

## Beryllium Millberry Red Bare Copper Wire High Strength CuBe2 Uns C17200 Tf00 Th04

### Our Product Introduction

#### Basic Information

- Place of Origin: china
- Brand Name: ShengQuan
- Certification: ISO9001:2000
- Model Number: C10200 C10300 C11000 C12000 T1 T3
- Minimum Order Quantity: 1ton
- Price: USD1500-USD6000
- Packaging Details: Standard Export Sea-Worthy Packing
- Delivery Time: 5-15days
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 15000Tons



#### Product Specification

- Shape: Plate,Coil,Flat Sheet,Sheet/Plate/wire
- Width: 3.0mm-1200mm,0.5--200mm,Customized
- Material: Brass,Bronze,C10100
- Cu (min): 99.90%,99%,65%
- Thickness: 0.1mm~200mm,0.2mm-3.0mm
- Conductor Type: Stranded Or Solid,enamelled Copper Wire
- Conductor Material: Copper,Copper Clad Aluminum,Annealed Copper Wire,CU/CCA/CCAM
- Type: Insulated,Bare,Other
- Color: Optional,Red,Copper,Requirement
- Highlight: **C17200 Bare Copper Wire,**  
**Millberry Bare Copper Wire,**  
**Beryllium millberry copper**



## Product Description

### Beryllium Millberry Copper Red Copper Wire High Strength CuBe2 Uns C17200 Tf00 Th04

Electrical conductivity is a measure of how well a material transports an electric charge. This is an essential property in electrical wiring systems.

The theory of metals in their solid state helps to explain the unusually high electrical conductivity of copper. In a copper atom, the outermost energy zone, or conduction band, is only half filled, so many electrons are able to carry electric current. When an electric field is applied to a copper wire, the conduction of electrons accelerates towards the electropositive end, thereby creating a current. These electrons encounter resistance to their passage by colliding with impurity atoms, vacancies, lattice ions, and imperfections. The average distance travelled between collisions, defined as the "mean free path", is inversely proportional to the resistivity of the metal. What is unique about copper is its long mean free path. This mean free path increases rapidly as copper is chilled.

#### Typical Physical Properties of Alloy 25(UNS.C17200) Copper Beryllium Alloy

|                                                         |           |
|---------------------------------------------------------|-----------|
| Density (g/cm3):                                        | 8.36      |
| Density before age hardening (g/cm3):                   | 8.25      |
| Elastic Modulus (kg/mm2 (103)):                         | 13.4      |
| Thermal Expansion Coefficient (20 °C to 200 °C m/m/°C): | 17 x 10-6 |
| Thermal Conductivity (cal/(cm-s-°C)):                   | 0.25      |
| Melting Range (°C):                                     | 870-980   |

#### Mechanical and Electrical Properties of Alloy 25(UNS.C17200) Copper Beryllium Round Wires:

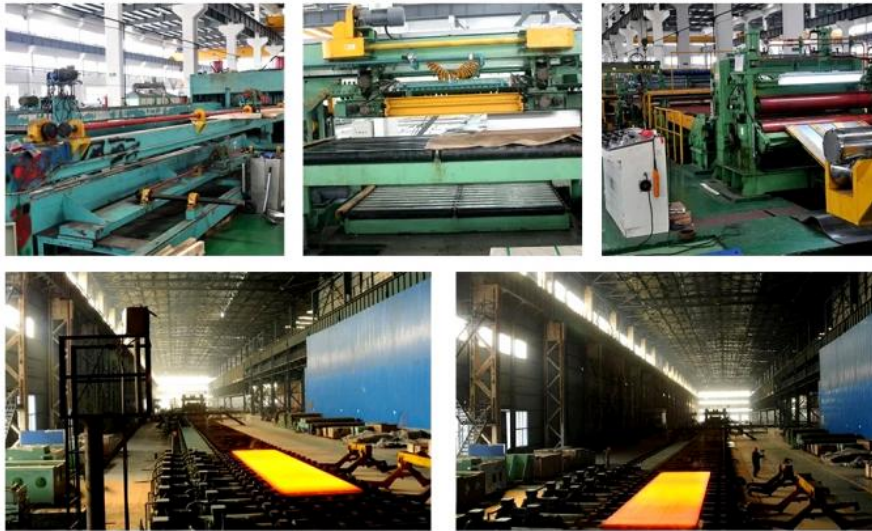
| Alloy           | Temper (*) | Heat Treatment | Tensile Strength Mpa | Elongation percent | Electrical Conductivity percent IACS |
|-----------------|------------|----------------|----------------------|--------------------|--------------------------------------|
| CUBERYLLIUM 172 | A          | /              | 400 580              | 30-60              | 15-19                                |
|                 | 1/4 H      | /              | 570 795              | 3~25               | 15-19                                |
|                 | 1/2 H      | /              | 710 930              | 2~15               | 15-19                                |
|                 | 3/4 H      | /              | 840 1070             | 2~8                | 15-19                                |
|                 | H          | /              | 915 1140             | 1~6                | 15-19                                |
|                 | AT         | 3 hr 315       | 1050~1380            | 3 min              | 22-28                                |
|                 | 1/4 HT     | 2 hr 315       | 1150~1450            | 2 min              | 22-28                                |
| CUBERYLLIUM 172 | 1/2 HT     | 1.5hr 315      | 1200~1480            | 2 min              | 22-28                                |
|                 | 3/4 HT     | 1.0 hr 315     | 1250~1585            | 2 min              | 22-28                                |
|                 | HT         | 1.0hr 315      | 1300~1585            | 1 min              | 22-28                                |
|                 | (TH04)     |                |                      |                    |                                      |



**Wuxi Shengquan Metal Products Co., Ltd.** is located in Wuxi City, Jiangsu Province. The company's products include seamless pipe, color coated plate, galvanized plate, aluminum plated plate, aluminum plate, copper plate, carbon steel pipe, wear-resistant plate, building materials, pipes and other products, which are widely used in chemical industry, pharmacy, electric power, shipbuilding, railway, automobile, papermaking and

construction engineering. We ensure that customers are carefree in the whole process of product consultation, procurement, ordering and use! Over the years, the company has won the trust of our customers with high-quality products and first-class service. With your favor, our products are sold all over the world! We have customers in South America, North America and Southeast Asia. With the support of new and old customers, we will work harder and more enterprising to repay more customers with better and more efficient services.

## Packing & Delivery



### 1. Who are we?

We are based in wuxi, China, start from 2021, sell to Mid East(35.00%), South America(20.00%), Southeast Asia(20.00%), Africa(5.00%), Eastern Asia(5.00%), Northern Europe(5.00%), Southern Europe(5.00%), South Asia(5.00%). There are total about 51-100 people in our office.

### 2. How can we guarantee quality?

Always a pre-production sample before mass production;  
Always final Inspection before shipment;

### 3. What can you buy from us?

steel sheet coil, ppgi pppl, galvanized steel coil, aluminum steel coil sheet, stainless steel

### 4. Why should you buy from us not from other suppliers?

Integrating the superior resources of China's steel industry, we provide customers with high-quality steel products at preferential prices, and can ensure that the goods are delivered to customers in a timely manner.

5. What services can we provide?

Accepted Delivery Terms: FOB,CFR,CIF,EXW,FCA,DDP,DDU,Express Delivery

Accepted Payment Currency:USD,EUR,CNY;

Accepted Payment Type: T/T,L/C,Credit Card,Weste



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