

BH-MT-BRT

Medical grade braided reinforced tubing

Features/Applications:

BH-MT-BRT medical braided reinforced tubing is manufactured via an extrusion process, where a metal or fiber braided structure is fully encapsulated between two polymer layers. Integrating braided reinforcement into plastic tubing delivers dramatic improvements in burst pressure tolerance, axial compressive rigidity, and torque transfer performance. Braided tubing finds widespread application in high-performance catheters, premium-grade medical tubing, high-pressure fluid transfer lines, anti-kink tubing, as well as deflectable-tip catheter systems.



Product Information

Item	Specification/Description
OD Range	0.010" ~ 0.450" (0.25 ~ 11.40 mm)
Wall Thickness	0.003" ~ 0.024" (0.08 ~ 0.6 mm)
Compliant	ISO 10993-1 and USP Class VI
Three Layer	Inner liner, braid reinforcement layer & outer jacket
PPI (picks per inch)	Up to approximately 1 pick/inch (0.39 picks/cm).
Pattern	Diamond, Herringbone, Half diamond
Braided Materials	Nitinol, stainless steel, fabric, Kevlar, platinum, and a range of other materials.
Typical Flat Wire Size Range	0.0005" x 0.0025" ~ 0.001" x 0.007" (0.013 x 0.064mm ~ 0.025 x 0.178mm)
Typical Round Wire Size Range	0.001" x 0.007" (0.025 x 0.178mm)
Inner Liner & Outer Jacket Materials	Inner linings and outer jackets may use most thermoplastics or fluoropolymers. PTFE, Nylon, FEP, ETFE, HDPE, Pebax and other materials are also available.
Advantages	• Better torque transmission • Improved kink resistance • Limiting stretch • Holding higher pressure • Strength • Improved crush resistance • Resists collapse in vacuum • Improved push ability • Compression resistance
Applications	Heart valve systems as well as other cardiovascular applications, Neurovascular applications, Endoscopic applications, Biopsy devices, Ablation catheters, Electrophysiology catheters, High-pressure tubing and more.
Other functions	Braid and coil combination are available on request.