

Medtronic

5944RL rotatable connector

Procedural resource guide

A step-by-step guide for using the
5944RL rotatable connector
in a cardiac device procedure.



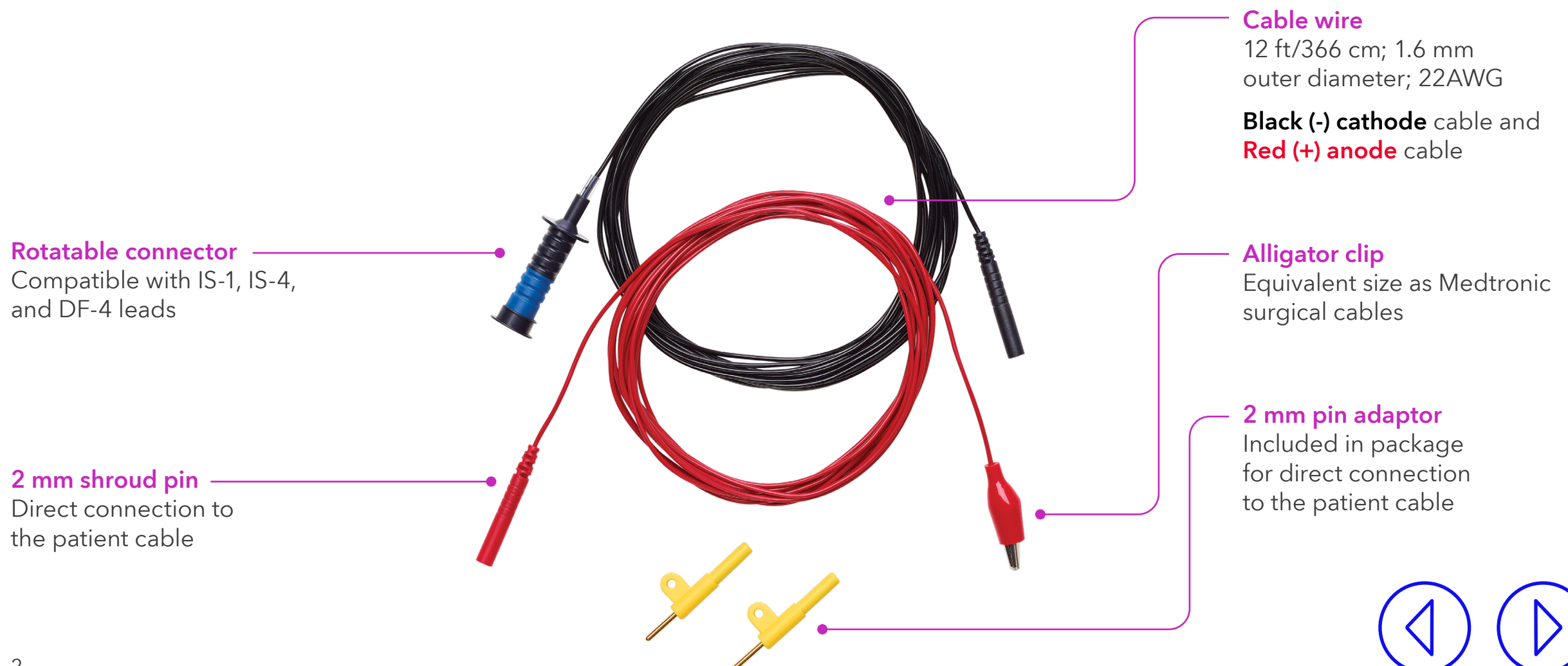
Rotatable connector

The 5944RL rotatable connector is a pair of single-use disposable surgical cables with two adaptors that connect to a catheter-delivered lead and cardiovascular stimulating instrument (pacing system analyzer) to provide continuous electrical signal monitoring during cardiac device procedures.

Compatibility

The rotatable connector is compatible with all catheter-delivered IS-1, IS-4, and DF-4 leads.

The picture below includes a detailed description of the 5944RL rotatable connector:



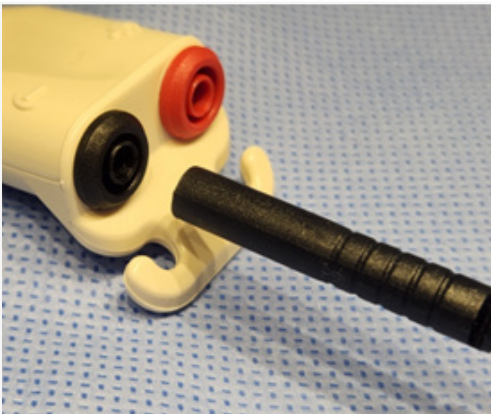
Procedural steps

- 1 Connect the analyzer adaptor to the cardiovascular stimulating instrument (pacing system analyzer).



