MEDICAL DEVICE FLEXIBLE CONDUIT AND METHOD OF MANUFACTURE

ABSTRACT OF THE DISCLOSURE

A medical device flexible conduit includes an elongated Nitinol strip with a distal end, a proximal end, a longitudinal axis running from the distal end to the proximal end, a sharp head extending from the distal end, and a channel etched therein. Moreover, the channel is dispositioned along the longitudinal axis. The medical device flexible conduit also includes a flexible tube at least partially jacketing the elongated Nitinol strip between the distal end and the proximal end with the channel and the flexible tube defining a conduit. A method for manufacturing a medical device flexible conduit includes etching a channel into an elongated Nitinol strip and forming a sharp head on a distal end of the elongated Nitinol strip. The method also includes subsequently jacketing the flat elongated Nitinol strip with a flexible tube such that the flexible tube and channel define a conduit.