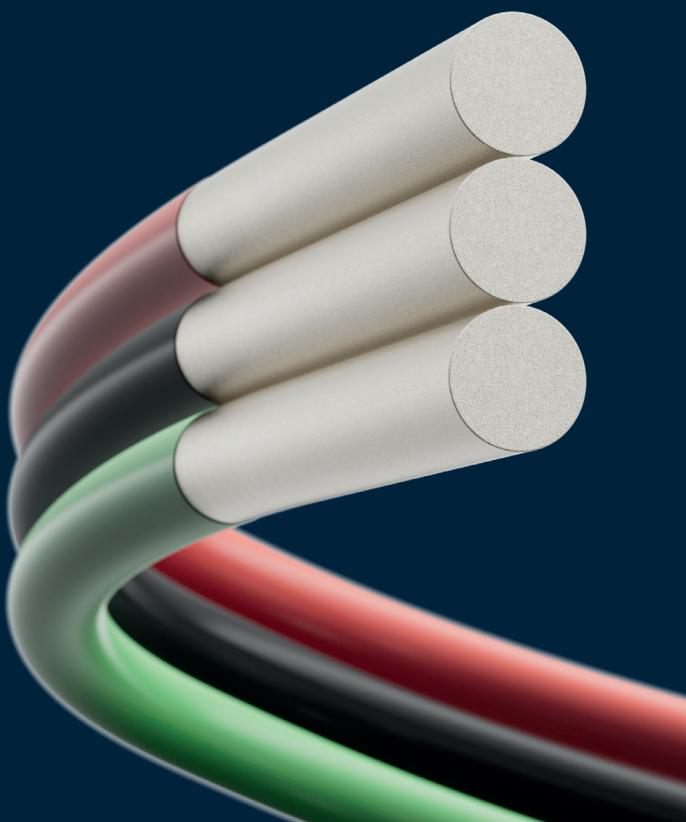


Medical-grade Thermocouples

Real-time temperature
monitoring you can trust



Applications

Our high-quality medical grade thermocouples are used for measuring temperatures during therapeutic procedures, such as ablation to treat atrial fibrillation as well as in medical equipment such as ventilators.

Specifications

Type of thermocouple		Temperature range [°C]	Tolerance	
			Standard	Special
Thermothal P (KP)/ Thermothal N (KN)	Type K	0 to 1250	±2.2°C or ±0.75%	±1.1°C or ±0.40%
		-200 to 0	±2.2°C or ±2%	–
Thermothal P (EP)/ CUPROTHAL (EN)	Type E	0 to 900	±1.7°C or ±0.5%	– ±1°C or ±0.40%
		-200 to 0	±1.7°C or ±1%	–
Copper/ CUPROTHAL (TN)	Type T	0 to 350	±1°C or ±0.75%	±0.5°C or ±0.40%
		-200 to 0	±1°C or ±1.5%	–
Iron (JP)/ CUPROTHAL (JN)	Type J	0 to 750	±2.2°C or ±0.75%	±1.1°C or ±0.40%
Nicrosil (NP)/ Nisil (NN)	Type N	0 to 1300	±2.2°C or ±0.75%	±1.1°C or ±0.40%

The tolerance is whichever is the greater value.
American specifications ASTM E 230 – ANSI MC 96.1

Wire sizes:

24 AWG (0.5104 mm | 0.0201") to
50 AWG (0.0205 mm | 0.0008")

Other configurations available upon request.

Junction insulation:

Polyimide (PAC) | Poly-Nylon | Polyesterimide

Options or Configurations:

Single | Bifilar | Trifilar | Multifilar

Alleima: Your Partner for Life-Changing Medical Solutions

Collaborate with us from design to development and manufacturing of high-quality wire for signal transmission and medical thermocouples, delivering accurate temperature measurement for the most demanding applications.



alleima.com/thermocouples