



**Cable Solutions™
for Medical Products**

Precision Cable Assemblies

Miniature and Small Cables

Fittings and Hardware

www.savacable.com/medical



Carl Stahl Sava Industries...

Your Cable Resource with the Capability and Experience to Meet the Demands of Today's Medical Product Designers

Years of Industry Experience

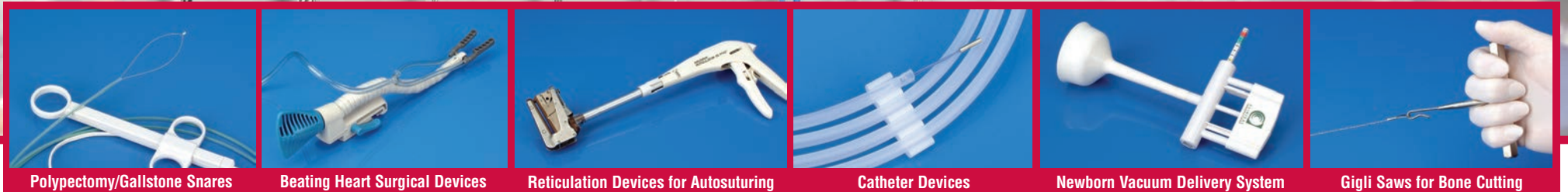
For more than 35 years, Carl Stahl Sava Industries has been designing and manufacturing high quality precision miniature cables and cable assemblies for use in a wide range of medical device and surgical product applications.

Sava's core business is high quality, value-added precision cable assemblies—particularly in medical OEM applications requiring small, delicate miniature cables. We manufacture stranded multiple wire cable to miniature diameters as small as .006" with extremely tight tolerances. We also apply the same high level of quality to cables and cable assemblies in various sizes, constructions, and materials up to a nominal diameter of 3/8".

While many cables and assemblies are produced using standard stainless steel or stainless steel alloys, Sava specializes in working with high-tech materials such as Vitallium®, Tungsten, Inconel®, and Titanium. Cable is also available in bulk and can be coated with a variety of materials including nylon, polyurethane, and FEP.

Typical Medical Applications Include Cables and Cable Assemblies for:

- ▲ Trochanter Devices for Bone Surgery
- ▲ Polypectomy and Gallstone Snares
- ▲ Aspiration Catheters
- ▲ Sigmoidoscopes
- ▲ Endoscopes
- ▲ Gigli Saws for Bone Cutting
- ▲ Forceps
- ▲ Stiffening Devices for Feeding Tubes
- ▲ Breast Lesion Localization Systems
- ▲ Gastrostomy Feeding Systems
- ▲ Sterilization Systems
- ▲ X-Ray Equipment
- ▲ Beating Heart Surgery Equipment
- ▲ Dental Drills and Equipment
- ▲ Security Devices
- ▲ Medical Lighting
- ▲ Hospital Beds



A Thorough Understanding of Cable Construction and Medical Use Dynamics

Sava offers many types of cable or strand, which are used in various internal and external medical applications. Sava's "cable" construction features a uniform helical arrangement of concentrically stranded thin wires that offer less abrasion resistance—making it highly suitable for medical applications requiring maximum flexibility. Sava's "strand" construction has larger wires and increased abrasion resistance – making it ideal for medical applications where less flexibility is needed.

Sava's cable or strand can be supplied in bulk, pre-cut lengths, assembled with fittings on one or both ends, with or without customer components, stress relieved, passivated, vapor degreased or ultrasonically cleaned. Cable assemblies can be packaged in bulk or individually labeled, sealed plastic bags for medical component qualification, verification, validation, and production requirements. Full certification and traceability are available.

Extensive In-House Design and Engineering Capabilities

Sava's extensive in-house design, engineering, and manufacturing resources are backed by highly experienced technical sales professionals with extensive medical industry experience.

Our design engineering team is intimately involved in every aspect of the design process—from initial designs and prototype runs to our ability to supply bulk, cut lengths or completed cable assemblies with fittings on each end.

Most importantly, our familiarity with the sometimes long and difficult approval process our customers go through is your guarantee our cable products will meet the most stringent product guidelines and required performance goals in the most cost-effective manner possible.



Comprehensive Manufacturing Knowledge and Technical Support

As the preferred partner for medical OEM professionals worldwide, Carl Stahl Sava Industries knows the medical device and diagnostic industry.

Key members of our Executive Management Team, Department Heads, and Supervisory Personnel have more than 20 years of experience in manufacture of cable and cable assemblies for medical applications.

Further support is provided by a team of knowledgeable inside technical sales representatives and numerous independent manufacturers' representatives located throughout the United States.

Stringent Manufacturing Practices and Quality Standards

Sava's ISO 9001 Certification is your assurance we are committed to providing products of the highest quality that meet or exceed medical industry standards and requirements.

Our highly experienced Quality Assurance Team employs rigorous standards in examining product samples from the start of the manufacturing process through final inspection—your guarantee the finished product you receive conforms to all specifications as planned. Sava also continues to invest in the latest, most sophisticated testing equipment and is widely recognized as an industry leader in meeting the more stringent ISO 9001:2000 standard.

Please Note: For more detailed information and specifications regarding Sava's entire line of cables, cable assemblies, related accessories, and sales policy and terms, please visit our web site at www.savacable.com/medical, e-mail: medical@savacable.com or call 973-835-0882 and request a copy of our Cable Design Guide.



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