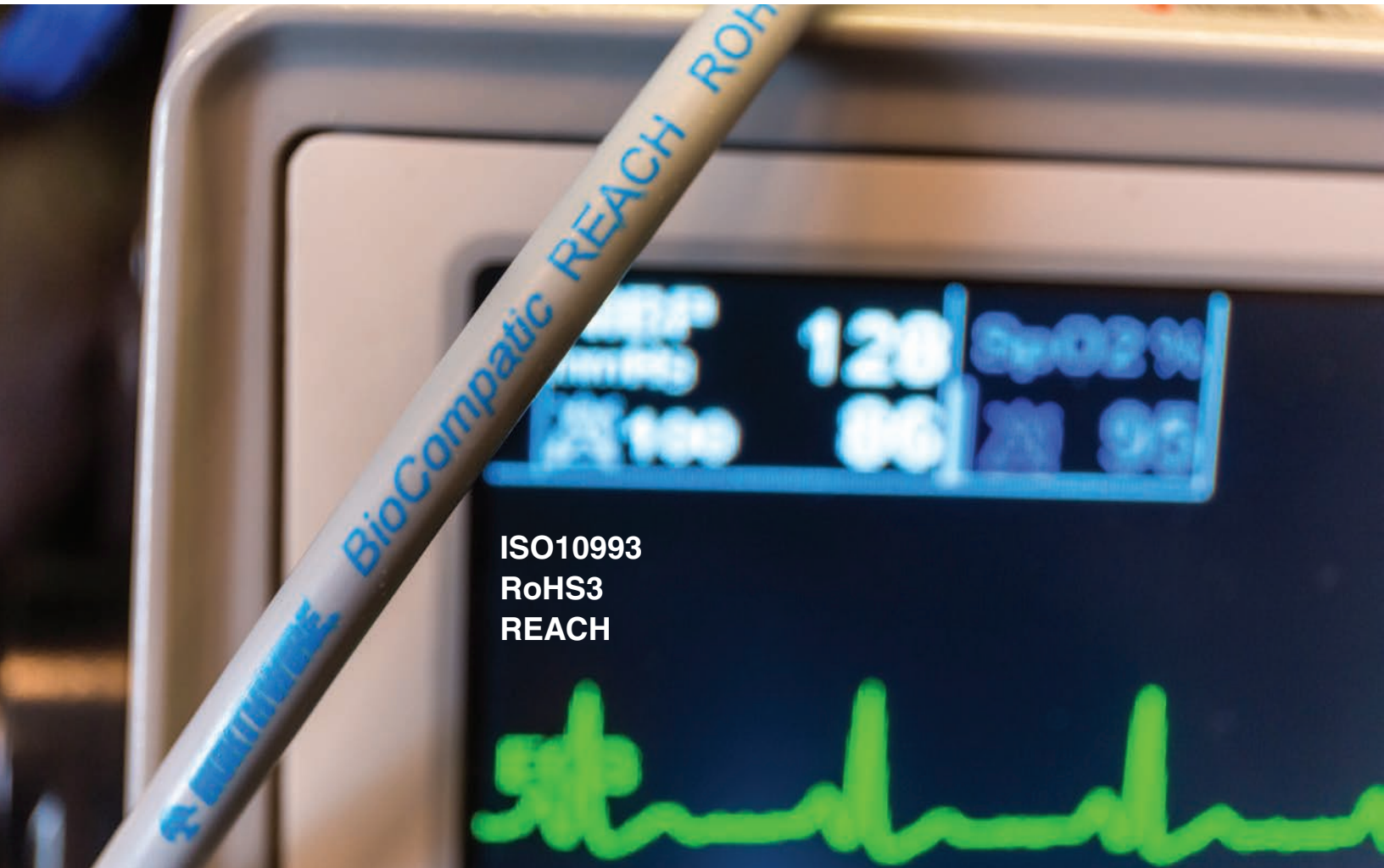


### Northwire USP Class VI Medical Cable Jacket Material

- Cost Competitive with Shorter Lead Times than Silicone
- Free of Phthalates, Halogens, and Latex
- Compatible to Steam Autoclave, H<sub>2</sub>O<sub>2</sub>, Gamma, and ETO Sterilization
- Excellent Resistance to Chemicals, Cut and Crush
- Available on ANY Northwire Custom Cable Design
- Injection-moldable and Over-moldable



ISO10993  
RoHS3  
REACH



Learn More





**NORTHWIRE**<sup>®</sup>  
*INC*

A LEMO Group Company

Northwire's *BioCompatic* material is a robust USP Class VI Silicone Alternative ideally suited for medical applications and is a perfect option for single-use or reusable applications.

	Silicone	Santoprene™	<i>BioCompatic</i>
Specific Gravity	–	0.96	0.93
Shore Hardness "A" (+/-3)	60	65	69
Brittle Point	–	-60°C	-80°C
Continuous Use Temperature	~180°C	~105°C	~105°C
Gurney Wheel Crush Resistance	9,260 cycles	94,800 cycles	186,100 cycles
Cut Resistance	50 lbs.	75 lbs.	125 lbs.
Retractable Applications	Poor	Fair	Excellent

Cable samples used to collect test data were 22 AWG, 4 Conductor FEP insulation with .050" jacket thickness.

**Northwire Standardized Flex Test Protocol judges six primary types of flex:**



RETRACTABLE



TORSIONAL



ROLLING



VARIABLE

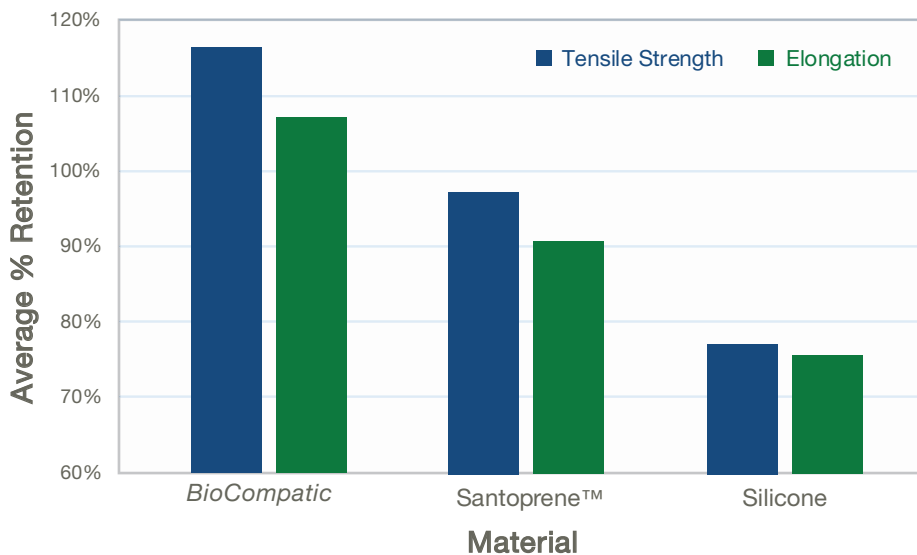


BENDING



CONTINUOUS

**Average Retention Values after 500 Steam Autoclave Cycles\***



\*30 minute cycles at 134°C

**24-Hour Chemical Resistance at Ambient Temperature Validated with the following Chemical Concentrates:**

- Betadine (100%)
- Cidex OPA (100%)
- Virex II 256 (100%)
- Clorox Healthcare Bleach (100%)
- Isopropyl Alcohol, IPA (99%)
- Hydrochloric Acid, HCl (36%)