



GORE™ Rx100 Cable and Interconnects

ASSEMBLIES

Technical Summary

Gore offers GORE™ Rx100 Cable and Interconnects as a solution to multi-modality sterilization medical cable and interconnects. The GORE™ Rx100 Cable Jacket is a silicone, hydrophobic fiber reinforced material which outperforms conventional silicone interconnects. This cable technology possesses one-tenth the elongation and two times the axial strength of conventional silicone jackets.

GORE™ Rx100 Cable Jacketing utilizes a high strength fluoropolymer fiber, GORE™ RASTEX® fiber, which acts as a structural strengthener without significantly reducing cable flexibility. GORE™ Rx100 Cable Jackets do not axially stretch or balloon like that of conventional silicone so the transfer of mechanical loads to the inner electrical components is significantly reduced.

MEDICAL APPLICATIONS

GORE™ Rx100 Cable and Interconnects are designed for use in the most demanding medical applications. They are used in a wide array of diagnostic and therapeutic medical devices where multi-modality sterilization is employed.

This cabling innovation provides longer field life and superior reliability and durability without sacrificing handling and other ergonomic benefits. GORE™ Rx100 Cable and Interconnects withstand the transient pressure conditions that occur during autoclave cycles and are capable of maintaining their mechanical and electrical properties after many autoclave cycles. The GORE™ Rx100 Cable and Interconnects have been shown to withstand up to 1,500 autoclave and flexure cycles for specific interconnect designs.

PROPERTIES

Property	GORE™ Rx100 Cable Jacketing	Silicone Cable Jacketing
Tensile Strength (psi)	2,400	1,518
Elongation (%)	50	798
Specific Gravity	1.0	1.0
Autoclave Fatigue Resistance	Good	Fair
High Temp Integrity	Fair	Fair

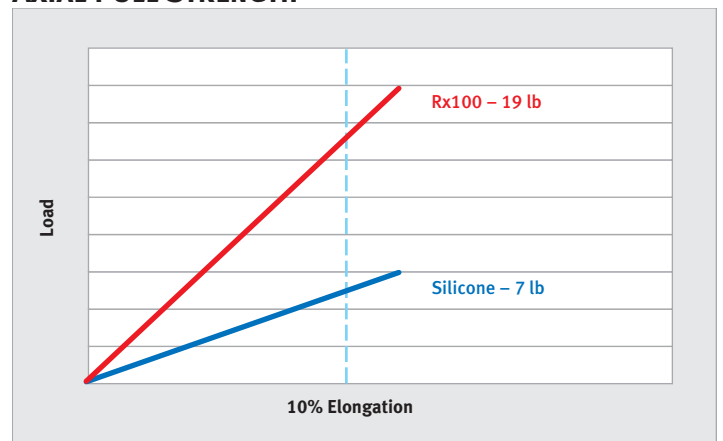


GORE™ Rx100 Cable and Interconnects are designed for use in the most demanding medical applications.

FEATURES AND BENEFITS

- Low Elongation
- Enhanced Burst Strength
- Superior Autoclave Performance
- Direct Replacement for Silicon Jacketed Cables
- Over-molding/Bonding Compatible
- Multi-modality Sterilization (Autoclave, ETO, etc.)

AXIAL PULL STRENGTH



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