

THERMOCOUPLE WIRE – VacTyte™ F8

VacTyte™ F8 is a high performance thermocouple wire. This wire is a reusable, leak proof lead-through for vacuum bag sealant tape penetrations. Resistance to kinking and knotting contributes to reusability.

The unique feature of VacTyte™ F8 is that the wires are simultaneously encapsulated in a single ovoid PTFE extrusion with a narrowing between the conductors. This extrusion method eliminates possible leak paths within the insulation so wires need not be stripped for sealant penetrations. The wire is easy to seal between layers of sealant tape. VacTyte™ F8 can be stripped using conventional methods.

VacTyte™ F8 is certifiable to ASTM E207, ASTM E230 and EMF values are in accordance with ANSI MC96.1. Test reports are provided with each certification at no cost.

VacTyte™ F8 wire may be ordered in custom lengths, or spools in Type J, 24 gage, 1/0.508mm iron and constantan conductors. Type K and other gages of wire are available on special order.

FEATURES

- Certified to ASTM E207, ASTM E230; Test Reports provided with each shipment
- Single ovoid PTFE extruded insulation eliminates thermocouple leak paths
- Maximum use temperature 625°F

Other thermocouple wire available:

Thermocouple Wire Specifications & Characteristics

ANSI CODE / TYPE	Conductor & Characteristics		Temperature Range		Limits of Error		Comment on on Application
	Positive	Negative	Deg F	Deg C	Standard	Premium	
J	Iron (magnetic)	Constant (non- magnetic)	32 to 530	0 to 277	+/-4°F	+/-2°F	Reducing atmosphere recommended Iron oxidizes rapidly at high temperatures
			530 to 1400	277 to 760	+/-3/4%	+/-3/8%	
K	Chromel (non- magnetic)	Alumel (magnetic)	32 to 530	0 to 277	+/-4°F	+/-2°F	Oxidizing atmosphere recommended. Vented protection tube suggested in reducing atmosphere. Wide temperature range.
			530 to 2300	277 to 1260	+/-3/4%	+/-3/8%	
T	Copper (yellow)	Constant (silver)	-300 to -75	-184 to -58		+/-1%	Can be used in oxidizing or reducing atmospheres. Rust and corrosion resistant Low temperature & cryogenic applications
			-150 to -75	-101 to -59	+/-2%	+/-1%	
			-75 to 200	-59 to 93	+/-1 1/2°F	+/-3/4%	
			200 to 700	93 - 371	+/- 3/4%	+/-3/8%	

Note: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No warranties of any kind are made except that materials supplied are TMI standard quality. All risk and liability arising from handling, storage and use of TMI products, as well as compliance with applicable legal restriction, rest with the buyer.