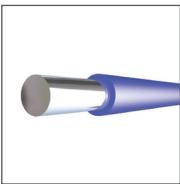
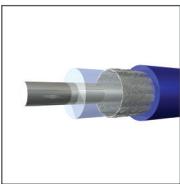


Precision manufacturer of specialty micro-miniature wire, cable, ribbon and coils for demanding applications.
Value added services available.

Medical

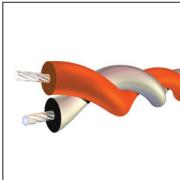
Implantable and Minimally Invasive Wire and Cable

	APPLICATION	KEY FEATURES	CONSTRUCTION
Temp-Flex® MediSpec™ Micro Miniature Coil (MMC) 	<p>Implantable Neurological: Pain management and stimulation Minimally Invasive Cardiac rhythm management: pacemaker and defibrillator Catheter</p>	Continuous length Outer jacket optional Stacked tolerances to $\pm 0.0254\text{mm (0.001")}$ OD down to 0.254mm (0.010") Highly flexible Biocompatible materials High dielectric withstanding voltage: $>500\text{V AC}$ Pin-hole free insulation	Retractable mandrel Inner liner tube (<i>optional</i>): ETFE, others Conductors: 1 - 8 filars Insulation (<i>optional</i>) Jacket (<i>optional</i>): ETFE, Polyurethane, PFA, other biocompatible polymers
Series 100059			
Temp-Flex® MediSpec™ High-Density Micro-Ribbon Cable 	<p>Implantable Therapeutics Pain management Glucose monitoring Minimally Invasive Imaging Endoscopy Ultrasound Flex circuit replacement Thermocouple</p>	High density Tight pitch tolerance: $\pm 0.0127\text{mm (0.0005")}$ tolerance Lower Dielectric Constant than flex circuits: 2.1 Dielectric Constant (D_k) Pinhole free insulations Long continuous lengths Biocompatible materials Optional: Intermittent ribbon	Conductor Size down to 50 AWG Conductor Type: SPC, MP35N, precious metals, stainless steel Insulation: ETFE, PFA, nylon, others Pitch: Down to 0.076mm (0.003") Braid shield optional
Series 100061			
Temp-Flex® MediSpec™ Micro Extrusion Primary Wires 	<p>Implantable Therapeutics Cardiac rhythm management leads Pain management Neuro leads Cochlear implants Minimally Invasive Catheters Endoscopy</p>	Pin-hole free insulation Biocompatible materials Tight tolerance down to 5% Wire OD Thin wall Tightly controlled mechanical and electrical characteristics	Conductor Size: 52 to 36 AWG Conductor Geometry: Solid or stranded Conductor Type: SPC, MP35N, precious metals, stainless steel Insulation: ETFE, PFA and FEP fluoropolymers, nylon, PEEK, others Wall Thickness: Down to $0.00762\text{mm (.0003")}$ depending on wire gauge
Series 100060			
Temp-Flex® MediSpec™ Micro Coaxial Cable 	Ultrasound Patient monitoring Medical probe	Robust and flexible dielectric Alternative to PTFE and ePTFE tape wrapped constructions OD down to 0.24mm (0.0093") Optional ribbon and intermittent ribbon Biocompatible materials	Conductor size down to 44 AWG Conductor Material: SPC or high strength copper alloy (<i>solid, stranded</i>) Core (<i>Dielectric</i>): FEP, PFA Shield: Serve or braid (<i>SPC, high strength copper alloy, TPC</i>) Jacket Material: ETFE, FEP, PFA, THV, others
Series 100065			

Medical

Implantable and Minimally Invasive Wire and Cable

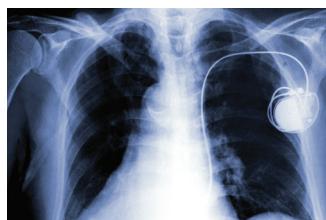
Precision manufacturer of specialty micro-miniature wire, cable, ribbon and coils for demanding applications. Value added services available.

APPLICATION	KEY FEATURES	CONSTRUCTION
Temp-Flex® Microwave Coaxial Cable 	RF ablation Imaging	70 - 88% velocity of propagation Flexible Shielding effectiveness > 100 dB Down to 0.076mm (0.033") OD Time delay tolerance <±5 ps/ft Impedance: 50 ohms ±1 ohm
Series 100067 and 100054		
Temp-Flex® Twisted Pair 	Imaging catheters Ultrasound	Pin-hole free insulation Biocompatible materials Tight tolerance down to 5% wire OD Thin wall Tightly controlled mechanical and electrical characteristics
Series 100064		
Temp-Flex® Bundled Cable 	Surgical instruments Imaging Ultrasound Endoscopy Diagnostics	Cabling our competencies into a robust solution Highly customizable
Series 100062		

Temp-Flex products have applications in a variety of industries including:

Aerospace and Defense
 Alternative Energy Source
 Automotive
 Commercial Vehicle
 Consumer
 Data/Computing
 Industrial Automation
 Telecommunications/Networking
 Test and Measurement

Medical



www.molex.com/tempflex