

BH-MT-CRT

Medical grade coil reinforced tubing

Features/Applications:

BH-MT-CRT medical coil reinforced tubing delivers torque capability, keeps flexible and maneuverable for navigating tortuous anatomical routes, and resists collapse and buckling. It provides better kink resistance, burst strength and pressure endurance. Our bespoke coil reinforced tubing is produced on advanced equipment in strict accordance with your exact specifications. Coil reinforced tubing serves a broad range of medical procedures. For instance, spiral reinforcement is adopted in intravascular catheters, enabling the tubing to navigate sharp turns inside blood vessels without bending out of shape or collapsing.



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
WPI (wraps per inch)	up to 5 wraps/inch (1.97 wraps/cm)
Coil Reinforcement Materials	Monofilaments feature flat or round profiles and are produced from stainless steel, nitinol (nickel titanium) and tungsten, etc. Multi-filaments are likewise offered in metal, polymer and other material grades.
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)
Outer Jacket Materials	All medical grade polymers including Nylon, Pebax and Urethane, Polyimide, Polyimide w/ particle composites, Polyamide-imide, Polyester, PPSU
Advantages	Better flexibility: Outperforms braided tubing in softness and bendability; Better maneuverability: Allows simpler routing and positioning; Better kink protection: Prevents bending deformation and collapse; Better operational control: Enables more accurate device handling.
Applications	Deflectable catheters, Endoscopes, Graspers, Flexible instruments, Deployment mechanisms
Other functions	Tapered coils, Hole punching are available on request.