

# Optinova Braided Tubing

## Solutions for Medical Applications.



Optinova specializes in producing reinforced tubing using materials such as TPE-A (PEBA), TPE-U (PUR), and PA.

We offer braided tubing as-is or with advanced secondary operations, such as "overlap" or "butt end" welding of softer materials at the distal end, along with smoothly ground surfaces.



## Key advantages

- **Customizable Shafts:** Braid wire, pattern, and density, and resin choice are customizable
- **Calibrate Performance:** Customized braided shafts allow for different levels of kink resistance, column strength, torquability, and pressure resistance.
- **Atraumatic Tip Assembly:** Optinova's in-house tipping technology delivers high-quality atraumatic tip solutions.
- **Value-Added Services:** Includes tip welding, overlap, or butt welding of non-braided tips with various durometer materials.
- **Centerless Grinding:** Shaft outer diameter (OD) centerless grinding is available

## Applications

- Angiography catheters
- Diagnostic catheters
- Electrophysiology catheters
- PTA- and PTCA guiding catheters

Optinova's **decades of experience in braiding** in combination with **automation** of secondary operations make us a **scalable solution** for high performing **catheter applications.**

### Technical specifications

Diameter range:
OD 3 Fr - 24 Fr
Wall thicknesses 0,15 mm - 0,70 mm
Max length: 1900 mm
Material Inner Layer:
TPE-A (Peba), PE, PA, FEP, TPE-U (PUR)
Material Outer Layer
TPE-A (Peba), PE, PA, TPE-U (PUR)
Custom compounds, BaSO <sub>4</sub> , Bi <sub>2</sub> O <sub>3</sub>
Braid Material:
304SS, 316SS, Polyester, Polyamide
Wire Patterns:
1/2/2, 2/2 (diamond), 1/1
Round Braid Wires
0,038 - 0,10 mm (0,0015" - 0,004")
Braid Density:
0-130 PPI
Flat Braid Wires
0,013 mm x 0,051 mm (0,0005" x 0,002")
0,051 mm x 0,178 mm (0,002" x 0,007")

For more technical information, please contact us at our sales offices or visit our website: [optinova.com/contacts](https://www.optinova.com/contacts)

# We empower customers through highly reliable tubing solutions.



## Medical-grade certifications



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Founded in 1971, Optinova is a world-leading extrusion partner for advanced medical and industrial tubing. With sales offices around the world and four extrusion plants in Finland, Thailand, and the US, we are serving partners from 50+ countries across industries.

### Contact Us

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