CLAIMS

What is claimed is

1. A catheter tube for a steerable catheter, comprising a tube wall surrounding a tube lumen, the tube wall comprising:
   - a braided mesh;
   - a guide lumen within the braided mesh; and
   - a pull element within the guide lumen, configured to extend from a proximal portion of the catheter tube to a distal portion of the catheter tube, the pull element is configured to connect in a tension-resistant manner to the tube wall in the distal portion,

   wherein the guide lumen is configured to guide the pull element at least partially around the tube lumen.

2. The catheter tube according to claim 1, wherein the guide lumen has a helical path around the tube lumen.

3. The catheter tube according to claim 2, wherein the helical path covers a circumferential angle of at least 30° in the tube wall.

4. The catheter tube according to any one of the preceding claims, wherein the guide lumen is formed by a guide lumen tube.

5. The catheter tube according to claim 4, where the guide lumen tube is Teflon.

6. The catheter tube according to any one of the preceding claims, wherein the distal portion is configured to deform three-dimensionally by an actuation of the pull element.

7. The catheter tube according to claim 6, wherein the catheter tube is configured to deform, by an actuation of the pull element, in such a way that the distal portion is bent with respect to a main extension axis of the proximal portion.

8. The catheter tube according to claim 6 or 7, wherein the catheter tube is configured to deform, by an actuation of the pull element, wherein the distal portion has the shape of at least a section of a spiral or a helix.

9. The catheter tube according to any one of claims 6 to 8, wherein the catheter tube is configured to deform, by an actuation of the pull element, in such a way that local extension axes of the distal portion, as seen in a projection along a main extension axis of the catheter tube, pass over an angle of at least 30°.

10. The catheter tube according to any one of claims 6 to 8, wherein the catheter tube is configured to deform, by an actuation of the pull element, in such a way that the distal portion deforms into at least a section of a circular arc having a radius in the range of 2 mm to 100 mm.

11. The catheter tube according to any one of the preceding claims, further comprising a plurality of tube segments having differing rigidities.

12. A medical device system, comprising a catheter tube according to one of claims 1-11, and an implantable medical device, wherein the implantable medical device is configured to be fixed at a desired implantable site by means of the catheter tube.

13. The medical device system of claim 12, wherein the implantable medical device is a cardiac pacemaker electrode lead, configured to be implanted at a HIS bundle of a heart of a patient.

14. The medical device system of claim 12, wherein the implantable medical device is a sensor, configured to be implanted into a pulmonary artery.

15. The medical device system of claim 12, wherein the implantable medical device is an implantable leadless pacemaker, configured to be implanted into the heart of a patient.