Applications:
Interventional Vascular, Neurovascular, Electrophysiology, Endosurgery, Structural Heart, Diagnostic and other minimally invasive applications.

Lubrizol Life Science Health’s (LLS Health) team of experienced extrusion and catheter engineers will closely collaborate with your design team to develop a braided shaft that meets your application-specific requirements.

Function:
Braiding improves the functionality of a catheter shaft by improving kink and pressure resistance and increasing the mechanical properties of a tube all while maximizing the working area of a tube. Braided reflow shafts can be designed to provide a combination of different performance characteristics. Properties that can be tailored and varied over the length of the catheter shaft include:

• Flexibility
• Kink resistance
• Pushability
• Torque transmission
• Burst Strength
• Column Strength

Description:
The Contract Manufacturing Division of LLS Health uses dedicated extrusion, braiding and reflow equipment to manufacture its braided shafts. Shafts can have a single or multiple durometer along the shaft or the braid pattern can be varied to change the stiffness of the shaft along the length. Customers typically employ braided construction where the application requires high pressure resistance or requires navigation thru small and tortuous anatomies, such as small blood vessels in the heart or brain. LLS Health’s braiding capabilities include:

• OD ranges from 0.030”–0.320”
• Round wire, flat wire and fibers
• Constant or Variable Pick Pattern
• Single or Variable Durometer
• PTFE Lined
• Braid to Coil Transition
• Cut to Length or Spooled

For more information visit www.lubrizolmeddevicecm.com.
About Lubrizol Life Science Health - The Health business team partners with customers to speed their innovative medical devices and differentiated pharmaceutical products to market. Our dedicated team provides best-in-class polymers and excipients, along with state-of-the-art product design, development, and manufacturing services, with the ultimate goal of creating solutions that improve patient outcomes.

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