Electrophysiology Diagnostic Catheter Family

Boston Scientific

The most comprehensive portfolio of diagnostic catheters on the market today.

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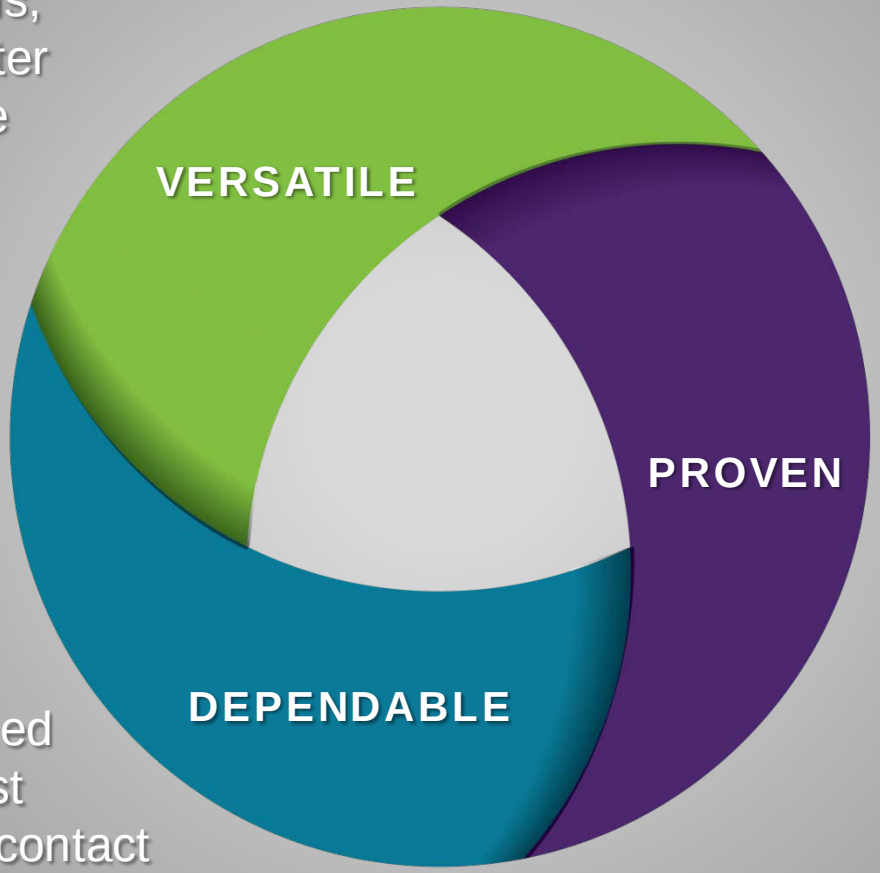
Navigation Tips

Electrophysiology Diagnostic Catheter Family

With over 300 options, our diagnostic catheter portfolio provides the EP lab with a comprehensive and clinically versatile toolset.



The Woven and Dynamic catheters have been the trusted choice of EPs for over 25 years.

Our diagnostic catheters are designed to provide the highest level of stability and contact for clear, crisp signal quality.

Electrophysiology Diagnostic Catheter Family

Fixed Curve Catheters

Steerable Catheters

Advanced Mapping Catheters

EP-287302-AC OCT2015

Fixed Curve Catheters

Find Your Ideal
Fixed Curve Catheter

Boston Scientific

Our fixed curve diagnostic catheter family sets the standard for **reliability** and **predictability**.

With over **125** fixed curve catheter options, Boston Scientific offers the most **comprehensive** diagnostic portfolio available today.

Woven Platform

Viking™ Platform

Woven and WovenFlexie™ Fixed Curve Catheters

One of The first diagnostic EP catheters and a trusted choice by EPs for over 25 years.

Exceptional Contact & Stability

Proprietary polyurethane woven shaft construction provides for **bioflexibility**, a feature that allows the catheter to soften at body temperature and conform to endocardium.

High Resolution Electrograms

Pure platinum electrodes and silver conducting wires, combined with exceptional contact and stability lead to **unparalleled signal quality**.

Reliable, Durable, Robust

The **unique woven construction** results in a catheter known for its reliability, durability and robustness.

***Woven** – 4F, 5F, 6F, 7F*

***WovenFlexie** – 5F & 6F*
(Woven Soft Tip)

Viking™, Viking™ Soft Tip, Tango™ Fixed Curve Catheters

Cost Effective, High Performing.
Designed for contact, stability and signal quality.

Ideal Solution for Price and Performance
The Viking catheter is built with the **performance characteristics of the Woven** but at a lower cost.

Lasting Contact and Stability
Constructed with **Stabilene**, a proprietary polymer which helps minimize the effect of endocardial bounce and reduce the need for repositioning.

Enhanced Control
Designed with a double-stranded stainless steel braid to provide more **precise torque control** and accurate positioning.

Steerable Catheters

Find Your Ideal Steerable Catheter

Boston Scientific

Our steerable diagnostic catheters set the **standard** for clinical versatility.

With multiple options for spacing, curves and handles, Boston Scientific has the largest **variety** of configurations for site specific mapping.

Unidirectional up to 10 poles

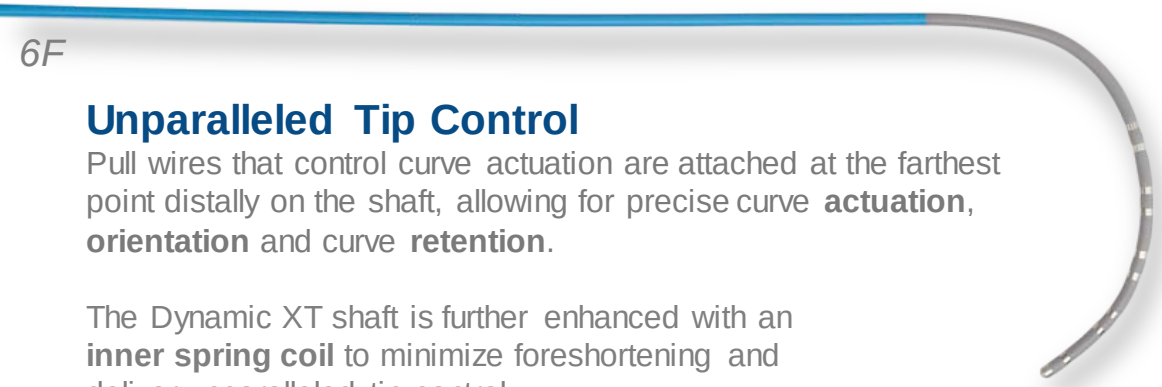
- Dynamic XT™
- Polaris X™
- EP•XT™
- Dynamic Tip™
- CS Assist

Bidirectional

20 poles	20 poles	8 poles
Blazer™ Dx-20	Orbiter™ ST & Radia™	SteeroCath-Dx™

Dynamic XT™
Steerable Diagnostic Catheter

The most widely used steerable catheter for the Coronary Sinus.
Smooth, precise positioning with unparalleled tip control.



Unparalleled Tip Control

Pull wires that control curve actuation are attached at the farthest point distally on the shaft, allowing for precise curve **actuation**, **orientation** and curve **retention**.

The Dynamic XT shaft is further enhanced with an **inner spring coil** to minimize foreshortening and deliver unparalleled tip control.

Atraumatic Distal Tip

Soft durometer polyurethane minimizes the risk of distal tip trauma and contributes to tip **stability** for clean, crisp **signal quality**.

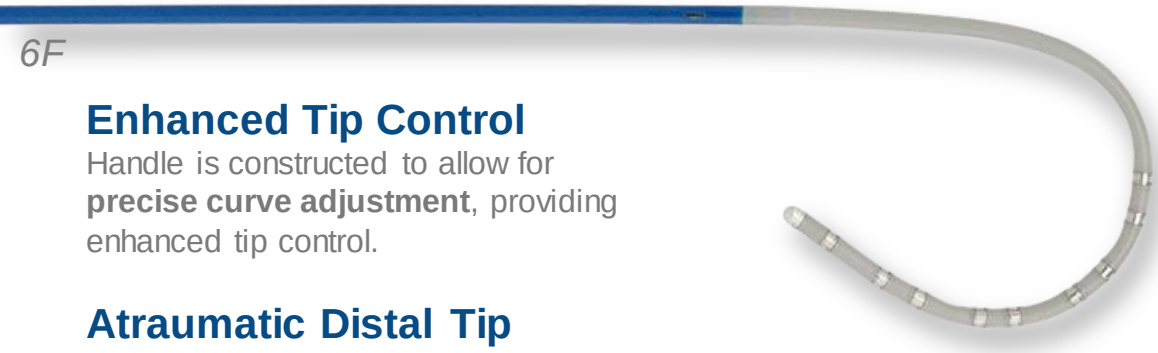
Intuitive Handle

The Dynamic handle's simple and intuitive design allows for smooth, **precise control**.

EP-287302-AC OCT2015

Polaris X™
Steerable Diagnostic Catheter

Built for comfort.
Ergonomic handling with precise maneuverability.



Enhanced Tip Control
Handle is constructed to allow for **precise curve adjustment**, providing enhanced tip control.

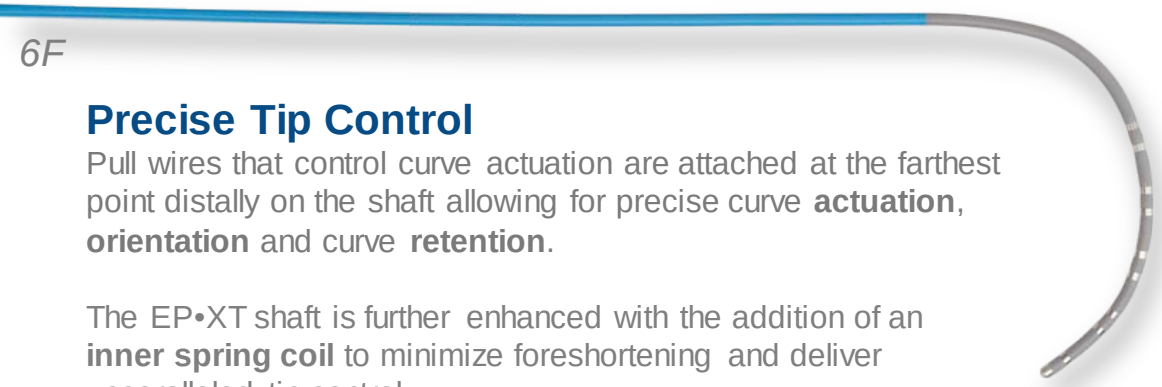
Atraumatic Distal Tip
Soft distal tip minimizes the risk of tip trauma and contributes to enhanced tip **stability** for clean, crisp **signal quality**

Comfort Handle
Ergonomic, comfortable plunger handle.

