



## Extension Grade Type K Thermocouple Compensating Wire for Industrial Temperature Monitoring

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Model Number: Thermocouple Compensating Wire



### Product Specification

- Color: Red, Blue, Yellow, Green, White, Etc.
- Emf Tolerance:  $\pm 1.0^{\circ}\text{C}$  Or  $\pm .75\%$
- Grade: Extension Grade Type K
- Application: Temperature Measurement And Control In Various Industries
- Conductor Type: Solid Or Stranded
- Accuracy: Class 1, Class 2, Or Custom
- Certifications: ISO, CE, RoHS, Etc.
- Temperature Range:  $-200^{\circ}\text{C}$  To  $1200^{\circ}\text{C}$
- Highlight:
  - Industrial Temperature Monitoring
  - Thermocouple Compensating Wire
  - Extension Grade Thermocouple Compensating Wire
  - Type K Thermocouple Compensating Wire

## Product Description

### Product Description:

The Thermocouple Compensating Wire has an Emf Tolerance of  $\pm 1.0^{\circ}\text{C}$  or  $\pm 0.75\%$ , which means that it has a high degree of accuracy in measuring temperature. It is available in 2, 4, 6, 8, or custom configurations, depending on the specific application. The conductor type can be either solid or stranded, depending on the required flexibility and durability of the wire.

The positive conductor of the Thermocouple Compensating Wire is made of Platinum Rhodium, which is a highly conductive and corrosion-resistant metal. This makes it ideal for use in high-temperature environments where other metals may degrade or corrode over time. The negative conductor is made of Copper-constantan, which is a type of Insulated Resistance Wire that is known for its stability and reliability.

Overall, the Thermocouple Compensating Wire is an essential tool for accurate temperature measurement in a wide range of industrial applications. It is designed to withstand harsh environments, provide accurate readings, and be flexible enough to suit any application. Whether you need to measure temperature in a furnace, chemical reactor, or other high-temperature process, this type of thermocouple wire is an excellent choice.

### Features:

Product Name: Thermocouple Compensating Wire

Grade: Extension Grade Type K

Application: Temperature Measurement And Control In Various Industries

Number Of Cores: 2, 4, 6, 8, Or Custom

Shielding: Braided Or Foil

Certifications: ISO, CE, RoHS, Etc.

Insulation: ETFE Insulated Wire

### Technical Parameters:

Technical Parameter	Description
Shielding	Braided or Foil
Positive	Platinum Rhodium
Emf Tolerance	$\pm 1.0^{\circ}\text{C}$ or $\pm 0.75\%$
Application	Temperature measurement and control in various industries
Number of Cores	2, 4, 6, 8, or custom
Type	RNX, RPX
Other Name	Copper-constantan thermocouple
Color	Red, Blue, Yellow, Green, White, etc.
Temperature Range	$-200^{\circ}\text{C}$ to $1200^{\circ}\text{C}$
Accuracy	Class 1, Class 2, or custom

This Gas Shielded Welding Wire, High Temp Electrical Wire, and ETFE Insulated Wire is designed for use in temperature measurement and control applications in various industries. It is available with 2, 4, 6, 8, or custom number of cores, and comes in RNX and RPX types. The wire is also known as copper-constantan thermocouple and is available in different colors such as red, blue, yellow, green, white, etc. It has a temperature range of  $-200^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$  and an accuracy of Class 1, Class 2, or custom.

### Applications:

The Thermocouple Compensating Wire comes with braided or foil shielding, depending on the customer's requirements, ensuring optimal protection against electromagnetic interference and noise. It is available in 2, 4, 6, 8, or custom number of cores, offering flexibility in wiring configurations.

The accuracy of the Thermocouple Compensating Wire is Class 1, Class 2, or custom, ensuring the highest precision in temperature measurement. The conductor type is solid or stranded, catering to different installation requirements.

The Thermocouple Compensating Wire, also known as Copper-constantan Thermocouple, has various application occasions and scenarios. It can be used in high temp cable, such as furnace temperature measurement, glass production, and metal smelting. It can also be used in gas shielded welding wire, where it is exposed to high temperature and electromagnetic interference.

In addition, the Thermocouple Compensating Wire is frequently used in ceramic thermocouple protection tubes, where the wire is protected from corrosive atmospheres and extreme temperatures. This wire can also be utilized in various industries, such as chemical, oil, and gas, where it is essential to monitor temperature variations.

In summary, Victory's Thermocouple Compensating Wire is a reliable and versatile product, manufactured in China, offering optimal shielding, flexibility, accuracy, and conductor type. It is widely used in high temp cable, gas shielded welding wire, ceramic thermocouple protection tubes, and various industries, where temperature measurement is critical.

## Customization:

Looking for a reliable J Type Thermocouple Cable for temperature measurement and control in various industries? Choose Victory's Thermocouple Compensating Wire, made in China with high-quality materials and advanced manufacturing technology. Our Thermocouple Compensating Wire, also known as Copper-constantan Thermocouple, is available in a range of colors, including red, blue, yellow, green, white, and more. You can also choose between solid or stranded conductor types to suit your application requirements.

Whether you need Fisher Paykel Heater Wire for your industrial heating systems or High Temp Electrical Wire for your laboratory experiments, our Thermocouple Compensating Wire can meet your needs. We offer two types of wire: RNX and RPX, both of which are designed to provide accurate and reliable temperature measurements.

At Victory, we understand that every customer has unique requirements, which is why we offer product customization services. If you need a specific length, color, or other attribute that is not listed on our website, please contact us, and we will be happy to work with you to create a custom solution.

## Support and Services:

The Thermocouple Compensating Wire product provides customers with high-quality, reliable wire for use in thermocouple applications. Our technical support team is available to assist with any questions or issues related to the product, including installation, operation, and maintenance. In addition, we offer a range of services to ensure the best possible performance of our wire, including calibration, testing, and repair. Our goal is to provide our customers with the highest level of support and service to ensure their satisfaction with our product.

## Packing and Shipping:

### Product Packaging:

100m or 200m spools

Plastic spools

Each spool individually wrapped and labeled

Multiple spools packaged in a sturdy cardboard box for shipping

### Shipping:

Ships within 1-2 business days

Shipping options available at checkout

International shipping available

Shipping rates calculated based on destination and weight

## FAQ:

What is the brand name of the thermocouple compensating wire?

A: The brand name is Victory.

2.

What is the model number of the thermocouple compensating wire?

A: The model number is Thermocouple Compensating Wire.

3.

Where is the thermocouple compensating wire manufactured?

A: The product is manufactured in China.

4.

What type of applications is the thermocouple compensating wire suitable for?

A: The thermocouple compensating wire is suitable for a wide range of applications such as temperature measurement, control systems, and industrial process monitoring.

5.

What are the features of the thermocouple compensating wire?

A: The thermocouple compensating wire is made from high-quality materials, has excellent insulation, and is highly resistant to temperature fluctuations.



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