Citations related to SuperCable and Cerclage

SuperCable® Polymer Iso-Elastic™ Cerclage Cables
SuperCable® Polymer Iso-Elastic™ Cerclage Cables Assembly, 1.5mm (Ti Cable Lock) 35-100-1010
SuperCable® Polymer Iso-Elastic™ Cerclage Standard Instruments
SuperCable Cerclage Tensioning Instrument, w/ ACME Thread 35-800-2020
SuperCable Cerclage Cable Passer, 40 mm 35-800-3000
SuperCable Cerclage Cable Passer, 60 mm 35-800-3100
SuperCable® Polymer Iso-Elastic™ Cerclage Optional Instruments
SuperCable Cerclage Tensioning Instrument, w/ 60° Angle 35-800-3200
SuperCable Cerclage, Angled Cable Passer, 40 mm 35-800-3300
SuperCable Cerclage, Angled Cable Passer, 60 mm 35-800-3400
SuperCable Cerclage, Cable Passer, 1.5mm (Single-Use, Sterile-Packed) 35-400-1010
See SuperCable Trochanteric Grip and Cable-Plate brochure (B00159) for additional implant and instrument items.

Caution: Federal law restricts this device to sale by or on the order of a physician. Prior to use of a Kinamed device, please review the instructions for use and surgical technique for a complete listing of indications, contraindications, warnings, precautions, and directions for use. “Cable made from UHMWPe and Nylon. US Pat. Nos. 6,583,244; 7,027,030; 6,815,967; 9,107,735. Japan Pat. Nos. 4,822,296; 5,285,005; 5,335,005; Europe Pat. Nos. 1,386,040; 1,791,961; 2,452,491. Turkey Pat. Nos. T9751350027T9; T97514504407A. Additions US & World patents pending. © Kinamed® Inc. 2017 B00158 G

SuperCable® Polymer Iso-Elastic™™ Cerclage System
Superior Fatigue Strength
No Metal Particle Generation
Iso-Elastic Compression of Fragments
No Sharps Hazard for Surgeon or Patient

A clinically proven polymer cable system providing superior fatigue strength and dynamic compression across healing bone fragments.
Elaborate a Source of Metal Debris and Sharps Hazard

“Next Generation” Cerclage

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.[2-14] The sharp ends on implanted metal cables or wires present a hazard for glove tears and sharps injury to the operating surgeon.[15]

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.

SuperCable® Iso-Elastic™ Polymer Cerclage System

- 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.
- 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

Versatile

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 with Agilock® Technology, and standard compression screws.

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.

Eliminate a Source of Metal Debris and Sharps Hazard

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.

Superior Fatigue Strength

Features & Benefits

- Fatigue strength superior to metal cables and wire
- Elimination of cable-generated metal particle debris
- No sharp cable ends
- “Iso-elasticity”
- Unique “crimp-less” locking mechanism
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**SuperCable**® Iso-Elastic™ Polymer Cerclage System

Eliminate a Source of Metal Debris and Sharps Hazard

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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.7-14 The sharp ends on implanted metal cables or wires present a hazard for glove tears and sharps injury to the operating surgeon.15

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**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

**Superior Fatigue Strength**

- 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.
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SuperCable® Polymer Iso-Elastic™ Cerclage Cables

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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

SuperCable® Polymer Iso-Elastic™ Cerclage Cables

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SuperCable® Polymer Iso-Elastic™ Cerclage

Quality Care. Clinically Proven.