Directional dimple for recognition of curve actuation plane.

EP•XT™
Steerable Diagnostic Catheter

Built on the trusted Dynamic XT™ platform.
Modified ergonomic handle for versatility. Precise tip control.



Precise Tip Control
Pull wires that control curve actuation are attached at the farthest point distally on the shaft allowing for precise curve **actuation**, **orientation** and curve **retention**.

The EP•XT shaft is further enhanced with the addition of an **inner spring coil** to minimize foreshortening and deliver unparalleled tip control.

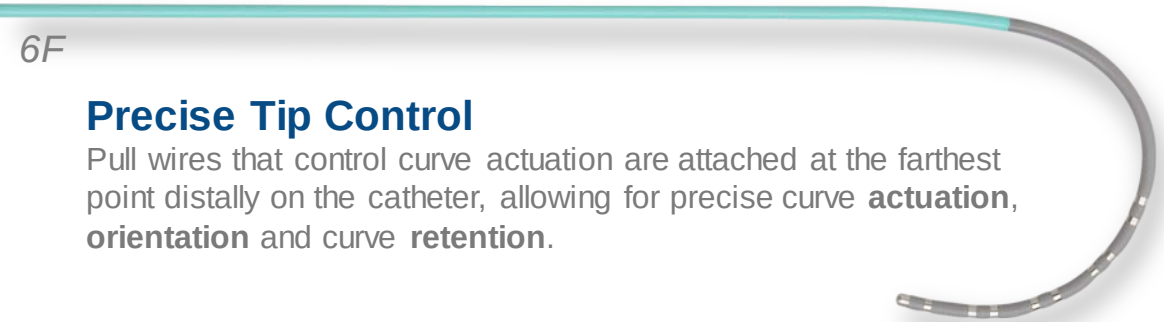
Shaft is identical to the Dynamic XT

Atraumatic Distal Tip
Soft durometer polyurethane minimizes the risk of distal tip trauma and contributes to tip **stability** for clean, crisp **signal quality**.

Ergonomic Handle
Ergonomic handle allows for smooth, **precise control** of the catheter tip.

Dynamic Tip™ Steerable Diagnostic Catheter

A proven technology with over 25 years of history in electrophysiology.
Intuitive, smooth and precise positioning.



Precise Tip Control

Pull wires that control curve actuation are attached at the farthest point distally on the catheter, allowing for precise curve **actuation**, **orientation** and curve **retention**.

Intuitive Handle

The dynamic handle's simple and intuitive design allows for smooth, **precise control**.

Atraumatic Distal Tip

Soft durometer polyurethane minimizes the risk of distal tip trauma and contributes to tip **stability** for clean, crisp **signal quality**.

CS Assist
Steerable Diagnostic Catheter

Specially designed for Bi-V applications.
Built on the Dynamic XT™ platform.

Stability, Control, Access
Provides the right combination of tip control and stability for accessing the Coronary Sinus from a superior approach, **facilitating insertion** of a guide sheath even when navigating in difficult anatomy.

Atraumatic Distal Tip
Soft durometer polyurethane minimizes the risk of distal tip trauma.

Intuitive Handle
The Dynamic handle's simple and intuitive design allows for smooth, **precise control**.

Bipolar, 5mm Spacing,
Large 4.0 Curve, 65cm Length

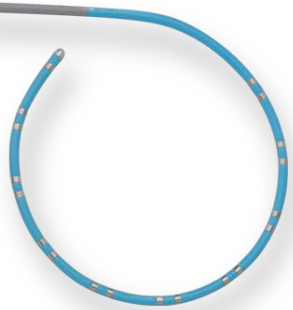
Blazer™ Dx-20
Bidirectional Diagnostic Catheter

Built on the trusted Blazer platform.
Intuitively engineered for exceptional performance.

7F

Stability, Control & Access
The ability to **back steer** contributes to better tip stability and reliable positioning for CS access and advancement.

Adjustable tension control knob allows for enhanced control over distal torque compared to competitive duodecapolar catheters* which contributes to **predictable placement** and **reliable stability**.



Atraumatic Distal Tip
Minimizes risk of perforation.

Allows catheter to conform to anatomy providing improved electrode **contact**.

*The Blazer Dx-20 is proven to have better back steering strength than competitive duodecapolar diagnostic catheters in bench testing.**

* Bench testing performed by Boston Scientific. Data on file.
Bench test results may not necessarily be indicative of clinical performance.

Orbiter™ ST and Radia™ Steerable Diagnostic Catheters

Ergonomically designed 20-pole steerable catheters.
Flexibility, comfort and control for more accurate diagnoses.

7F

Enhanced Contact and Stability

Spring core shaft provides **outward radial pressure** for enhanced contact.

Wire-braided Pebax® jacket provides **lateral flexibility** and **column strength** for enhanced stability.

Atraumatic Distal Tip

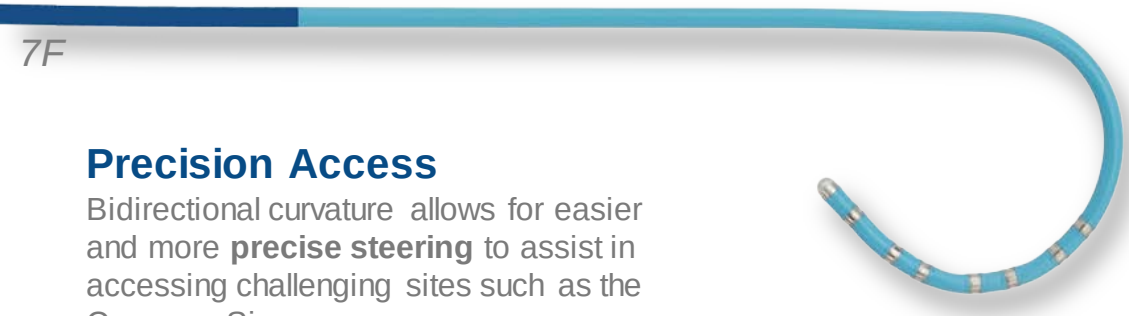
Pebax construction minimizes the risk of distal tip trauma and contributes to tip **stability** for clear, crisp **signal quality**.

2 Handle Alternatives

Lightweight thumb-actuating: **Orbiter ST**
Rotational-style: **Radia**

SteeroCath-Dx™ Bidirectional Steerable Diagnostic Catheter

Steerable octapolar on a bidirectional platform.
Precise micromovements and advanced positioning.



Precision Access

Bidirectional curvature allows for easier and more **precise steering** to assist in accessing challenging sites such as the Coronary Sinus.

Stability & Contact

Familiar Blazer™-style handle with **tension control** and the ability to **back steer** provides enhanced curve retention, stability and contact.

Advanced Mapping Catheters

Boston Scientific

Our diagnostic portfolio is made complete with **unique** catheters for procedural-specific or site-specific mapping.

Better **diagnosis** of complex arrhythmias that may be difficult to identify using conventional mapping systems alone.

Constellation™

Orbiter™ PV

Constellation™ Mapping Catheter

Get the whole picture in a heartbeat.
Comprehensive, full-contact, high-resolution mapping.

Accurate, High-Resolution Information in a Single Beat

Unique, flexible basket design conforms to atrial anatomy providing **full-contact mapping**.

64 electrodes provide accurate, real-time 3-D information in a single beat.

Diagnose Complex Arrhythmias

Simultaneous longitudinal and circumferential signals allow for more **accurate 3-D mapping** in the left and right atrium.

Allows for the diagnosis of complex arrhythmias that may be difficult to identify using conventional mapping systems alone.

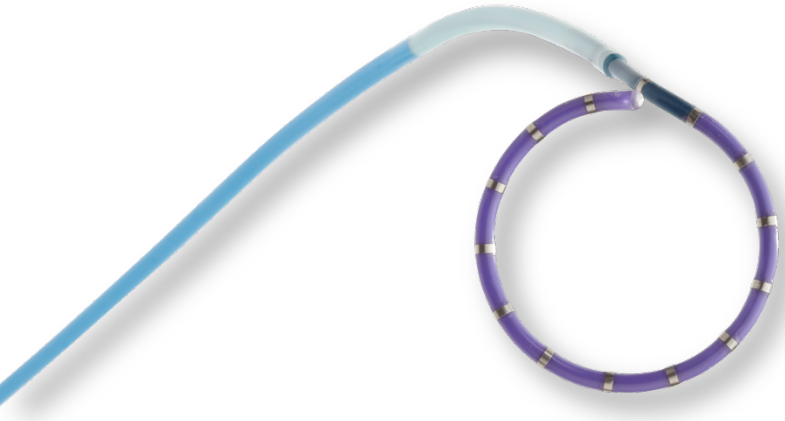
Available Configurations (8F Shaft; 64 Electrodes)

Diameter	Electrode Spacing
31 mm	2 mm
38 mm	3 mm
48 mm	4 mm
60 mm	5 mm
75 mm	7 mm

Orbiter™ PV Mapping Catheter

Soft, Variable Loop Mapping Catheter.

First circular mapping catheter to combine an adjustable loop with a deflectable shaft.



Atraumatic Loop

Lower durometer loop provides an optimal blend of **softness** and **flexibility**.

Access Challenging Anatomy

Actuated curve has a tight sweep angle compared to typical loop catheters to facilitate **access** to challenging anatomy.

Adjustable Loop Diameter

The variable loop allows adjustment from 14.5 mm to 25 mm, **maximizing contact** and providing clear**, crisp signals**.