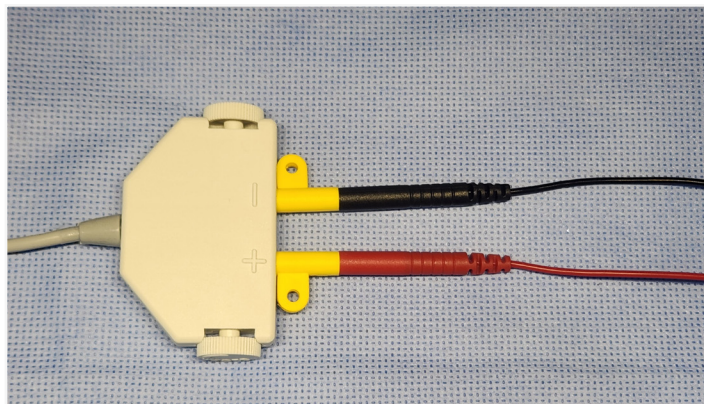
Medtronic analyzer adaptor being inserted into CareLink SmartSync™ device manager cardiovascular stimulating instrument (pacing system analyzer).

- 2 Connect the Medtronic patient cable to the analyzer adaptor and connect the shroud pins of the rotatable connector to the patient cable.



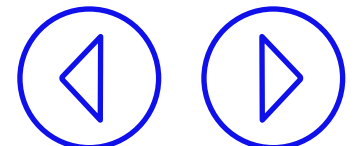
- a. Insert the **black (-) cathode** shroud pin of the rotatable connector cathode cable into the **black (-) receptacle** of the patient cable.

< Depiction showing CareLink SmartSync connection for education purposes only.



- b. Insert the **red (+) anode** shroud pin of the rotatable connector anode cable into the **red (+) receptacle** of the patient cable.

< Depiction showing Carelink Programmer 2090 for education purposes only.



Procedural steps, cont.'d

3 Connect lead to the rotatable connector black (-) cathode cable.



a. Use one hand to grasp and hold the **blue** and **black** body of the rotatable connector cathode cable.



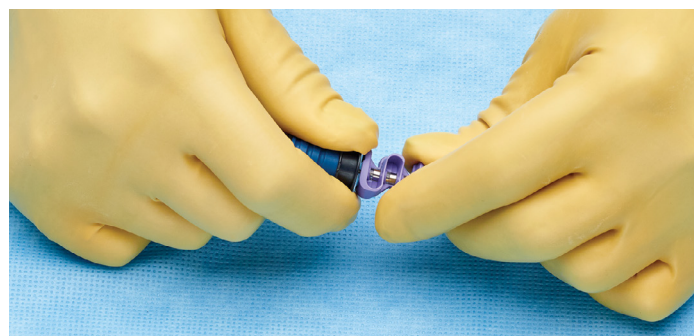
b. Then, using fingers, retract the **black** distal end of the rotatable connector cathode cable to expose the central receptacle.



c. Grasp and hold the lead connector pin firmly and fully insert the lead connector pin into the central receptacle of the rotatable connector cathode cable.



