SuperCable®
Iso-Elastic™ Polymer Cerclage System

Stronger. Safer. Easier than Metal Cerclage.

A clinically proven polymer cable system providing superior fatigue strength and dynamic compression across healing bone fragments.
This revolutionary polymer cerclage system addresses the limitations of traditional metal cables and wires, which are prone to fretting, fraying and breakage. These metal cable issues can result in loss of fixation, tissue irritation, foreign body migration, increased wear in adjacent joint replacements, and metal toxicity. The sharp ends on implanted metal cables or wires present a hazard for glove tears and sharps injury to the operating surgeon.

The SuperCable system is efficient and simple compared to metal cable systems. It eliminates the need for a number of ancillary implant components required in other systems, and allows for intra-operative retensioning of cables without the need for provisional locking instruments. These features reduce per-case costs and shelf-space requirements.

Sharp ends of metal cables can cut a surgeon’s gloves or fingers, which can lead to pathogen transmission and infection. SuperCable’s flexible polymer design reduces the potential for sharps injury.

The system is designed to overcome the well-established shortcomings of metal cerclage, and is available with complementary trochanteric grips and cable-plates featuring locking screws and standard compression screws.
Superior Fatigue Strength

Features & Benefits

- Fatigue strength superior to metal cables and wire
  - Leads to reduced complications from breakage.
- Elimination of cable-generated metal particle debris
  - As with other metal-on-metal junctions, the individual filaments in a metal cable bundle can wear and fret under normal cyclic loading.
  - Metal debris has been shown to greatly increase wear in adjacent total joints.
  - Metal cable and wire fragments have been shown to migrate throughout the body.
- No sharp cable ends
  - Reduces patient tissue irritation risk.
  - Reduces the risk of “sharps injury” and patient infection due to puncture of surgeon’s gloves.
- “Iso-elasticity”
  - Provides long term dynamic compressive loading across bone fragments.
  - Offers the possibility for better healing and increased construct strength.
- Unique “crimp-less” locking mechanism
  - Cables can be easily re-tightened.
  - Saves OR time.
  - Reduces the number of cables required.
  - Fewer wasted cables.
  - No need for cumbersome provisional locking devices.
- Cables are easy and quick to manipulate within the wound
  - Saves OR time.
- No metal cable contacting metallic implants

Fatigue Strength Testing:
Bottom photo shows cable after one million cycles, loaded at 445 N with direct abrasive contact on a bone plate. The cable exhibits fiber fusion but no fraying or breakage of fibers.16
### Citations related to SuperCable and Cerclage


### SuperCable® Polymer Iso-Elastic™ Cerclage Cables

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer Iso-Elastic™ Cerclage Cable Assembly, 1.5mm (Ti Cable Lock)</td>
<td>35-100-1040</td>
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### SuperCable® Polymer Iso-Elastic™ Cerclage Standard Instruments

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>SuperCable Cerclage Tensioning Instrument, w/ ACME Thread</td>
<td>35-800-2020</td>
</tr>
<tr>
<td>SuperCable Cerclage Cable Passer, 40 mm</td>
<td>35-800-3002</td>
</tr>
<tr>
<td>SuperCable Cerclage Cable Passer, 60 mm</td>
<td>35-800-3102</td>
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<tr>
<td>SuperCable Cerclage Autoclave Case</td>
<td>35-800-4000</td>
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### SuperCable® Polymer Iso-Elastic™ Cerclage Optional Instruments

<table>
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<td>SuperCable Cerclage Tensioning Instrument</td>
<td>35-800-2000</td>
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<tr>
<td>SuperCable Cerclage Tensioning Instrument, w/ 60° Angle</td>
<td>35-800-7000</td>
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<tr>
<td>SuperCable Cerclage, Angled Cable Passer, 40 mm</td>
<td>35-800-3202</td>
</tr>
<tr>
<td>SuperCable Cerclage, Angled Cable Passer, 60 mm</td>
<td>35-800-3302</td>
</tr>
<tr>
<td>SuperCable Tensioner Crank Handle</td>
<td>35-800-2100</td>
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See SuperCable Trochanteric Grip and Cable-Plate brochure (B00159) for additional implant and instrument items.

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**Simple Instrumentation:**

Tensioning instrument allows for precise tightening and locking of cables as well as sequential retensioning of previously placed cables. 17