7.5F–5F Tapered Tip Loop 14 Poles, 5mm Spacing,
Variable Loop 14.5mm–25mm, 105cm Length

Curve Options

Fixed Curve Catheters | Steerable Catheters | Advanced Mapping Catheters

Woven and WovenFlexie™ Curve Options

Woven

Cournand

CS

Damato

His

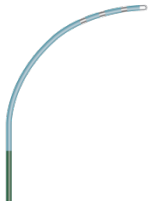
Josephson

K

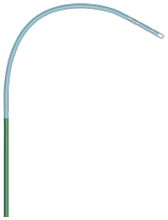
Straight

WovenFlexie

Cournand



Damato



His

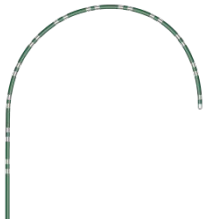
Josephson

Woven Orbiter & Woven Orbiter HTD Curve Options

Woven Orbiter

Milwaukee

Orbiter Large

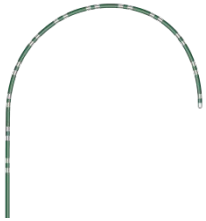


Orbiter Small

Woven Orbiter HTD

Milwaukee

Orbiter Large



Orbiter Small

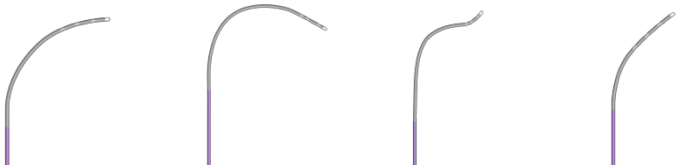
Viking™, Viking™ Soft Tip, Tango™ Curve Options

Viking

Cournand Cox CS Damato Elmhurst Hisser Interian Josephson K

Viking Soft Tip

Cournand Damato Hisser Josephson



Tango

Cournand CS Damato

Hisser Interian Josephson

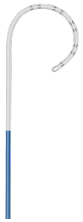
Unidirectional Steerable Catheters
Curve Options

Dynamic XT

Large 4.0

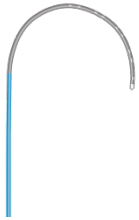
Polaris X

270°
Standard



EP•XT

Large 4.0



Dynamic Tip

Large 4.0

CS Assist

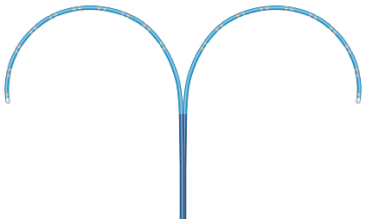
Large 4.0

Bidirectional Steerable Catheters
Curve Options

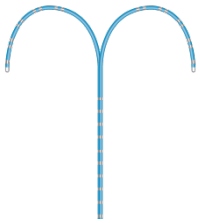
Symmetric

Blazer Dx-20

Super Large

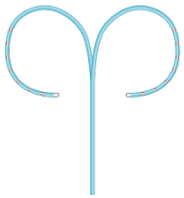


Medium



SteeroCath-Dx

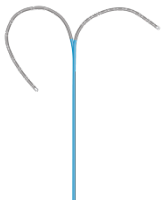
Bidirectional



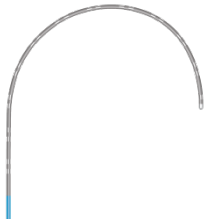
Asymmetric

Orbiter ST

D



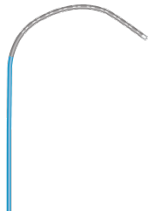
Orbiter ST Large



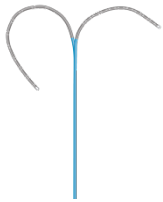
Orbiter ST Small

Radia

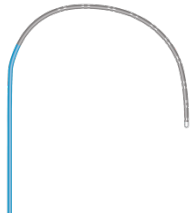
Cristalis



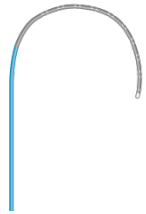
D



Radia Extra Large



Radia Medium



Ordering Information

Fixed Curve Catheters | Steerable Catheters | Advanced Mapping Catheters

Woven
Ordering Information

Woven

WovenFlexie

Woven Orbiter &
Woven Orbiter HTD
(24-poles Only)

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Woven
Ordering Information

Woven Fixed Curve Catheter – 4F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
200151	Quadripolar	Josephson	2,5,2mm	80cm	008568P
4FMC00544	Quadripolar	Josephson	5mm	100cm	200088P
200152	Quadripolar	Cournand	1mm	80cm	008568P
4FMC00593	Quadripolar	Cournand	2,5,2mm	80cm	200088P
4FMC00716	Quadripolar	Cournand	5mm	110cm	560002A

Woven Fixed Curve Catheter – 5F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
5FMC00496	Quadripolar	Josephson	2,5,2mm	100cm	200088P
200060E	Quadripolar	Josephson	5mm	110cm	200088P
200058E	Quadripolar	Josephson	10mm	110cm	200088P
5FMT0089P	Quadripolar	Cournand	2,5,2mm	100cm	Tail Connector
200587E	Quadripolar	Cournand	5mm	110cm	200088P
200056E	Quadripolar	Cournand	10mm	110cm	200088P
200579P	Hexapolar	Cournand	2,5,2mm	100cm	200089P
200204E	Hexapolar	Cournand	5mm	110cm	200089P
200567	Decapolar	CSCrv	2,5,2mm	65cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Woven Ordering Information

Woven Fixed Curve Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
200473	Quadripolar	Josephson	2mm	115cm	008568P
200584	Quadripolar	Josephson	2,5,2mm	125cm	200088P
200624S	Quadripolar	Josephson	5mm	120cm	560002A
200201S	Quadripolar	Josephson	10mm	125cm	560002A
200583	Quadripolar	Cournand	2,5,2mm	125cm	200088P
200574	Quadripolar	Cournand	5mm	125cm	200088P
2001123	Quadripolar	Cournand	10mm	110cm	200088P
200586	Quadripolar	Damato	2,5,2mm	125cm	200088P
200578	Quadripolar	Damato	5mm	110cm	200088P
200719S	Quadripolar	Damato	10mm	110cm	560002A
200594	Pentapolar	Josephson	5,5,5,152mm	120cm	200089P
201401	Pentapolar	Josephson	5,5,5,282mm	120cm	200089P
6FMC00608	Hexapolar	Josephson	2,5,2mm	65cm	200089P
200207	Hexapolar	Josephson	2,5,2mm	125cm	006590P
6FMC00492	Hexapolar	Josephson	2,10,2mm	100cm	200089P
6FMC00216	Hexapolar	Josephson	5mm	115cm	006590P
6FMC00821	Hexapolar	Cournand	5mm	125cm	560004A
6FMC00823	Hexapolar	Damato	2,10,2mm	90cm	560004A

Woven Fixed Curve Catheter – 6F (cont'd)

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
200210	Octapolar	Cournand	5mm	125cm	006590P
6FMC00749	Decapolar	Josephson	2,5,2mm	125cm	560004A
6FMC00754	Decapolar	Cournand	1,10,1mm	80cm	560004A
200211	Decapolar	Cournand	2,5,2mm	125cm	006590P
200355	Decapolar	Cournand	5mm	125cm	006590P
200576	Decapolar	Damato	2,5,2mm	110cm	006590P
6FMT0183P	12-Poles	Damato	2,5,2mm	150cm	Tail Connector
6FMC00828	Duodecapolar	KCrv	3.5,55,2mm	125cm	560004A x 2 each

Woven Fixed Curve Catheter – 7F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
7FMC00675	Decapolar	Josephson	5mm	115cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

WovenFlexie™ Ordering Information

WovenFlexie Fixed Curve Catheter – 5F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
200598	Quadripolar	Josephson	2,5,2mm	120cm	200088P
200597	Quadripolar	Josephson	5mm	120cm	200088P
5FMC00713	Quadripolar	Cournand	5mm	125cm	560002A
200599	Hexapolar	Josephson	2,5,2mm	120cm	200089P

WovenFlexie Fixed Curve Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
500205	Quadripolar	Josephson	2,5,2mm	120cm	200088P
500203	Quadripolar	Josephson	5mm	120cm	200088P
500202	Quadripolar	Cournand	5mm	120cm	200088P
500207	Quadripolar	Damato	5mm	110cm	200088P

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Woven Orbiter™ & Woven Orbiter™ HTD Ordering Information

Woven Orbiter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
242401	24-Poles	Milwaukee	2,4,2mm	110cm	200774P x 3 each
242403	24-Poles	Orbiter Small	2,7,2mm	110cm	200774P x 3 each
242405	24-Poles	Orbiter Small	2,9,2mm	110cm	200774P x 3 each
242404	24-Poles	Orbiter Large	2,7,2mm	110cm	200774P x 3 each
242406	24-Poles	Orbiter Large	2,9,2mm	110cm	200774P x 3 each

Woven Orbiter High Torque Distal – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
242416	24-Poles	Milwaukee	2,4,2mm	110cm	200774P x 3 each
242412	24-Poles	Orbiter Small	2,7,2mm	110cm	200774P x 3 each
242415	24-Poles	Orbiter Large	2,9,2mm	110cm	200774P x 3 each

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Viking™ & Soft Tip Ordering Information

Viking	Soft Tip Viking Soft Tip Tango

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Viking™ Ordering Information

