

Tendril® ST Optim™

Position with the Best

Models 1888 and 1882

**Optim Insulation, Endocardial, Steroid-Eluting, Active-Fixation
Pacing Leads**



SPECIFICATIONS

OPTIM™ LEAD INSULATION

Optim™ lead insulation is the first silicone-polyurethane co-polymer insulation designed specifically for cardiac lead use.

Innovative Material

Optim insulation is a chemical co-polymer that blends the best features of polyurethane and silicone. It is designed to provide the durability of polyurethane and the flexibility of silicone.

Improved Handling

Optim insulation with Fast-Pass® coating has been shown to be more lubricious than either silicone or polyurethane insulation. Benchmark testing has demonstrated that the flexibility of Optim insulation is comparable to silicone.*

Increased Durability

Optim insulation is more resistant to abrasion in lead-on-lead contact testing than silicone insulation. After two years of implantation, the material has shown biostability at least as good as polyurethane.*

TENDRIL® ST OPTIM LEADS

Thin Pacing Leads

The Tendril® ST Optim family of leads is one of the thinnest pacing lead offerings. The straight Tendril ST Optim lead (model 1888) is one of the first leads to fit through a 6 F introducer. The thin lead body of the atrial J Tendril ST Optim lead (model 1882) fits through a 7 F introducer. The thin sizes of the Tendril ST Optim leads provide ease of passage and facilitate small venous space.

Faster Implants with an Active Mapping Collar

Each Tendril ST Optim lead's active mapping collar enables the physician to take threshold measurements prior to extending the helix, and is designed to save the time of extending and retracting the helix while searching for an acceptable location.

Easier Implants with Fast-Pass® Coating

The Tendril ST Optim pacing leads feature the lubricious Fast-Pass® coating on the outside of the lead, facilitating lead insertion through the introducer and the veins. This coating helps to reduce lead body surface friction, allowing multiple leads to easily move against one another and reducing the chance of inadvertently moving one lead during the manipulation of another.

Ventricular Straight or Atrial J-Shaped Active-Fixation Options

The Tendril ST Optim leads provide physicians the flexibility of lead placement in the atrium or ventricle. Model 1888 offers a straight design that is intended for use in the atrium or ventricle; model 1882 is J-shaped, allowing for placement in the atrial appendage.

Multiple Lengths

The Tendril ST Optim pacing lead is available in 46, 52, and 58 cm (model 1888), and 46 and 52 cm (model 1882) lengths, affording physicians the flexibility to address the needs of patients with varying physical statures and vascular anatomies.

Reduced Oversensing with Short Tip-to-Ring Spacing

The tip-to-ring spacing (10 mm for both Tendril ST Optim models) is designed to help prevent oversensing.

Increased Pacing Efficiency and Reduced Polarization with Titanium Nitride Fractal Coating

The tip and ring electrodes of the Tendril ST Optim pacing lead are coated with titanium nitride (TiN). TiN fractal coating is designed to provide precise sensing and improved contact with the myocardium, thereby reducing polarization and increasing pacing efficiency. Additionally, the TiN microporous coating creates a textured lead surface, designed to foster better contact with the myocardium.

Lower Thresholds with Steroid Elution

The Tendril ST Optim pacing leads feature steroid elution, using a monolithic controlled release device (MCRD) as a vehicle for steroid delivery. The dexamethasone sodium phosphate in a silicone matrix is designed to reduce inflammation at the lead/tissue interface resulting in lower acute and chronic stimulation thresholds.

* Jenney C, Tan J, Karicherla A, Burke J, Helland J. A New Insulation Material for Cardiac Leads with Potential for Improved Performance, HRS 2005, HeartRhythm, 2, S318-S319 (2005).

Tendril® ST Optim Models 1888 and 1882
Optim Insulation, Endocardial, Steroid-Eluting, Active-Fixation Pacing Leads

MODEL NUMBER	1888TC	1882TC
SPECIFICATIONS		
Minimum Introducer Size	6 F	7 F
Type of Lead	Transvenous, screw-in, bipolar, steroid	Transvenous, screw-in, bipolar, steroid
Shape	Straight	Atrial J
Lead Lengths	46, 52, and 58 cm	46 and 52 cm
Fixation	Extendable/retractable helix	Extendable/retractable helix
Tip-to-Ring Spacing	10 mm	10 mm
Lead Tip Electrode (Cathode)	Pt/Ir collar + active titanium nitride coated Pt/Ir helix (2 mm extension)	Pt/Ir collar + active titanium nitride coated Pt/Ir helix (2 mm extension)
Tip Electrode Surface Area	8.5 mm ²	8.5 mm ²
Ring Electrode (Anode)	Titanium nitride coated Pt/Ir ring	Titanium nitride coated Pt/Ir ring
Ring Electrode Surface Area	16 mm ²	16 mm ²
Mapping	Available with collar	Available with collar
Steroid Elution	Yes	Yes
Conductor	MP35N® coil	MP35N® coil
Insulation	Optim	Optim

Accessory Kits Available Separately

Accessory	Model Number	Available Lengths	Description
Stylet Kit	4091 with appropriate length designation for use with TC model Tendril and Tendril ST leads	46, 52, and 58 cm	4 straight stylets (1 x-soft, 1 soft, 1 firm, 1 x-firm) 1 J and 1 clip tool



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