

How To Use This Catalog

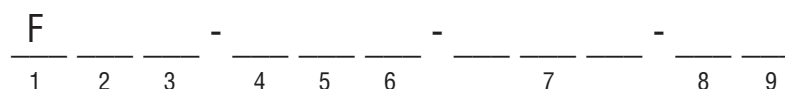
Catalog Numbering System

Our catalog numbering system has changed. The dashes and slashes have been eliminated in the coding sequences. For your convenience and reference, both the old and new catalog numbers are referenced on the product pages.

The catalog numbers are a logical extension of the characteristics of our products. Our unique numbering configurations quickly and easily identify the preferred product for any application.

Refer to the following chart and examples to determine the exact Fixed Curve catheter best suited to your need. You may also wish to use the curve and tip type drawings located on pages 19-24.

Fixed Curve Catheters



- 1 F—Fixed Curve catheter
- 2 French size
- 3 May be blank. S—Small Anatomy, A—insertion from “Above”, L—Lumen, C—WEBSTER COMPLI® Catheter
- 4 Multi-electrode tip. Q—Quadrapolar, H—Hexapolar, O—Octapolar, D—Decapolar, B—Bipolar
- 5 May be blank. R—Ring electrode at tip
- 6 Designates curve types
- 7 Electrode spacing, measured center to center in millimeters
Electrodes are approximately 1-1/3 mm wide
“2” spacing is approximately 2.5 mm with 1 mm edge to edge
2-5-2 spacing is 2 mm first to second electrode, 5 mm second to third electrode, 2 mm third to fourth electrode
P10 spacing is close pairs of electrodes centered 10 mm apart which is 2-8-2 mm spacing
- 8 Connector. M—Molded 9-pin, F—Molded 15-pin, RT—Redel 10-pin, ST—Shielded Tip pins
- 9 May be blank. Packaging: S—Sterile. All BWI products are available in a sterile package only with the exception of REFSTAR™ with QWIKPATCH® External Reference Patch.

Examples:

- | | |
|----------------------|--|
| F5C-QF-005-RT | Fixed, 5F, WEBSTER COMPLI® Catheter, Quadrapolar, F curve, 5 mm spacing, Redel 10-pin connector, Sterile |
| F4S-HH-252-RT | Fixed, 4F, Small Anatomy, Hexapolar, H curve, 2-5-2 mm spacing, Redel 10-pin connector, Sterile |
| F65-QF-005-RT | Fixed, 6F with 5F tip, Quadrapolar, F curve, 5 mm spacing, Redel 10-pin connector, Sterile |
| F5A-DP-282-RT | Fixed, 5F, from Above, Decapolar, P curve, 2-8-2 mm spacing Redel 10-pin connector, Sterile |
| F6-QRA-005-RT | Fixed, 6F, Quadrapolar, Ring electrode at tip, A curve, 5 mm spacing Redel 10-pin connector, Sterile |
| F7L-DG-P10-RT | Fixed, 7F, Lumen, Decapolar, G curve, pairs spaced at 10 mm (2-8-2) spacing, Redel 10-pin connector, Sterile |
| F6-20T-282-FS | Fixed, 6F, 20 electrodes, T curve, 2-12-2 mm spacing, Molded 15-pin connector, Sterile |

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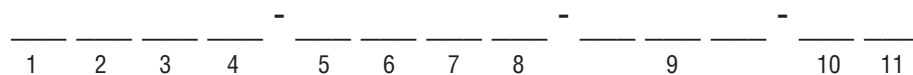
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Refer to the following chart and examples to determine the exact Deflectable Diagnostic catheter best suited to your need. You may also wish to use the curve and tip type drawings located on pages 25-32.