Viking Fixed Curve Catheter – 5F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400039	Bipolar	Josephson	10mm	115cm	560002A
400092P	Bipolar	Cournand	10mm	115cm	560002A
400041	Quadripolar	Josephson	2mm	115cm	560002A
400047	Quadripolar	Josephson	2,5,2mm	115cm	560002A
400044	Quadripolar	Josephson	5mm	115cm	560002A
400050	Quadripolar	Josephson	10mm	115cm	560002A
400042	Quadripolar	Cournand	2mm	115cm	560002A
400048	Quadripolar	Cournand	2,5,2mm	115cm	560002A
400045	Quadripolar	Cournand	5mm	115cm	560002A
400051	Quadripolar	Cournand	10mm	115cm	560002A
400043	Quadripolar	Damato	2mm	115cm	560002A
400049	Quadripolar	Damato	2,5,2mm	115cm	560002A
400046	Quadripolar	Damato	5mm	115cm	560002A
400052	Quadripolar	Damato	10mm	115cm	560002A
5FVS00035	Quadripolar	CoxCrv	5mm	110cm	560002A
400122	Quadripolar	Hisser	2mm	115cm	560002A
400123	Quadripolar	Hisser	2,5,2mm	115cm	560002A
400124	Quadripolar	Hisser	5mm	115cm	560002A

Viking Fixed Curve Catheter – 5F (cont'd)

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400088	Pentapolar	Interian	10,5,5,5mm	115cm	560004A
400053	Hexapolar	Josephson	2mm	115cm	560004A
400059	Hexapolar	Josephson	2,5,2mm	115cm	560004A
400056	Hexapolar	Josephson	5mm	115cm	560004A
400054	Hexapolar	Cournand	2mm	115cm	560004A
400060	Hexapolar	Cournand	2,5,2mm	115cm	560004A
400057	Hexapolar	Cournand	5mm	115cm	560004A
400062	Hexapolar	Cournand	10mm	115cm	560004A
400055	Hexapolar	Damato	2mm	115cm	560004A
400061	Hexapolar	Damato	2,5,2mm	115cm	560004A
400058	Hexapolar	Damato	5mm	115cm	560004A
400063	Octapolar	Josephson	2mm	115cm	560004A
400067	Octapolar	Josephson	2,5,2mm	115cm	560004A
400064	Octapolar	Cournand	2mm	115cm	560004A
400068	Octapolar	Cournand	2,5,2mm	115cm	560004A
400066	Octapolar	Cournand	5mm	115cm	560004A
400065	Octapolar	Damato	2mm	115cm	560004A
400069	Octapolar	Damato	2,5,2mm	115cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Viking™ Ordering Information

Viking Fixed Curve Catheter – 5F (cont'd)

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
5FVS00081	Octapolar	Hisser	2mm	115cm	560004A
400070	Decapolar	Josephson	2mm	115cm	560004A
400074	Decapolar	Josephson	2,5,2mm	115cm	560004A
400071	Decapolar	Cournand	2mm	115cm	560004A
400075	Decapolar	Cournand	2,5,2mm	115cm	560004A
400073	Decapolar	Cournand	5mm	115cm	560004A
400072	Decapolar	Damato	2mm	115cm	560004A
400076	Decapolar	Damato	2,5,2mm	115cm	560004A
5FVS00071	Decapolar	Elmhurst	5mm	65cm	560004A
400098	Decapolar	CSCrv	2mm	65cm	560004A
400096	Decapolar	CSCrv	2,5,2mm	65cm	560004A
400097	Decapolar	CSCrv	2,8,2mm	65cm	560004A
5FVS00051	Decapolar	CSCrv	5mm	65cm	560004A
400103	Decapolar	CSCrv	2,8,2mm	115cm	560004A

Viking Fixed Curve Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400037	Bipolar	Josephson	10mm	115cm	560002A
400093P	Bipolar	Cournand	10mm	115cm	560002A
400001	Quadripolar	Josephson	2mm	115cm	560002A
400007	Quadripolar	Josephson	2,5,2mm	115cm	560002A
400004	Quadripolar	Josephson	5mm	115cm	560002A
400010	Quadripolar	Josephson	10mm	115cm	560002A
400002	Quadripolar	Cournand	2mm	115cm	560002A
400008	Quadripolar	Cournand	2,5,2mm	115cm	560002A
400005	Quadripolar	Cournand	5mm	115cm	560002A
400011	Quadripolar	Cournand	10mm	115cm	560002A
400003	Quadripolar	Damato	2mm	115cm	560002A
400009	Quadripolar	Damato	2,5,2mm	115cm	560002A
400006	Quadripolar	Damato	5mm	115cm	560002A
400012	Quadripolar	Damato	10mm	115cm	560002A
400119	Quadripolar	Hisser	2mm	115cm	560002A
400120	Quadripolar	Hisser	2,5,2mm	115cm	560002A
400121	Quadripolar	Hisser	5mm	115cm	560002A
400102	Quadripolar	Levine	5mm	115cm	560002A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Viking™ Ordering Information

Viking Fixed Curve Catheter – 6F (cont'd)

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400090	Pentapolar	Interian	10,5,5,5mm	115cm	560004A
400013	Hexapolar	Josephson	2mm	115cm	560004A
400019	Hexapolar	Josephson	2,5,2mm	115cm	560004A
400016	Hexapolar	Josephson	5mm	115cm	560004A
400014	Hexapolar	Cournand	2mm	115cm	560004A
400020	Hexapolar	Cournand	2,5,2mm	115cm	560004A
400017	Hexapolar	Cournand	5mm	115cm	560004A
400022	Hexapolar	Cournand	10mm	115cm	560004A
400015	Hexapolar	Damato	2mm	115cm	560004A
400021	Hexapolar	Damato	2,5,2mm	115cm	560004A
400018	Hexapolar	Damato	5mm	115cm	560004A
400118	Hexapolar	Elmhurst	2,15,2mm	65cm	560004A
400023	Octapolar	Josephson	2mm	115cm	560004A
400027	Octapolar	Josephson	2,5,2mm	115cm	560004A
400024	Octapolar	Cournand	2mm	115cm	560004A
400028	Octapolar	Cournand	2,5,2mm	115cm	560004A
400026	Octapolar	Cournand	5mm	115cm	560004A
400025	Octapolar	Damato	2mm	115cm	560004A

Viking Fixed Curve Catheter – 6F (cont'd)

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400029	Octapolar	Damato	2,5,2mm	115cm	560004A
400030	Decapolar	Josephson	2mm	115cm	560004A
400034	Decapolar	Josephson	2,5,2mm	115cm	560004A
400031	Decapolar	Cournand	2mm	115cm	560004A
400035	Decapolar	Cournand	2,5,2mm	115cm	560004A
400033	Decapolar	Cournand	5mm	115cm	560004A
400032	Decapolar	Damato	2mm	115cm	560004A
400036	Decapolar	Damato	2,5,2mm	115cm	560004A
400107	Decapolar	Elmhurst	2,5,2mm	65cm	560004A
400101	Decapolar	CSCrv	2mm	65cm	560004A
400100	Decapolar	CSCrv	2,8,2mm	65cm	560004A
400099	Decapolar	CSCrv	2,5,2mm	65cm	560004A
6FVS0039P	Decapolar	KCrv	2,9,2mm	115cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Viking™ Soft Tip & Tango™ Ordering Information

Viking Soft Tip Fixed Curve Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400537	Bipolar	Josephson	10mm	110cm	560002A
400538	Bipolar	Cournand	10mm	110cm	560002A
400501	Quadripolar	Josephson	2mm	110cm	560002A
400507	Quadripolar	Josephson	2,5,2mm	110cm	560002A
400504	Quadripolar	Josephson	5mm	110cm	560002A
400510	Quadripolar	Josephson	10mm	110cm	560002A
400502	Quadripolar	Cournand	2mm	110cm	560002A
400508	Quadripolar	Cournand	2,5,2mm	110cm	560002A
400505	Quadripolar	Cournand	5mm	110cm	560002A
400511	Quadripolar	Cournand	10mm	110cm	560002A
400503	Quadripolar	Damato	2mm	110cm	560002A
400509	Quadripolar	Damato	2,5,2mm	110cm	560002A
400506	Quadripolar	Damato	5mm	110cm	560002A
400512	Quadripolar	Damato	10mm	110cm	560002A
405119	Quadripolar	Hisser	2mm	110cm	560002A
405120	Quadripolar	Hisser	2,5,2mm	110cm	560002A
405121	Quadripolar	Hisser	5mm	110cm	560002A
400513	Hexapolar	Josephson	2mm	110cm	560004A

Viking Soft Tip – 6F (cont'd)

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400519	Hexapolar	Josephson	2,5,2mm	110cm	560004A
400516	Hexapolar	Josephson	5mm	110cm	560004A
400514	Hexapolar	Cournand	2mm	110cm	560004A
400520	Hexapolar	Cournand	2,5,2mm	110cm	560004A
400517	Hexapolar	Cournand	5mm	110cm	560004A
400522	Hexapolar	Cournand	10mm	110cm	560004A
400515	Hexapolar	Damato	2mm	110cm	560004A
400521	Hexapolar	Damato	2,5,2mm	110cm	560004A
400518	Hexapolar	Damato	5mm	110cm	560004A
400523	Octapolar	Josephson	2mm	110cm	560004A
400527	Octapolar	Josephson	2,5,2mm	110cm	560004A
400524	Octapolar	Cournand	2mm	110cm	560004A
400528	Octapolar	Cournand	2,5,2mm	110cm	560004A
400526	Octapolar	Cournand	5mm	110cm	560004A
400525	Octapolar	Damato	2mm	110cm	560004A
400529	Octapolar	Damato	2,5,2mm	110cm	560004A
400530	Decapolar	Josephson	2mm	110cm	560004A
400534	Decapolar	Josephson	2,5,2mm	110cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Viking™ Soft Tip & Tango™ Ordering Information

Viking Soft Tip – 6F (cont'd)

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400531	Decapolar	Cournand	2mm	110cm	560004A
400535	Decapolar	Cournand	2,5,2mm	110cm	560004A
400533	Decapolar	Cournand	5mm	110cm	560004A
400536	Decapolar	Damato	2,5,2mm	110cm	560004A
400532	Decapolar	Damato	2mm	110cm	560004A

Tango Fixed Curve Catheter – 5F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400540	Bipolar	Cournand	10mm	110cm	560002A
400539	Bipolar	Josephson	10mm	110cm	560002A
400541	Quadripolar	Josephson	2mm	110cm	560002A
400552	Quadripolar	Josephson	2,5,2mm	110cm	560002A
400544	Quadripolar	Josephson	5mm	110cm	560002A
400550	Quadripolar	Josephson	10mm	110cm	560002A

