



## Max 1400C Bright Steel Fecral Wire Bare Copper Fecral Wire With 0.49 Specific Heat Capacity

Our Product Introduction

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### Basic Information

- Place of Origin: China JiangSu
- Brand Name: Victory
- Model Number: FeCrAl



### Product Specification

- Max Operating Temperature: 1400°C
- Coefficient Of Thermal Expansion:  $15.4 \times 10^{-6}/K$
- Specific Heat Capacity: 0.49 J/g·K
- Tensile Strength:  $\geq 650$  MPa
- Material: FeCrAl (Iron-Chromium-Aluminum)
- Elongation:  $\geq 12\%$
- Packing: On Spool Or In Coils
- Max Working Temperature: 1250°C
- Highlight: Bare Copper Fecral Wire,  
0.49 Specific Heat Capacity Fecral Wire,  
Bright Steel Fecral Wire



## Product Description

### Product Description:

The Bare Copper FeCrAl Wire is available in both hard and soft conditions, making it suitable for a wide range of applications. Whether you need a wire that is flexible and easy to work with, or one that is more rigid and durable, this product has you covered. With a maximum operating temperature of 1400°C, this wire is able to withstand high temperatures without losing its strength or conductivity. This makes it ideal for use in applications where heat resistance is a key requirement. In addition to its impressive thermal properties, our Bare Copper FeCrAl Wire is also magnetic, making it suitable for use in a variety of magnetic applications. Whether you need a wire that can be magnetized or one that is resistant to magnetic fields, this product is a great choice.

The surface of the Bare Copper FeCrAl Wire can be bright, oxidized, or annealed, depending on your needs. This allows you to choose a wire that meets your specific requirements, whether you need a wire with a shiny finish or one that is more resistant to corrosion. Overall, if you are looking for a high-quality alloy FeCrAl wire that is perfect for heating and resistivity applications, our Bare Copper FeCrAl Wire is the perfect choice. With its impressive thermal properties, magnetic characteristics, and flexible surface options, it is a versatile and reliable wire that is sure to meet your needs.

### Applications:

The FeCrAl wire has a tensile strength of 650 MPa, which makes it an ideal choice for applications that require high strength and durability. The wire also has a high melting point of 1500°C, which makes it suitable for high-temperature applications. The elongation of the wire is greater than 12%, which makes it a flexible and malleable product.

The coefficient of thermal expansion of the wire is  $15.4 \times 10^{-6}/K$ , which makes it an excellent choice for thermal applications. The wire can be used in a range of scenarios such as heating elements, furnaces, and ovens. The wire can also be used in the automotive industry for applications such as oxygen sensors and catalytic converters.

The bare copper FeCrAl wire is suitable for applications that require corrosion resistance, such as marine environments. The copper clad steel wire is suitable for power transmission applications, as it combines the strength of steel with the conductivity of copper. The annealed FeCrAl wire is suitable for applications that require a softer and more malleable wire.

In summary, Victory's FeCrAl wire product is a versatile and high-quality product that can be used in a range of scenarios. Its high strength, durability, and thermal properties make it an ideal choice for a variety of applications.

### Customization:

This product is made in China JiangSu using high-quality FeCrAl (Iron-Chromium-Aluminum) material, which can withstand a maximum working temperature of 1250°C. Its melting point is 1500°C, making it suitable for heating and resistivity applications.

We offer customization services for the surface finish of the FeCrAl Wire, including bright, oxidized, and acide. Contact us to discuss your specific needs and we will work with you to create a product tailored to your requirements.

### Support and Services:

Our FeCrAl Wire product technical support and services include:

Assistance with product selection and application

Technical consultation and troubleshooting

Product performance testing and analysis

Customized product development

On-site training and education

Product documentation and specifications

### Packing and Shipping:

Product Packaging:

The FeCrAl Wire product will be packed in a sturdy cardboard box.

The wire will be wound around a spool and placed in the box.

The box will have a label indicating the product name, specifications, and quantity.

Shipping:

The product will be shipped via a reliable courier service.

The shipment will be insured for the full value of the product.

A tracking number will be provided to the customer.

The customer will be notified of the estimated delivery date and time.

### FAQ:

A: Victory FeCrAl Wire is a type of heating wire made of iron-chromium-aluminum alloy. It is commonly used in heating elements for appliances and industrial applications.

2. Q: What sizes are available for Victory FeCrAl Wire?

A: Victory FeCrAl Wire is available in various sizes ranging from 0.1mm to 12mm in diameter.

3. Q: Where is Victory FeCrAl Wire manufactured?

A: Victory FeCrAl Wire is manufactured in JiangSu, China.

4. Q: What is the maximum temperature that Victory FeCrAl Wire can withstand?

A: Victory FeCrAl Wire can withstand temperatures up to 1400°C (2550°F).

5. Q: What are the benefits of using Victory FeCrAl Wire over other types of heating wires?

A: Victory FeCrAl Wire has a high resistance to oxidation and corrosion, which makes it more durable and longer lasting than other types of heating wires. It also has a low temperature coefficient of resistance, which means that its resistance to electrical current does not change much with temperature fluctuations.



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