Catalog Numbering System

Deflectable Diagnostic Catheters



- 1 D—Deflectable Curve catheter
- 2 French size
- 3-4 May be blank. S—Small Anatomy or Small Heart, E—Enlarged Heart
- 5-6 Designates number of electrodes for non-quadrupolars (e.g. B = bipolar, 08 = octapolar, L = LASSO®)
- 7 Designates curve types
- 8 Tip electrode type. L—4 mm (6,7,8F), L—3 mm (5F), G—Grooved 4 mm (6,7,8F), R—Regular (1 mm)
- 5-8 In addition to the nomenclature described above, these positions may designate:
 - A20 – atrial curve, 20 poles
 - T20 – tricuspid curve, 20 poles
 - HIS – catheter designed for use at the His
 - POR – Porterfield design
 - 270 or 270R – 270° Revised
 - PRY – Perry Parahisian design
- 9 Electrode spacing, measured center to center in millimeters
Electrodes are approximately 1-1/3 mm wide
“2” spacing is approximately 2.5 mm with 1 mm edge to edge
2-5-2 spacing is 2 mm first to second electrode, 5 mm second to third electrode, 2 mm third to fourth electrode
P10 spacing is close pairs of electrodes centered at 10 mm apart which is 2-8-2 mm spacing
PRY spacing is 2-10-2-2-2-5-2
LASSO™ product indicates diameter of curve
- 10 Connector type. M—Molded 9-pin, F—Molded 15-pin, RT—Redel 10-pin
- 11 May be blank. Packaging: S—Sterile. All BWI products are available in a sterile package only with the exception of REFSTAR™ with QWIKPATCH® External Reference Patch.

Examples:

- D7-06DR-002-RT** Deflectable, 7F, 6 electrodes, D curve, Regular tip electrode, 2 mm spacing, Redel 10-pin connector
- D6S-08DR-PRY-RT** Deflectable, 6F, Small Anatomy, 8 electrodes, D curve, Regular (1 mm) tip electrode, 2-10-2-2-2-5-2 mm spacing, Redel 10-pin connector, Sterile
- D7E-06R-POR-MS** Deflectable, 7F, Enlarged Heart, 6 electrodes, Porterfield design, Molded 9-pin connector, Sterile
- D7-L20-25-RT** Deflectable, 7F, LASSO® Catheter, 20-pole, 25 mm curve diameter, Redel 10-pin connector, Sterile

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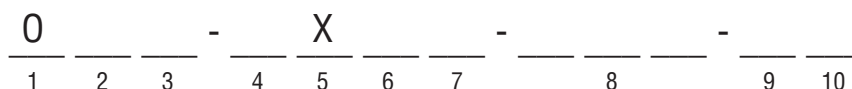
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Refer to the following chart and examples to determine the exact Orthogonal catheter best suited to your need. You may also wish to use the curve and tip type drawings located on pages 19-32.

Orthogonal Catheters



- 1 O—Orthogonal catheter
- 2 Deflectable or Fixed
- 3 French size
- 4 Number of orthogonal sets
- 5 X—always designates “of” or “times”
- 6 Number of electrodes per set (e.g. 3x4 = 3 sets of 4; or 3x4 = 12 electrodes)
- 7 Designates curve types
- 8 Electrode spacing of sets, measured center to center in millimeters (e.g. 005 = sets at 5 mm)
- 9 Proximal connector type. ST—Shielded Tip pins,
M—Molded 9-pin (2 required for more than 6 electrodes), F—Molded 15-pin
- 10 May be blank. Packaging: S—Sterile. All BWI products are available in a sterile package only with the exception of REFSTAR™ with QWIKPATCH® External Reference Patch.

Examples:

- OF6-3X4G-010-FS** Orthogonal Fixed, 6F, 3 sets of 4 electrodes per set (12 electrodes), G curve, 10mm spacing of sets, molded 15-pin connector, Sterile
- OD7-8X2D-005-FS** Orthogonal Deflectable, 7F, 8 sets of 2 electrodes per set (16 electrodes), D curve, 5mm spacing of sets, (2) molded 15-pin connectors (>12 electrodes require two molded 15-pin connectors, electrodes 1-10 are on #1 connector), Sterile

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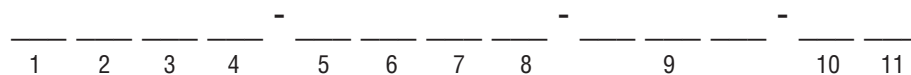
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Refer to the following chart and examples to determine the exact Deflectable Ablation catheter best suited to your need. You may also wish to use the curve and tip type drawings located on pages 25-30.