Tango Fixed Curve Catheter – 5F (cont'd)

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
400542	Quadripolar	Cournand	2mm	110cm	560002A
400553	Quadripolar	Cournand	2,5,2mm	110cm	560002A
400545	Quadripolar	Cournand	5mm	110cm	560002A
400551	Quadripolar	Cournand	10mm	110cm	560002A
400546	Quadripolar	Damato	5mm	110cm	560002A
405122	Quadripolar	Hisser	2mm	110cm	560002A
405123	Quadripolar	Hisser	2,5,2mm	110cm	560002A
405124	Quadripolar	Hisser	5mm	110cm	560002A
400549	Pentapolar	Interian	10,5,5,5mm	110cm	560004A
400557	Hexapolar	Cournand	5mm	110cm	560004A
400570	Decapolar	Josephson	2mm	110cm	560004A
400574	Decapolar	Josephson	2,5,2mm	110cm	560004A
400571	Decapolar	Cournand	2mm	110cm	560004A
400575	Decapolar	Cournand	2,5,2mm	110cm	560004A
400572	Decapolar	CSCrv	2mm	110cm	560004A
400577	Decapolar	CSCrv	2,5,2mm	110cm	560004A
400579	Decapolar	CSCrv	2,8,2mm	110cm	560004A
400576	Decapolar	Elmhurst	2,5,2mm	110cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Dynamic XT™ Ordering Information

Dynamic XT Steerable Diagnostic Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
201112	Quad	Large 4.0	2mm	110cm	200088P
201103	Quad	Large 4.0	2,5,2mm	110cm	200088P
201104	Quad	Large 4.0	5mm	110cm	200088P
201110	Quad	Large 4.0	10mm	110cm	200088P
201113	Hex	Large 4.0	5mm	110cm	200089P
201109	Hex	Large 4.0	10mm	110cm	200089P
201106	Octa	Large 4.0	2mm	110cm	200774P
201105	Octa	Large 4.0	2,5,2mm	110cm	200774P
201108	Octa	Large 4.0	2,10,2mm	110cm	200774P
201107	Octa	Large 4.0	5mm	110cm	200774P
6DYNXT002	Deca	Large 4.0	5mm	110cm	560004A
201102	Deca	Large 4.0	2,6,2mm	110cm	560004A
201101	Deca	Large 4.0	2,5,2mm	110cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Polaris X™
Ordering Information

Polaris X Steerable Diagnostic Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
M0047000D0	Decapolar	270º Standard	2.5mm	105cm	M0045454S0
M0047001D0	Decapolar	270º Standard	5mm	105cm	M0045454S0
M0047003D0	Decapolar	270º Standard	2.5,5,2.5mm	105cm	M0045454S0
M0047004D0	Decapolar	270º Standard	2,8,2mm	105cm	M0045454S0
M0047005D0	Decapolar	270º Standard	2,10,2mm	105cm	M0045454S0

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

EP•XT™
Ordering Information

EP•XT Steerable Diagnostic Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
200770	Quadripolar	Large 4.0	2,5,2mm	110cm	200088P
200769	Quadripolar	Large 4.0	5mm	110cm	200088P
200772	Hexapolar	Large 4.0	2,5,2mm	110cm	200089P
200795	Octapolar	Large 4.0	2mm	110cm	200774P
200794	Octapolar	Large 4.0	2,5,2mm	110cm	200774P
200797	Octapolar	Large 4.0	2,10,2mm	110cm	200774P
200796	Octapolar	Large 4.0	5mm	110cm	200774P
201007	Decapolar	Large 4.0	2,5,2mm	110cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Dynamic Tip™ Ordering Information

Dynamic Tip Steerable Diagnostic Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
6DYNTP002	Quadripolar	Large 4.0	2,5,2mm	110cm	560002A
200344	Quadripolar	Large 4.0	5mm	110cm	200088P
200131	Quadripolar	Large 4.0	10mm	110cm	200088P
6DYNTP006	Octapolar	Large 4.0	2mm	110cm	560004A
6DYNTP001	Decapolar	Large 4.0	2,5,2mm	110cm	560004A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

CS Assist
Ordering Information

CS Assist Steerable Diagnostic Catheter – 6F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
6DYNXT015	Bipolar	Large 4.0	5mm	80cm	560002A
6DYNXT014	Bipolar	Large 4.0	5mm	65cm	560002A

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Blazer™ Dx-20 Ordering Information

Blazer Dx-20 Steerable Diagnostic Catheter – 7F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
M00420M2220	Duodecapolar	Medium	2mm	109cm	M00420S0
M00420M2520	Duodecapolar	Medium	2,5,2mm	109cm	M00420S0
M00420M270280	Duodecapolar	Medium	2,2,2,70,2,8,2mm	109cm	M00420S0
M00420M255050	Duodecapolar	Medium	2,5,2,50,5,5,5mm	109cm	M00420S0
M00420M28400	Duodecapolar	Medium	2,8,2,40,2,8,2mm	109cm	M00420S0
M00420M210350	Duodecapolar	Medium	2,10,2,35,2,10,2mm	109cm	M00420S0
M00420M54050	Duodecapolar	Medium	5,5,5,40,5,5,5mm	109cm	M00420S0
M00420SL2220	Duodecapolar	Super Large	2mm	109cm	M00420S0
M00420SL2520	Duodecapolar	Super Large	2,5,2mm	109cm	M00420S0
M00420SL2820	Duodecapolar	Super Large	2,8,2mm	109cm	M00420S0
M00420SL21020	Duodecapolar	Super Large	2,10,2mm	109cm	M00420S0
M00420SL28600	Duodecapolar	Super Large	2,8,2,60,2,8,2mm	109cm	M00420S0
M00420SL220250	Duodecapolar	Super Large	2,20,2,2,2,25,2,25,2,2 5,2mm	109cm	M00420S0
M00420SL5550	Duodecapolar	Super Large	5mm	109cm	M00420S0

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Orbiter™ ST and Radia™ Ordering Information

Orbiter ST Steerable Catheter – 7F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
320003	Decapolar	D Type	2,5,2mm	95cm	390003P
320007	Duodecapolar	Orbiter ST Small	2,5,2mm	95cm	390003P
320006	Duodecapolar	Orbiter ST Small	2,7,2mm	95cm	390003P
320002	Duodecapolar	Orbiter ST Small	2,10,2mm	95cm	390003P
320008	Duodecapolar	Orbiter ST Small	2,20,2,2,2mm	95cm	390003P
320010	Duodecapolar	Orbiter ST Small	2,60,2,8,2mm	95cm	390003P
320001	Duodecapolar	Orbiter ST Large	2,14,2mm	95cm	390003P
320009	Duodecapolar	D Type	1,3,1mm	95cm	390003P

Radia Steerable Catheter – 7F

Item Code	Electrodes	Curve Type	Electrode Spacing	Length	Cable
320011G	Decapolar	D Type	2,5,2mm	95cm	390003P
7FRAD003G	Duodecapolar	Radia Medium	2,5,2mm	95cm	560004A
320016G	Duodecapolar	Radia Medium	2,7,2mm	95cm	390003P
7FRAD004G	Duodecapolar	Radia Medium	2,10,2mm	95cm	560004A
320017G	Duodecapolar	Radia Extra Large	2,5,2mm	95cm	390003P
320013G	Duodecapolar	Radia Extra Large	2,10,2mm	95cm	390003P
320012G	Duodecapolar	Radia Extra Large	2,14,2mm	95cm	390003P
320020G	Duodecapolar	Radia Extra Large	2,8,2,60,2,8,2 mm	95cm	390003P
320018G	Duodecapolar	Radia Extra Large	2,20,2,2,2mm	95cm	390003P
320019G	Duodecapolar	CristalisCrv	1,3,1mm	95cm	390003P

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

SteeroCath-Dx™ Ordering Information

SteeroCath-Dx Steerable Diagnostic Catheter – 7F

Item Code	Electrodes	Curve Type	Electrode Spacing	Cable
M0042027BL0	Octapolar	Bi-directional Standard	2.5mm	M004626S0
M0042028BL0	Octapolar	Bi-directional Standard	2.5,5,2.5mm	M004626S0

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Constellation™ Ordering Information

Constellation Mapping Catheter – 8F

Item Code	Electrodes	Curve Type	Catheter Length
M004US8031U0	64	31mm Basket Diameter w/ 2mm Electrode Spacing	120cm
M004US8038U0	64	38mm Basket Diameter w/ 3mm Electrode Spacing	120cm
M004US8048U0	64	48mm Basket Diameter w/ 4mm Electrode Spacing	120cm
M004US8060U0	64	60mm Basket Diameter w/ 5mm Electrode Spacing	120cm
M004US8075U0	64	75mm Basket Diameter w/ 7mm Electrode Spacing	120cm

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Orbiter™ PV Ordering Information

Orbiter PV Mapping Catheter – 7.5F–5F Tapered Tip Loop

Item Code	Electrodes	Curve Type	Catheter Length
320100	14	14.5-25mm Basket Diameter w/ 5mm Electrode Spacing	105cm

The most commonly ordered items are listed on this page. For additional spacing and electrode options, please consult the Boston Scientific Product Catalog.

