



New England Wire Technologies

Custom Endoscopy Cable

130 N Main Street

Lisbon, NH 03585

tel: 603.838.6624

www.newenglandwire.com

New England Wire Technologies is an industry leader in the development, manufacturing and testing of custom endoscopy cable. Our custom endoscopy cables are designed to meet the specific requirements of technologically advanced digital imaging devices.

New England Wire offers custom options for all components of our cables, from high strength alloy conductors for superior flex life to NEWtuf® reinforced silicone rubber jackets for optimum pull strength. In addition, our cable design engineers will work with you from concept through testing to ensure that your cable meets your exact requirements. And as is the case with all cables manufactured by New England Wire, we offer quick turn prototypes and low minimum quantity order requirements.

Conductors:

- Our full range of conductor materials are available including plated copper and high strength alloys
- Typically stranded for improved flexibility
- Miniature (24-32 AWG) & Micro-Miniature (34-46 AWG) sizes
- Various size components cabled together

Dielectric:

- Selected based on electrical, temperature, and size requirements
- Materials include:
 - o Polyethylene
 - o Polypropylene
 - o FEP
 - o PFA
 - o ETFE
 - o NEWcel® High Velocity Foamed Dielectrics

Shield:

- Typically designed for high shield coverage to maximize shield effectiveness
- Shielding options include braid, spiral, aluminum foil or a combination thereof

Jacket:

- NEWtuf® Reinforced Silicone Rubber Cables for optimum pull strength

Testing:

- Full range of physical and electrical tests performed in-house, including:
 - o Flex, Bend & Endurance, Paddle Flex, Strand Flex, Torsion
 - o Attenuation, VoP, Inter Pair Skew, Time Delay, Capacitance, Cross Talk



Custom Design Options:

- Ultra flexible
- High flex life
- High temperature
- Fluid and chemical resistant
- Sterilization/Autoclave
- Low-noise (NEWtral®)
- UL AWM rating
- Biocompatible
- Phthalate, Latex, PBA, ADM free
- RoHS compliant
- REACH
- FDA
- ISO10993
- And more...