Catalog Numbering System

Deflectable Ablation Catheters-Unidirectional



- 1 D–Deflectable Curve catheter, NS–NAVISTAR® Deflectable Catheter
- 2 French size
- 3-4 May be blank. B for Braided Tip, I for Irrigated Tip, TC for Thermocouple, T for Thermistor, R for Revised
- 5 Designates curve types
- 6-7 Tip electrode size and type. 4-8 mm, L–Large Smooth, G–Grooved
- 8 In addition to the nomenclature described above, these positions may designate: 270 or 270R – 270° curve or 270° Revised PSL – Posteroseptal design
- 9 Electrode spacing, measured center to center in millimeters
Electrodes are approximately 1-1/3 mm wide
“2” spacing is approximately 2.5 mm with 1 mm edge to edge
2-5-2 spacing is 2 mm first to second electrode, 5 mm second to third electrode, 2 mm third to fourth electrode
- 10 Connector type. RT–Redel 10-pin, H–Hypertronics 25-pin
- 11 May be blank. Packaging: S–Sterile. All BWI products are available in a sterile package only with the exception of REFSTAR™ with QWIKPATCH® External Reference Patch.

Examples:

- D7-AL-252-RT** Deflectable, 7F, A curve, Large tip electrode, 2-5-2 mm spacing, Redel 10-pin, Sterile
- D8BR-CL-252-RT** Deflectable, 8F, Braided (w/ Revised stainless steel braid), C curve, Large tip electrode, 2-5-2 mm spacing, Redel 10-pin, Sterile
- D7-270RG-252-RT** Deflectable, 7F, 270° curve (w/ Revised stainless steel braid), Grooved tip electrode, 2-5-2 mm spacing, Redel 10-pin, Sterile
- D7TC-DL-252-RT** Deflectable, 7F, Thermocouple, D curve, Large tip electrode, 2-5-2 mm spacing, Redel 10-pin connector, Sterile
- D7TC-D5L-252-RT** Deflectable, 7F, Thermocouple, D curve, 5 mm Large Smooth tip electrode, 2-5-2 mm spacing, Redel 10-pin connector, Sterile
- NS7T-FL-174-HS** NAVISTAR® Deflectable Catheter, 7F, Thermistor, F curve, Large tip electrode, 1-7-4 mm spacing, Hypertronics 25-pin connector, Sterile

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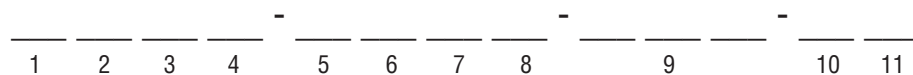
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Refer to the following chart and examples to determine the exact Deflectable Ablation catheter best suited to your need. You may also wish to use the curve and tip type drawings located on pages 25-30.

Catalog Numbering System

Deflectable Ablation Catheters-Unidirectional



- 1 D–Deflectable Curve catheter, NS–NAVISTAR® Deflectable Catheter
- 2 French size
- 3-4 May be blank. B for Braided Tip, I for Irrigated Tip, TC for Thermocouple, T for Thermistor, R for Revised
- 5 Designates curve types
- 6-7 Tip electrode size and type. 4-8 mm, L–Large Smooth, G–Grooved
- 8 In addition to the nomenclature described above, these positions may designate: 270 or 270R – 270° curve or 270° Revised PSL – Posteroseptal design
- 9 Electrode spacing, measured center to center in millimeters
Electrodes are approximately 1-1/3 mm wide
“2” spacing is approximately 2.5 mm with 1 mm edge to edge
2-5-2 spacing is 2 mm first to second electrode, 5 mm second to third electrode, 2 mm third to fourth electrode
- 10 Connector type. RT–Redel 10-pin, H–Hypertronics 25-pin
- 11 May be blank. Packaging: S–Sterile. All BWI products are available in a sterile package only with the exception of REFSTAR™ with QWIKPATCH® External Reference Patch.

Examples:

- D7-AL-252-RT** Deflectable, 7F, A curve, Large tip electrode, 2-5-2 mm spacing, Redel 10-pin, Sterile
- D8BR-CL-252-RT** Deflectable, 8F, Braided (w/ Revised stainless steel braid), C curve, Large tip electrode, 2-5-2 mm spacing, Redel 10-pin, Sterile
- D7-270RG-252-RT** Deflectable, 7F, 270° curve (w/ Revised stainless steel braid), Grooved tip electrode, 2-5-2 mm spacing, Redel 10-pin, Sterile
- D7TC-DL-252-RT** Deflectable, 7F, Thermocouple, D curve, Large tip electrode, 2-5-2 mm spacing, Redel 10-pin connector, Sterile
- D7TC-D5L-252-RT** Deflectable, 7F, Thermocouple, D curve, 5 mm Large Smooth tip electrode, 2-5-2 mm spacing, Redel 10-pin connector, Sterile
- NS7T-FL-174-HS** NAVISTAR® Deflectable Catheter, 7F, Thermistor, F curve, Large tip electrode, 1-7-4 mm spacing, Hypertronics 25-pin connector, Sterile

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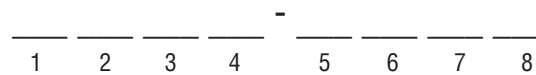
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Refer to the following chart and examples to determine the exact Deflectable Bi-Directional catheter best suited to your need. You may also wish to use the curve and tip type drawings located on pages 34-37.