Boston Scientific

Cable
Quick Reference Guide

Fixed Curve Catheters | Steerable Catheters | Advanced Mapping Catheters

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EP Diagnostic Catheters and Cables
Quick Reference Guide

Product[1]	Poles	Cable Item Code and Description		Reuse
Fixed Diagnostic Curves				
Viking™ Viking Specials (6FVS, 5FVS) Viking ST™ Tango™	Bi Tri Quad	560002A 560002RA 560002BA 560002YA 560003A	4-Pin SureLink (120cm) RED 4-Pin SureLink (120cm) BLUE 4-Pin SureLink (120cm) YELLOW 4-Pin SureLink (120cm) 4-Pin SureLink (210cm)	Autoclave Sterrad 10x[2] ETO 3x
	Hex Octa Deca	560001A 560004A	10-Pin SureLink (210cm) 10-Pin SureLink (120cm)	
Steerable Diagnostic Curves				
Dynamic XT™ DynamicTip™ EP·XT™	Quad	200088P	4-Pin EasyMate (125cm)	ETO 5x
	Hex	200089P	6-Pin EasyMate (125cm)	
	Octa	200774P	8-Pin EasyMate (125cm)	
	Deca	560001A 560004A	10-Pin SureLink (210cm) 10-Pin SureLink (120cm)	Autoclave Sterrad 10x[2] ETO 3x
Dynamic XT Specials (6DYNXT) DynamicTip Specials (6DYNTP) EP·XT Specials (6EPXT)	Bi Tri Quad	560002A 560002RA 560002BA 560002YA 560003A	4-Pin SureLink (120cm) RED 4-Pin SureLink (120cm) BLUE 4-Pin SureLink (120cm) YELLOW 4-Pin SureLink (120cm) 4-Pin SureLink (210cm)	
	Hex Octa Deca	560001A 560004A	10-Pin SureLink (210cm) 10-Pin SureLink (120cm)	
Radia™ Specials (7FRAD)	Deca	560001A 560004A	10-Pin SureLink (210cm) 10-Pin SureLink (120cm)	
Polaris X™	Deca	M004 5454S 0	10-Pin Polaris X Deca (152cm)	ETO 10x
SteeroCath-Dx™	Octa	M004 626S 0	8-Pin SteeroCath-Dx (91cm)	
Orbiter ST™ Radia	Deca DuoDeca	390003P 390004P	24-Pin Orbiter ST (120cm) 24-Pin Orbiter ST (210cm)	ETO 3x
Blazer Dx-20™	DuoDeca	M004 20S 0	20-Pin (152cm)	ETO 10x Sterrad 3x[3]
Orbiter PV™	14-Pole Loop	390008P[4]	14-Pin Orbiter PV (185cm)	ETO 3x

1. Woven, WovenFlexie and Constellation are not included. Please see product catalog for applicable cables.
2. Cycles 50 and 100S.
3. Cycles 100S.
4. The 390003P and 320004P can also be used with the Orbiter PV.

Indications, Safety and Warnings

Refer to the operator's manual for complete instructions for use.

Fixed Curve Catheters | Steerable Catheters | Advanced Mapping Catheters

EP-287302-AC OCT2015

Woven, WovenFlexie™ Fixed Curve Catheters

Indications for use

BARD® Electrophysiology's fixed curve diagnostic electrode catheters are intended for temporary intracardiac sensing, recording, stimulation and temporary pacing during the evaluation of cardiac arrhythmias.

Contraindications

- The transseptal approach is contraindicated in patients with left atrial thrombus or myxoma, or interatrial baffle patch. The retrograde transaortic approach is contraindicated in patients with aortic valve replacement.

Warnings

- The risks of using electrophysiology catheters include those risks related to heart catheterization, such as thromboembolism, perforation, tamponade, and infection. The induction of an unintended arrhythmia is a known complication.
- Do not use excessive force to advance or withdraw the catheter when resistance is encountered.
- If using an open lumen catheter remove any guidewire/stylette prior to electrical stimulation.

Precautions

- Excessive bending, torquing, or kinking of the electrode catheter may cause damage to the catheter, including damage to the internal wires.
- Use only sterile saline or water to wipe this catheter.

Viking™, Viking™ Soft Tip, Tango™ Fixed Curve Catheters

Indications for use

Viking, Viking Soft Tip and Tango Fixed Curve Diagnostic Catheters are intended for temporary intracardiac sensing, recording, stimulation and temporary pacing during the evaluation of cardiac arrhythmias.

Contraindications

- The transseptal approach is contraindicated in patients with left atrial thrombus or myxoma, or interatrial baffle patch. The retrograde transaortic approach is contraindicated in patients with aortic valve replacement.

Warnings

- The risks of using electrophysiology catheters include those risks related to heart catheterization such as thromboembolism, perforation, tamponade, and infection. The induction of an unintended arrhythmia is a known complication.
- Do not use excessive force to advance or withdraw the catheter when resistance is encountered.

Precautions

- Excessive bending, torquing or kinking of the electrode catheter may cause damage to the catheter, including damage to the internal wires.
- Use only sterile saline or water to wipe this catheter.

Dynamic Tip™, Dynamic XT™, EP•XT™, CS Assist Steerable Diagnostic Catheters

Indications for use
EP-XT, Dynamic Tip and Dynamic XT Unidirectional Steerable Diagnostic Catheters are intended for temporary Intracardiac sensing, recording, stimulation and temporary pacing during the evaluation of cardiac arrhythmias.

Contraindications
The transseptal approach is contraindicated in patients with left atrial thrombus or myxoma, or interatrial baffle patch. The retrograde transaortic approach is contraindicated in patients with aortic valve replacement.

Warnings
- This device should be used only by physicians thoroughly trained in the techniques of intracardiac electrophysiology studies and temporary pacing.
- The risks of using electrophysiology catheters include those risks related to heart catheterization such as thromboembolism, perforation, tamponade, and infection. The induction of an unintended arrhythmia is a known complication.
- Reuse and/or repackaging may create a risk of patient or user infection, compromise the structural integrity and/or essential material and design characteristics of the device, which may lead to device failure, and/or lead to injury, illness or death of the patient.
- Do not use excessive force to advance or withdraw the catheter when resistance is encountered.
- Catheter advancement should be done under fluoroscopic guidance.

Precautions
- The safety and effectiveness of this device as an ablation catheter have not been established. Therefore, such use is considered investigational.
- Use only sterile saline or water to wipe this catheter.
- Avoid submerging the catheter handle in any solution.
- For catheters equipped with a cable connector, use with the appropriate Boston Scientific cable.
- Excessive bending, torquing or kinking of the electrode catheter may cause damage to the catheter, including damage to the internal wires.

Polaris X™
Steerable Diagnostic Catheter

Device Description
The Boston Scientific diagnostic catheters are designed for use in intracardiac pacing and recording only. The catheters have been designed to carry electrical signals for the purpose of endocardial stimulation (pacing) or recording. The Polaris Dx Catheter and the Polaris X Catheter are uni-directional steerable catheters. The curve is actuated by means of a patented thumb-slide (see Figure 1)

Indications for use
The catheter is intended for temporary use in electrophysiology studies for intracardiac stimulation (pacing) and/or recording of electrical potentials.

Contraindications
Caution should be exercised, in the use of this or any other catheter, in patients with prosthetic valves. Patients with recurrent sepsis or with hypercoaguable state should not be considered candidates for transvascular catheters, since the catheter could serve as a focal point for septic or blood thrombus formation.

Warnings
- The device(s) should be used by physicians thoroughly trained in the techniques of invasive cardiology and in the specific approach to be used.
- Care must be taken to ensure that any equipment used in connection with the BSC Catheters be type CF, be defibrillation proof, meet IEC 60601-1 electrical safety requirements, and comply with local regulatory requirements for the specified intended use.
- The use of catheters or cables with unprotected male pin connectors presents a risk of electrical hazard. Inadvertent attachment of pin connectors to power supply sockets of connectors could result in electrocution of the patient or operator.
- Diagnostic electrophysiology involves x-ray exposure that present the potential risk for somatic and genetic effects, to both patients and laboratory staff due to the x-ray beam and intensity and duration of the fluoroscopic imaging. Steps should be taken to minimize this exposure as much as possible.
- Careful catheter manipulation must be performed to avoid cardiac damage, perforation, or tamponade. Catheter advancement should be performed under fluoroscopic guidance. Do not use excessive force to advance or withdraw the catheter when resistance is encountered.
- This catheter is not indicated for use in Cardiac Ablation or Coronary Artery Mapping.

Precautions
- Excessive bending or kinking of the catheter shaft may damage internal wires. Manual prebending of the distal curve can damage the steering mechanism and/or electrical wires, and may cause patient injury.
- Before using, inspect for physical damage, including electrical insulation on the cables and the catheter shaft. Replace damaged equipment.

Adverse Events
The following potential risks or discomforts may be associated with diagnostic BSC procedure. The frequency and severity of these adverse events can vary, and may necessitate additional medical intervention, including surgery.

- Allergic reaction
- Arrhythmias
- Cardiac or respiratory arrest
- Cardiac valve damage
- Catheter entrapment/entanglement
- Chest pain
- Damage to vessel intima or cardiac structures
- Death
- Embolus, air embolus
- Hematoma/ecchymosis
- Hemorrhage
- Hypotension
- Infection
- Myocardial infarction
- Perforation
- Pericardial effusion
- Pericarditis/pleuritis
- Pneumothorax
- Pseudoaneurysm
- Pulmonary edema
- Sinus or AV node injury
- Stroke
- Tamponade
- Thrombosis
- Vasovagal reaction
- X-ray exposure

Blazer™ Dx-20
Bidirectional Duodecapolar Diagnostic Catheter

Indication for Use
The Blazer Dx-20 Catheter is intended for temporary use in electrophysiology studies intracardiac stimulation (pacing) and/or recording of electrical potentials.

Contraindications
- Caution should be exercised, in the use of these or any other catheters, in patients with prosthetic valves.
- Patients with recurrent sepsis or with hypercoaguable state should not be considered candidates for transvascular catheters, since the catheter could serve as a focal point for septic or blood thrombus formation.
- Care should be taken during placement and removal of this or any diagnostic catheter, so as to avoid disturbing permanent internal pacing/defibrillation leads.
- The Blazer Dx-20 Catheter is contraindicated for transseptal approach in patients with atrial thrombus or myxoma, or interatrial baffle or patch.
- The Blazer Dx-20 Catheter is contraindicated for use from the femoral approach in patients who have vena cava embolic protection filter devices or known femoral thrombus.

