages of laser ablated wire:

- Tighter tolerances on striped and un-stripped sections
- Multiple stripped sections per length
- No mechanical or chemical damage of wire
- Increased productivity
- Higher yields
- Higher quality

Applications:

- Cardiac rhythm management
- Electrophysiology ablation devices
- Radio frequency ablation