

Your **Bio**connection

A Letter of News and New Products for Medical Professionals ← Volume 8 / No. 1

Ultrasonic Welding

The Choice for Durability and Economy



Stronger than many adhesives

Minimizes material contamination

Highly reliable

Longer product life

Reduces manufacturing time/cost

IN THE MEDICAL ENVIRONMENT it is always advantageous to find or use a process that eliminates the need for using adhesives or other foreign or unnecessary materials. This is one of the advantages of using ultrasonic welding to attach sensors to lead wires. Ultrasonic welding can also be used to replace the need for an expensive contact to produce the union between wire and sensor, saving time and money on material and labor.

Bioconnect has employed the ultrasonic welding process for over 16 years and offers it in a variety of product applications.

Ultrasonic welding is an industrial technique whereby high-frequency ultrasonic acoustic vibrations are locally applied to workpieces being held together under pressure to create a solid-state weld. It is commonly used for plastics, and especially for joining dissimilar materials. In ultrasonic welding there are no connective bolts, nails, soldering materials, or adhesives necessary to bind the materials together.

In the medical industry ultrasonic welding is often used because it does not introduce contaminants or degradation into the weld and the machines can be specialized for use in clean rooms. Items such as IV catheters can be made using ultrasonic welding.

from www.Wikipedia.com



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a Best Buy gift card



Register for the newsletter or confirm your newsletter contact information at www.biocables.com for your chance to win a \$100 gift card for **BEST BUY.**

Those without Internet access may call 800-233-1728 and ask for Scott. Drawing will take place at 9 a.m. PST on March 1, 2011 at Bioconnect, 7610 Miramar Rd, San Diego, California. No purchase required.

Best Buy is not affiliated with Bioconnect and does not endorse this promotion or Bioconnect's products or services.

Visit us at the show!

MDM

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February 8-10, 2011
Booth #435

Minneapolis

November 2-3, 2011
Booth #748



San Diego

May 4-5, 2011
Booth #671

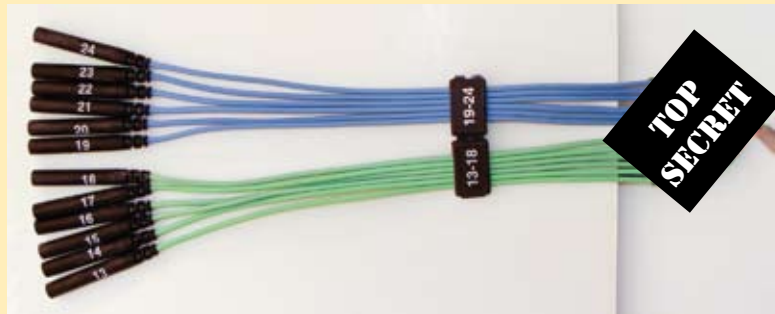
January 2011, Your Bioconnection
Linda Heida, Editor



Made in the USA

Bioconnect uses all domestically made wires, materials and components in the manufacture of its products. Molding and assembly is done on site at its San Diego facility.

From Our **PROBLEM SOLVED** File



PROBLEM: Lead Organization

SOLUTION: Slider Clips

We were asked by a customer to create a 24-lead assembly but they couldn't see how to manage the leads and keep them from tangling. We came up with a solution of what we call "slider clips". These clips are molded to hold the leads in a trough, snap closed and hold. In addition we were able to print custom markings on the clips to make them even easier to use by a technician. One more innovative solution found by the Bioconnect team.

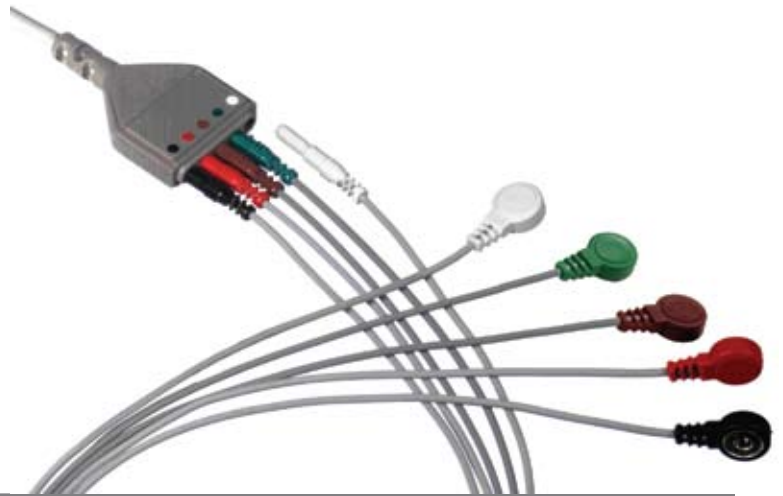
What problem can we solve for you?



The "Bioconnect Fit"

MANY ISSUES MUST BE ADDRESSED WHEN DESIGNING A GOOD LEAD WIRE TO PATIENT CABLE INTERFACE. The molded end must usually comply with an industry standard like AAMI or IEC. More importantly, the interconnection between the lead wire and the cable yoke must provide a fit that will withstand tugging and pulling by the technician or patient. It is important that the integrity of the signal between the patient and the monitoring equipment be maintained throughout patient assessment. Along with insertion force, extraction force must be considered and cannot be too high.

Bioconnect's mating geometry is unsurpassed in the industry. The lead and patient cable yoke literally "snap" together with a distinctive sound and feel. This gives the technician confidence in the integrity of the connection. Mating geometry design and materials selection is perfected during our painstaking tooling modification process. It is the precision of our tooling and use of TPR that insures the "Bioconnect fit" is achieved with every cable coming off our assembly line.



Try Bioconnect snap leads and feel the difference!

Better Quality Snaps

Longer lasting

Hold up to longer repeated usage compared to other brands

Better Retention

Less prone to accidental disengagement

Low Pressure Snap

More comfortable for patient. Less engagement pressure provides more accurate readings.



Contact Scott Lende at slende@biocables.com for your FREE sample.



Feel the difference

You will literally feel the difference with Bioconnect – from the materials we use, to your customer experience. A lower quality material could be used in manufacturing our patient cables, but we know you prefer the feel and durability of Santoprene™. You will also like the feel of working with us. Bioconnect is small enough to respond to your custom needs and large enough to meet them economically. Bioconnect – feel the difference.

Santoprene is a trademark of Advanced Elastomer Systems



Standard and Custom Cables since 1989

(800) 233-1728, (858) 549-6340, www.biocables.com, bio@biocables.com



Celebrating our 50 Millionth Lead



Contact us for your **FREE** sample at **(800) 233-1728** or SLende@biocables.com.



SINCE 1989, Bioconnect has manufactured standard and custom medical patient lead wires for the OEM marketplace. During this time our design engineers, production managers and technicians have fine tuned the process to give you maximum economy and quality. Take advantage of our expertise and let us quote your next project.

Standard and custom lengths

Your choice of terminations: Snap, pinch/grabber, socket, pin, DIN, Alligator Clip

Standard and custom colors for lead wires and terminations

Design services available



See details inside

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