Warnings
- The device(s) should be used by physicians thoroughly trained in the techniques of invasive cardiology and in the specific approach to be used.
- Care must be taken to ensure that any equipment used in connection with the BSC Catheter meet IEC 60601-1 electrical safety and IEC 60601-1-2 electromagnetic compatibility requirements, be type CF, be defibrillation proof, system configurations meet IEC 60601-1-1 electrical safety requirements and comply with local regulatory requirements for the specified intended use.
- The use of catheters or cables with unprotected male pin connectors presents a risk of electrical hazard. Inadvertent attachment of pin connectors to power supply sockets of connectors could result in electrocution of the patient or operator.
- Do not use Blazer Dx-20 Catheter as an internal defibrillation catheter. Doing so may result in perforation, arrhythmias, embolism, thrombus, and/or patient death.
- Diagnostic electrophysiology involves x-ray exposure that presents the potential risk for somatic and genetic effects to both patients and laboratory staff due to the x-ray beam and intensity and duration of the fluoroscopic imaging. Steps should be taken to minimize this exposure as much as possible.
- Careful catheter manipulation must be performed to avoid cardiac damage, perforation, or tamponade.
- Catheter advancement should be performed under fluoroscopic guidance.
- Do not use excessive force to advance or withdraw the catheter when resistance is encountered.
- Stimulation of cardiac tissues caused by pacing stimuli may lead to inadvertent induction of arrhythmias. These arrhythmias may require defibrillation that could also result in skin burns.
- Do not use if package is opened or damaged.
- This catheter is not indicated for use in Cardiac Ablation or Coronary Artery Mapping.

Precautions
- Excessive bending or kinking of the catheter shaft may damage internal wires.
- Manual prebending of the distal curve can damage the steering mechanism and/or electrical wires and may cause patient injury.
- Before using, check shelf life. Do not use catheter after expiration date.

Adverse Events
The following potential risks or discomforts may be associated with diagnostic BSC procedures. The frequency and severity of these adverse events can vary and may necessitate additional medical intervention, including surgery Allergic reaction, Arrhythmias, Cardiac or respiratory arrest, Cardiac valve damage, Catheter entrapment/entanglement, Chest pain, Damage to vessel intima or cardiac structures, Death, Embolus, air embolus, Hematoma/ecchymosis, Hemorrhage, Hypotension, Infection, Myocardial infarction, Perforation, Pericardial effusion, Pericarditis/pleuritis, Pneumothorax, Pseudoaneurysm, Pulmonary edema, Sinus or AV node injury, Stroke, Tamponade, Thrombosis, Vasovagal reaction, X-ray exposure

Radia™ Steerable Diagnostic Catheter

Indications for Use
Radia Bidirectional Steerable Diagnostic Catheter is intended for temporary intracardiac sensing, recording, stimulation and temporary pacing during the evaluation of cardiac arrhythmias.

Contraindications
- The catheter should not be used in conditions where manipulation of the catheter would be unsafe (e.g. Intracardiac mural thrombus).
- The transseptal approach is contraindicated in patients with left atrial thrombus or myxoma, or interatrial baffle patch. The retrograde transaortic approach is contraindicated in patients with aortic valve replacement.

Warnings
- This device should be used only by physicians thoroughly trained in the techniques of intracardiac electrophysiology studies and temporary pacing.
- The risks of using electrophysiology catheters include those risks related to heart catheterization such as thromboembolism, perforation, tamponade, and infection. The induction of an unintended arrhythmia is a known complication.
- Reuse and/or repackaging may create a risk of patient or user infection, compromise the structural integrity and/or essential material and design characteristics of the device, which may lead to device failure, and/or lead to injury, illness or death of the patient.
- Do not use excessive force to advance or withdraw the catheter when resistance is encountered.
- Catheter advancement and adjustments should be done under fluoroscopic guidance.

Precautions
- Use only sterile saline or water to wipe this catheter.
- Avoid submerging the catheter handle in any solution.
- For catheters equipped with a cable connector, use with the appropriate Boston Scientific cable.
- Excessive bending, torquing or kinking of the electrode catheter may cause damage to the catheter, including damage to the internal wires.

Orbiter™ ST Steerable Diagnostic Catheter

Indications for Use
Orbiter ST Bidirectional Steerable Diagnostic Catheter is intended for temporary intracardiac sensing, recording, stimulation and temporary pacing during the evaluation of cardiac arrhythmias.

Contraindications
- The catheter should not be used in conditions where manipulation of the catheter would be unsafe (e.g. Intracardiac mural thrombus).
- The transseptal approach is contraindicated in patients with left atrial thrombus or myxoma, or interatrial baffle patch. The retrograde transaortic approach is contraindicated in patients with aortic valve replacement.

Warnings
- This device should be used only by physicians thoroughly trained in the techniques of intracardiac electrophysiology studies and temporary pacing.
- The risks of using electrophysiology catheters include those risks related to heart catheterization such as thromboembolism, perforation, tamponade, and infection. The induction of an unintended arrhythmia is a known complication.
- Reuse and/or repackaging may create a risk of patient or user infection, compromise the structural integrity and/or essential material and design characteristics of the device, which may lead to device failure, and/or lead to injury, illness or death of the patient.
- Do not use excessive force to advance or withdraw the catheter when resistance is encountered.
- Catheter advancement should be done under fluoroscopic guidance

Precautions
- Use only sterile saline or water to wipe this catheter.
- Avoid submerging the catheter handle in any solution.
- For catheters equipped with a cable connector, use with the appropriate Boston Scientific cable.
- Excessive bending, torquing or kinking of the electrode catheter may cause damage to the catheter, including damage to the internal wires.

SteeroCath-Dx™
Steerable Diagnostic Catheter

Indications for Use
The catheter is intended for temporary use in electrophysiology studies for intracardiac stimulation (pacing) and/or recording of electrical potentials.

Contraindications
Caution should be exercised, in the use of this or any other catheter, in patients with prosthetic valves. Patients with recurrent sepsis or with hypercoaguable state should not be considered candidates for transvascular catheters, since the catheter could serve as a focal point for septic or blood thrombus formation.

Warnings
- The use of catheters or cables with unprotected male pin connectors presents a risk of electrical hazard. Inadvertent attachment of pin connectors to power supply sockets of connectors could result in electrocution of the patient or operator.
- Diagnostic electrophysiology involves x-ray exposure that present the potential risk for somatic and genetic effects, to both patients and laboratory staff due to the x-ray beam and intensity and duration of the fluoroscopic imaging. Steps should be taken to minimize this exposure as much as possible.
- Careful catheter manipulation must be performed to avoid cardiac damage, perforation, or tamponade. Catheter advancement should be performed under fluoroscopic guidance. Do not use excessive force to advance or withdraw the catheter when resistance is encountered.
- This catheter is not indicated for use in Cardiac Ablation or Coronary Artery Mapping.

Precautions
- Excessive bending or kinking of the catheter shaft may damage internal wires. Manual prebending of the distal curve can damage the steering mechanism and/or electrical wires, and may cause patient injury.

Adverse Events
The following potential risks or discomforts may be associated with diagnostic BSC procedures. The frequency and severity of these adverse events can vary, and may necessitate additional medical intervention, including surgery.

- Allergic reaction
- Arrhythmias
- Cardiac or respiratory arrest
- Cardiac valve damage
- Catheter entrapment/entanglement
- Chest pain
- Damage to vessel intima or cardiac structures
- Death
- Embolus, air embolus
- Hematoma/ecchymosis
- Hemorrhage
- Hypotension
- Infection
- Myocardial infarction
- Perforation
- Pericardial effusion
- Pericarditis/pleuritis
- Pneumothorax
- Pseudoaneurysm
- Pulmonary edema
- Sinus or AV node injury
- Stroke
- Tamponade
- Thrombosis
- Vasovagal reaction
- X-ray exposure

Constellation™ Mapping Catheter

Indications for Use For use in right and left atrial electrophysiology procedures to assist in the diagnosis of complex arrhythmias that may be difficult to identify using conventional mapping systems alone (i.e., linear mapping catheters). The Constellation Multiple Electrode Recording and Pacing Catheter System may also be used for delivery of externally generated pacing stimuli.

Contraindications The Constellation Multiple Electrode Recording and Pacing Catheter is contraindicated in patients: who cannot be anticoagulated or infused with heparinized saline or have heparin-induced thrombocytopenia • who have vena cava embolic protection filter devices and/or known femoral thrombus who require catheter insertion from the femoral approach •for whom catheter placement is in or through a chamber where any permanent leads are present • with atrial thrombus or myxoma, or inter-atrial baffle or patch for transseptal approach • with recurrent/active sepsis or with hypercoagulable state should not be considered candidates for transvascular catheters because the catheter could serve as a focal point for septic or blood thrombus formation •with echocardiographically-confirmed visual presence of thrombus • for whom the inability of obtaining vascular access exists • with hemodynamic instability or shock.