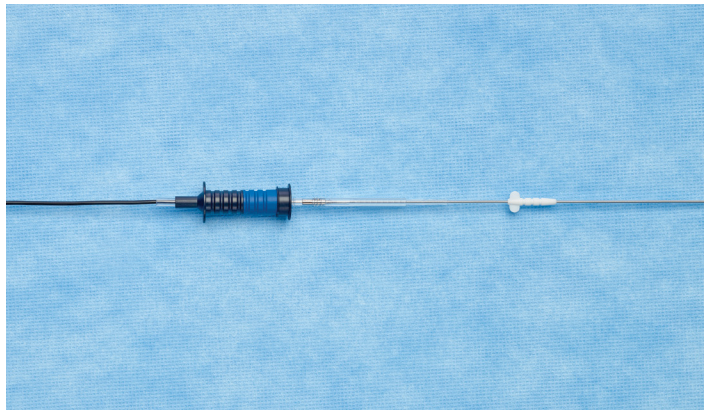
Picture displays an IS-1 lead insertion



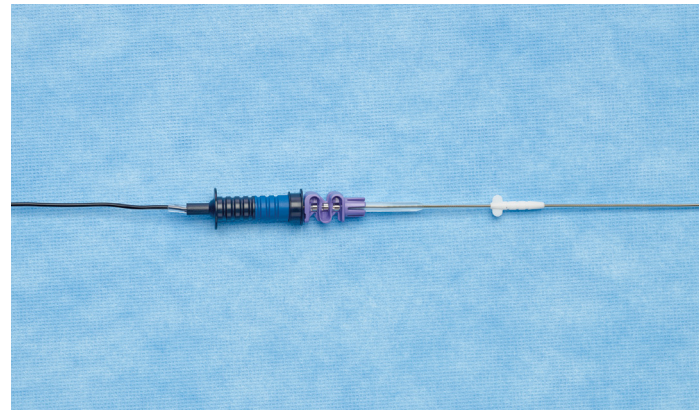
Picture displays a DF-4 lead insertion

Procedural steps, cont.'d

- 4 Release fingers on the **black** distal end of the rotatable connector cathode cable and leave the lead inserted.



IS-1 lead inserted in rotatable connector cathode



DF-4 lead inserted in rotatable connector cathode

- 5 Connect the **red (+) anode** clip of the rotatable connector to unipolar reference for continuous unipolar electrical lead monitoring and testing during lead fixation.



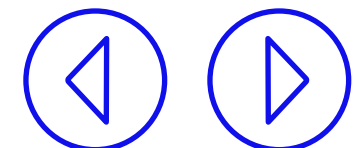
Keep lead inserted into the rotatable connector



Red (+) anode clip attached to unipolar reference

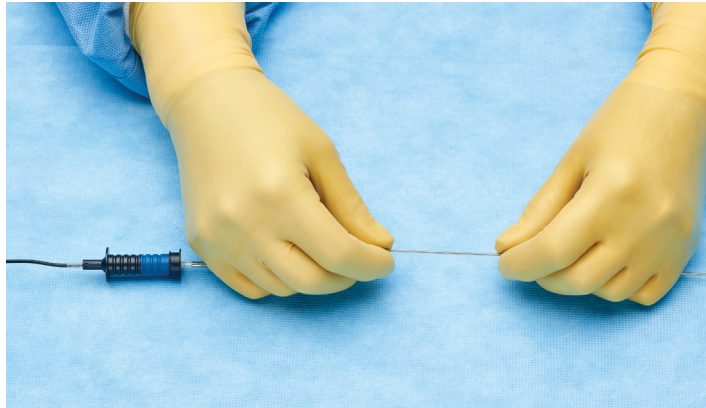
Unipolar pacing lead measurements with IS-1, IS-4, or DF-4 connectors

Connect the **red (+) anode** clip to a unipolar reference that is in contact with subcutaneous tissue. This allows for continuous unipolar electrical monitoring during lead fixation.

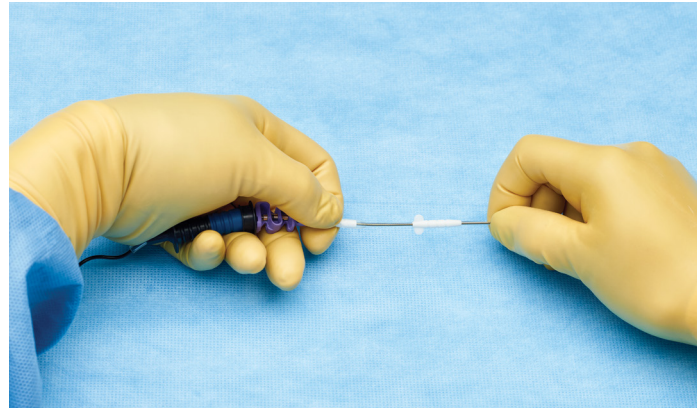


Procedural steps, cont.'d

- 6 Once the rotatable connector cables are attached, you can freely rotate and handle the lead as usual.

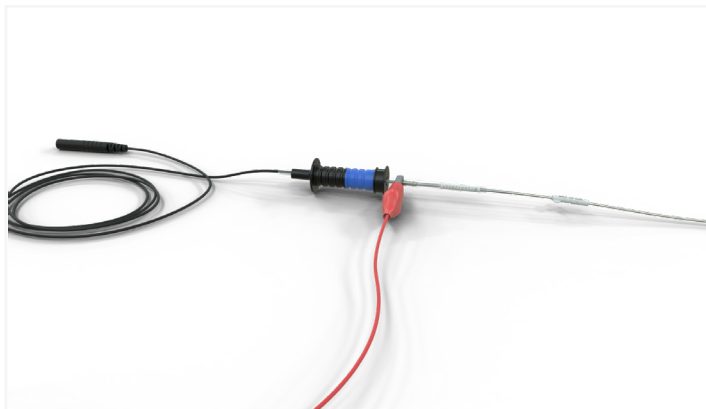


Hands can be placed directly on the lead body away from the rotatable connector.