Deflectable Ablation Catheters-Bi-Directional



- 1 D-Deflectable Curve catheter
- 2 French size
- 3-4 Tip, TC for Thermocouple, T for Thermistor
- 5-6 Designates curve types
- 7-8 Tip electrode size and type 4-5 mm, L-Large Smooth

- * All CELSIUS[®] II Bi-Directional Ablation Catheters have 2-5-2 mm spacing only.
- * All CELSIUS[®] II Bi-Directional Ablation Catheters have a Redel 10-Pin connector only.

Examples:

- D7T-AA4L** Deflectable, 7F, Symmetric AA curve, 4 mm Large Smooth tip electrode
- D7T-DF5L** Deflectable, 7F, Asymmetric DF curve, 5 mm Large Smooth tip electrode

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Refer to the following chart and examples to determine the exact Deflectable Curve catheter best suited to your need. You may also wish to use the curve and tip type drawings located on pages 25-30.

Note: QWIKSTAR® curves, although considered a navigational catheter, follow the CELSIUS® curve sequence.

QWIKSTAR® Ablation Catheters

1	2	3	4	5	6	7	8	9
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- 1-2 Q or QS—QWIKSTAR® Catheter
- 3 French size
- 4-5 TC for Thermocouple, T for Thermistor
- 6 Designates curve types
- 7 Blank
- 8 Tip electrode size and type. 4-8 mm
- 9 Connector type. Y—Hypertronics 70-pin, M—Microhelix 70-pin

Examples:

Q7TCJ4Y

QWIKSTAR® Catheter, 7F, with Thermocouple, J curve, 4 mm tip, Hypertronics 70-pin connector

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Refer to the following chart and examples to determine the cabling best suited to your need.

Cable Products

C
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- | | |
|-------|--|
| 1 | C-Cable |
| 2 | Length, measured in feet |
| 3 | Proximal connector: F for female, M for male |
| 4 | Proximal connector type. Refers to the type of connector to interface with Biosense Webster electrophysiology catheter. P-Plug, ST-Shielded Tip pins/jacks, M-Molded 9-pin, F-Molded 15-pin, R-Redel 10-Pin, Y-Hypertronics 70-pin |
| 5-6 | Number of shielded tip pin connections on the proximal end |
| 7 | Distal connector: F for female, M for male |
| 8 | Distal connector type. ST-Shielded Tip pins, M-Molded 9-pin (2 required for more than 6 electrodes), F-Molded 15-pin, R or R10-Redel 10-pin, H-Hypertronics 25-pin, C-27 pin cinch, L-Lemo 10-pin, Y-Hypertronics 70-Pin |
| 9-10 | Number of shielded tip pins connections on the distal end |
| 11-12 | May be blank. Packaging: S-Sterile, SA-Autoclavable. All BWI products are available in a sterile package only with the exception of REFSTAR™ with QWIKPATCH® External Reference Patch. |

Examples:

- | | |
|-----------------------|--|
| C3-FF/MST10 | Cable, 3 feet, Female connector, molded 15 pin / Male connector, Shielded Tip pins, 10 pins, Sterile |
| C4-FST6/MST6 | Cable, 4 feet, Female connector, Shielded Tip jacks, 6 / Male connector, Shielded Tip pins, 6, Sterile |
| C6-MR10/MLTC-S | Cable, 6 feet, Male connector, Redel 10-pin / Male connector, Lemo 10-pin, Thermocouple, Sterile |
| C5-MH/NAVMH-S | Cable, 5 feet, Male connector, Hypertronics 25-pin / NAVISTAR® Catheter connecting cable, Male connector, Hypertronics 25-pin, Sterile |
| C6-MR/MST10-SA | Cable, 6 feet, Male connector, Redel 10-pin / Male connector, Shielded Tip pins, 10, Autoclavable |