Warnings The use of this device in conjunction with radiofrequency ablation, as part of the diagnosis and treatment of cardiac arrhythmias, may pose an increased risk of adverse events, such as cardiac perforation, myocardial infarction, air embolism, and hematoma requiring surgical repair and/or blood transfusion. This device has not been shown to be safe and effective for use in any cardiac chambers except the atria • The Constellation Multiple Electrode Recording and Pacing Catheter requires the use of a guiding sheath for insertion to minimize patient injury and/or damage to the device • Position the guiding sheath so that it is positioned where you want to deploy the Basket. Advance the Constellation Multiple Electrode Recording and Pacing Catheter until the distal tip of the catheter is near the distal tip of the guiding sheath. Holding the catheter body stationary, slowly withdraw the guiding sheath to allow the basket assembly to expand into the chamber or adjacent vein (e.g., Superior Vena Cava, Right Superior Pulmonary Vein, etc.); thereby reducing the risk of perforation and/or tamponade • Do not ablate over the diagnostic electrodes on the Constellation Multiple Electrode Recording and Pacing Catheter. Contact between the ablation catheter tip and the diagnostic electrode may create or aid in transference of char and/or coagulum and may result in embolism and/or damage to the catheter • To reduce the risk of entanglement and/or entrapment with the Constellation Multiple Electrode Recording and Pacing Catheter, insert it as the first catheter into the cardiac chamber. If other catheters are used concurrently with the Constellation Multiple Electrode Recording and Pacing Catheter, remove those catheters before removing or repositioning the Constellation Multiple Electrode Recording and Pacing Catheter. When in the proximity of the tricuspid valve or mitral valve, take care to avoid entanglement with chordae tendineae • Carefully manipulate the catheter and/or guiding sheath to avoid causing cardiac damage, perforation, or tamponade. Advance the catheter and/or guiding sheath under fluoroscopic guidance. Do not advance or withdraw the catheter and/or guiding sheath against excessive resistance. Do not torque the catheter while it is fully deployed • Maintain activated clotting time (ACT) levels above 300 seconds at all times during the procedure and monitor throughout Constellation Multiple Electrode Recording and Pacing Catheter use. Failure to do so may increase the risk of thrombus formation, which could lead to complications • Do not leave the catheter in situ more than three hours for the cumulative duration of catheter placement • Catheter mapping procedures present the potential for significant x-ray exposure, which can result in acute radiation injury as well as increased risk for somatic and genetic defects in both patients and laboratory staff due to the x-ray beam intensity and duration of the fluoroscopic imaging. Catheter mapping should only be performed after adequate attention has been given to the potential radiation exposure associated with the procedure, and steps have been taken to minimize this exposure • To minimize risk of air embolus, flush the guiding sheath to remove all air before introduction into vasculature. The introduction of the Constellation Multiple Electrode Recording and Pacing Catheter into the guiding sheath also has the potential to introduce air into the guiding sheath. To reduce the risk of introducing air emboli during catheter insertion, aspirate the guiding sheath • Manual pre-bending of the distal assembly can damage the basket assembly and may cause patient injury • Use only isolated amplifiers, pacing equipment, and ECG equipment or patient injury or death may occur. Leakage current from any connected device to the patient must not exceed 10 micro-amps under any circumstances • Ensure that the EGM recorder pacing stimulator is not active when connecting the Constellation Multiple Electrode Recording and Pacing Catheter to reduce the risk of initiating an arrhythmia • No modification of this equipment is allowed • Because the long-term effects of exposure to ionizing radiation are unknown, careful consideration should therefore be given to pregnant women and pre-pubescent children.

Precautions Preclinical and clinical testing show that small thrombi may attach to the basket and splines at locations where there is an abrupt change in geometry. However, there were no clinical sequelae. Ensure the patient is appropriately anticoagulated to ensure thrombus formation is minimized • As with percutaneous placement of any sheath or catheter, carefully monitor the vascular puncture site • The Constellation Multiple Electrode Recording and Pacing Catheter is NOT intended for use as an ablation catheter • Excessive bending or kinking of the catheter shaft may damage internal wires • Catheter materials are not compatible with magnetic resonance imaging (MRI) • The use of catheters or cables with unprotected male pin connectors presents a risk of electrical hazard. Inadvertent attachment of pin connectors to power supply sockets or connectors could result in electrocution of the patient or operator. Use of components with shrouded pins is highly recommended. Those who use components with unprotected male pin connectors must exercise extreme caution during device setup to prevent patient or operator injury • Keep electrical connections dry.

Potential Adverse Events Adverse events which may be associated with catheterization • Allergic reaction • Arrhythmias • Cardiac valve damage • Catheter entrapment/entanglement • Chest pain • Damage to vessel intima or cardiac structures • Death • Embolism (air, thrombus, char, coagulum) • Fistula (A-V) /(esophageal) • Hematoma/ecchymosis • Hemorrhage • Hemothorax • Hypotension • Infection • Myocardial infarction • Nerve palsy or weakness • Perforation • Pericardial/Pleural effusion • Pericarditis/pleuritis • Phrenic nerve paralysis • Pneumothorax • Pseudoaneurysm • Pulmonary edema • Pulmonary vein stenosis • Radiation • Sinus or AV node injury • Stroke • Tamponade • Thromboembolism • Thrombus/Thrombosis • Valvular damage • Vascular bleeding/local hematomas • Vasovagal reactions• Visual blurring. INSPECTION PRIOR TO USE Carefully inspect the package prior to use for any breach of the sterile barrier or damage to the contents. If the sterile barrier integrity is compromised or the contents damaged, contact your Boston Scientific representative.

Observed Adverse Events The Constellation Catheter was studied in 84 patients undergoing electrophysiologic (EP) mapping and ablation. The number of patients with adverse events (major or minor) was 12 of 84 (14.3%). The difference of 14.3% has a 95% confidence interval of [6.8%, 21.8%]. The observed adverse events are listed in Table 2.

Orbiter™ PV Mapping Catheter

Indications and Usage

Orbiter PV Mapping Diagnostic Catheter is intended for temporary intracardiac sensing, recording, stimulation and temporary pacing during the evaluation of cardiac arrhythmias.

Contraindications

- The catheter should not be used in conditions where manipulation of the catheter would be unsafe (e.g. intracardiac mural thrombus).
- The transseptal approach is contraindicated in patients with left atrial thrombus or myxoma, or interatrial baffle patch. The retrograde transaortic approach is contraindicated in patients with aortic valve replacement.
- The retrograde transaortic approach is contraindicated due to the risk of entrapping the tip in the left ventricle.

Warnings

- This device should be used only by physicians thoroughly trained in the techniques of intracardiac electrophysiology studies, catheter ablation, and temporary pacing.
- Reuse and/or repackaging may create a risk of patient or user infection, compromise the structural integrity and/or essential material and design characteristics of the device, which may lead to device failure, and/or lead to injury, illness or death of the patient.
- The risks of using electrophysiology catheters include those risks related to heart catheterization such as thromboembolism, perforation, tamponade, pneumothorax, and infection. The induction of an unintended arrhythmia is a known complication of electrophysiologic procedures.
- Do not immerse the proximal handle or cable connector in fluids; electrical performance could be affected.
- To place the Orbiter PV catheter, torque (or rotate) shaft in a clockwise motion only.

Precautions

- Do not use excessive force to advance or withdraw the catheter when resistance is encountered because tissue damage or perforation could occur.
- All catheter adjustments should be done under fluoroscopic guidance.
- Use only sterile saline or water to wipe this catheter.
- For catheters equipped with a cable connector, use with the appropriate Boston Scientific cable.
- Excessive bending or kinking of the electrode catheter may cause damage to the catheter, including internal wires.
- Avoid fluid penetration into handle. Do not submerge the handle in any solution.
- Ensure that the loop is fully expanded and the catheter tip has been returned to the neutral position prior to removal from the patient.
- To avoid potential damage to anatomical structures, do not attempt to pull the catheter, or withdraw it with the loop in a contracted state. The loop should be fully expanded prior to removal from the patient.

Electrophysiology Diagnostic Catheter Family

Boston Scientific

The most
diagnost
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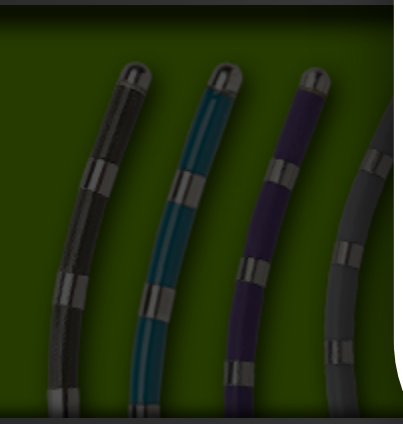

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- Return to the beginning
- Curve Options
- Ordering Information
- Cable Quick Reference Guide
- Indications, Safety and Warnings

Navigation Tips

	Woven Platform				Viking Platform		
	Woven	WovenFlexie	Woven Orbiter	Woven Orbiter HTD	Viking	Viking Soft Tip	Tango
French Size	4, 5, 6, 7	5, 6	6	6	5, 6	6	5
Curve Options	Josephson Cournand CS Damato K Straight His Milwaukee Orbiter Large Orbiter Small	Josephson Cournand Damato His	Damato Milwaukee Orbiter Large Orbiter Small	Milwaukee Orbiter Large Orbiter Small	Josephson Cournand Hisser Elmhurst CS Damato Interian Cox K Levine	Josephson Cournand Hisser Damato	Josephson Cournand Hisser Elmhurst CS Damato Interian
Electrode Offerings	Bi Quad Penta Hex Octa Deca 12 Poles 14 Poles Duodeca 24 Poles	Quad Penta Hex Octa	16 Poles 24 Poles	24 Poles	Bi Quad Penta Hex Octa Deca	Bi Quad Hex Octa Deca	Bi Quad Penta Hex Deca
Enhanced Features	Proprietary Woven Shaft Construction Bioflexibility Platinum Electrodes	Proprietary Woven Shaft Construction Bioflexibility Platinum Electrodes	Proprietary Woven Shaft Construction Bioflexibility Platinum Electrodes	Proprietary Woven Shaft Construction Bioflexibility Platinum Electrodes	Stabilene Double-stranded stainless steel braided shaft	Stabilene Double-stranded stainless steel braided shaft	Stabilene Double-stranded stainless steel braided shaft

Steerable Catheters

Find Your Ideal

	Dynamic Tip	Dynamic XT	EP•XT	Polaris X	CS Assist	SteeroCath-Dx	Blazer Dx-20	Radia	Orbiter ST
French Size	6	6	6	6	6	7	7	7	7
Unidirectional Bidirectional	Uni	Uni	Uni	Uni	Uni	Bi Symmetric	Bi Symmetric	Bi Asymmetric	Bi Asymmetric
Curve Options	Large 4.0	Large 4.0	Large 4.0	Standard 270	Large 4.0	Standard	Medium Super Large	Medium Extra Large D-Type Cristalis	Small Large D-Type Cristalis
Handle	Push/Pull	Push/Pull	Turn-Wheel	Push/Pull	Push/Pull	Lever with Adjustable Tension Control	Lever with Adjustable Tension Control	Rotational	Thumb-Actuator
Electrode Offerings	Quad Octa Deca	Quad Hex Octa Deca	Quad Hex Octa Deca	Deca	Bi	Octa	Duodeca	Deca Duodeca	Deca Duodeca
Enhanced Features	Distal Tip Actuation	Distal Tip Actuation Inner Spring Coil	Distal Tip Actuation Inner Spring Coil	Comfort Handle	Distal Tip Actuation Inner Spring Coil	Bidirectional steering with adjustable tension control	Bidirectional steering with adjustable tension control	Spring Core Shaft	Spring Core Shaft