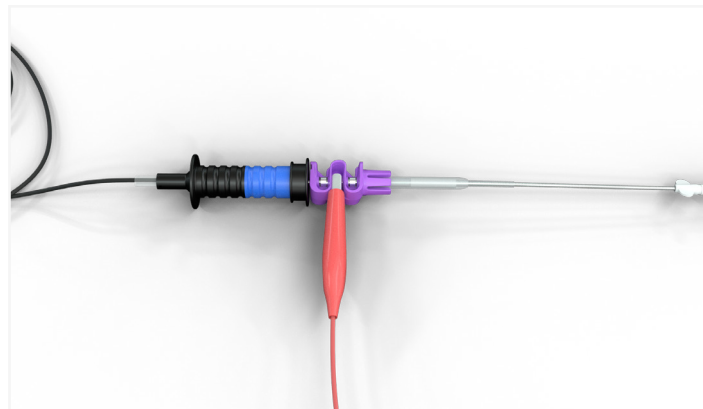


One hand can loosely grasp the rotatable connector, fingers placed around the lead connector pin, while the other hand can be placed around the lead body.

- 7 To test bipolar measurements, connect the **red (+) anode clip** of the rotatable connector to the lead connector pin.



IS-1 lead, **red (+) anode** clip connected to lead anode ring for bipolar connection

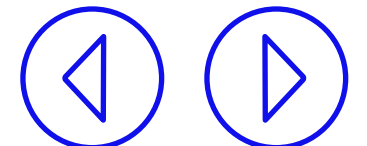


DF-4 lead, **red (+) anode** clip connected to RV coil 2 for integrated bipolar connection

Bipolar pacing lead measurements with IS-1, IS-4, or DF-4 connectors

Connect the **red (+) anode** clip to the anode ring or RV coil 2 on the lead connector pin. Continue with electrical testing of the lead.

Caution: Remove the **red (+) anode** clip from pacing lead and connect to the unipolar reference if additional lead rotations are necessary.



Disconnecting the rotatable connector

8 To disconnect the rotatable connector from the lead.



IS-1 lead, disconnecting the **red (+) anode** clip from anode ring.

- Disconnect the **red (+) anode** clip from the lead connector pin or unipolar reference.

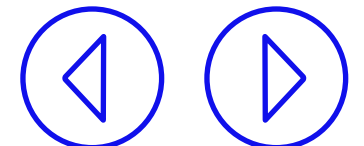


Disconnecting the lead from the rotatable connector cathode cable.

- Using fingers, retract the **black** distal end of the rotatable connector cathode to expose the central receptacle and pull the lead connector pin out of the central receptacle of the rotatable connector **black (-) cathode** cable.



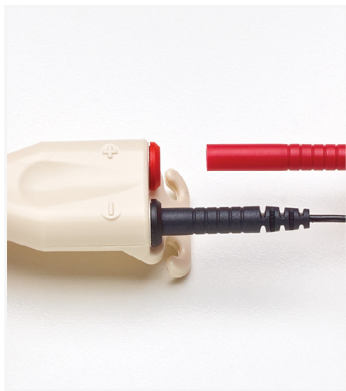
Caution: Do not pull the lead connector pin directly out of the rotatable connector without retracting the black distal end of the rotatable connector cathode cable.



Disconnecting the rotatable connector, cont.'d

9 Disconnect the rotatable connector from the cardiovascular stimulating instrument (pacing system analyzer).

Grasp the shroud pins of the rotatable connector and pull them straight out of the **red** and **black** receptacles of the patient cable.



Depiction showing CareLink SmartSync connection for education purposes only.

- a. Remove the **red (+) shroud pin** of the rotatable connector anode cable from the **red (+) receptacle** of the patient cable.



Caution: Do not pull on the insulated cable wires to disconnect the cable. Tension on the wire may damage the cable.

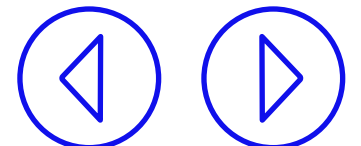


Depiction showing Carelink Programmer 2090 for education purposes only.

- b. Remove the **black (-) shroud pin** of the rotatable connector cathode cable from the **black (-) receptacle** of the patient cable.



Caution: Do not pull on the insulated cable wires to disconnect the cable. Tension on the wire may damage the cable.



For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use.

