



THERMOCOUPLE WIRE

VACTYTE™ F8 - A HIGH PERFORMANCE THERMOCOUPLE WIRE

VacTyte™ F8 wire is a reusable, leakproof lead-through for vacuum bag sealant tape penetrations. It will not kink and resists knotting.

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. VacTyte™ F8 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 ASNI MC96.1. Test reports are provided with each shipment 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:

- Single ovoid PTFE extruded insulation •
- Maximum use temperature 625°F •
- Certified to ASTM E207, ASTM E230, •
and ASNI MC96.1
- Test reports provided with each shipment

Benefits:

- Eliminates thermocouple leak paths
- Long service life
- Reduces labor
- Resists knotting
- Will not kink

Other thermocouple wire available:

Thermocouple Wire Specifications & Characteristics

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

Note: Technical information furnished is based on laboratory findings and is believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of product, as well as compliance with applicable legal restrictions rest with the buyer. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention or process without a license.