



## Wholesale Price Mineral Insulated Cable MI Thermocouple Cable With Certifications

Our Product Introduction

for more products please visit us on [victory-alloy.com](http://victory-alloy.com)

### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: K, N, E, J, T, B, R, S Types
- Minimum Order Quantity: 5 Kg
- Price: 50 - 499 meters \$3.00
- Packaging Details: Spool package with Carton box, Coil package with polybag
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



### Product Specification

- Product Name: MI Thermocouple Cable
- Warranty: 1 Year
- Conductor Material: NiCr-NiSi, NiCrSi-NiSi, NiCr-Konstantan, Fe-Konstantan, Cu-Kon
- Sheath Material: SS304, SS321, SS316, SS310, INCL600, 601, Microbell, SS446
- Dia(mm): 0.25mm To 12.7mm
- Insulator: 99.6% High Purity MgO
- Temperature Range: 0~1100(°C)
- Size: Customized Size
- Customized Support: OEM, ODM, OBM, Software Reengineering
- Application: Temperature Measuring
- Highlight: **Type B Mineral Insulated Thermocouple Cable, Mineral Insulated Thermocouple Cable 0.5mm, BN Mineral Insulated Cable**



### More Images



Our Product Introduction

### Product Description



## MI THERMOCOUPLE CABLE

Customized service available

Name: Mineral Insulated Cable

Type: K, N, E, J, T

Conductor material: NiCr-NiSi, NiCrSi-NiSi), NiCr-Konstantan, Fe-Konstantan, Cu-Konstantan

Insulator: 99.6% high purity MgO

Core number: 2, 4, 6

Sheath material: SS321(SS304), SS316, SS310, INCL600,601,

Nicrobell, SS446, SS347, 800, 800H, 825, INCONEL601, INCONEL625, GH4145 and GH3128

Dia(mm): from 0.25mm to 12.7mm

Application: connecting with thermocouple and instrument machine

MOQ: 100m

Certificate: ISO, SGS

Making sample time: all type in stock

Trade term: FOB, EXW, CIF, CFR

Payment term: T/T, Western Union, L/C

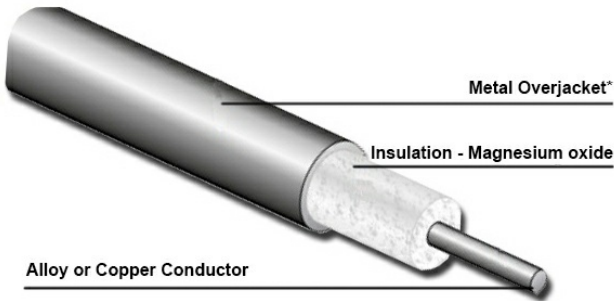
Advantage: Competitive price and best service

Code	Wire Component of the thermocouple	
	+Positive leg	- Negative Leg
N	Ni-Cr-Si(NP)	Ni-Si-magnesium (NN)
K	Ni-Cr(KP)	Ni-Al(Si) (KN)
E	Ni-Cr(EP)	Cu-Ni (EN)
J	Iron (JP)	Cu-Ni (JN)
T	Copper (TP)	Cu-Ni (TN)
B	Platinum Rhodium-30%	Platinum Rhodium -6%
R	Platinum Rhodium-13%	Platinum
S	Platinum Rhodium -10%	Platinum

Material	Type	Grade	Working temperature (deg)		Tolerance	Standard
			Long Term	Short Term		
NiCr-NiSi	K	1	-40~1100	-40~1300	±1.5 deg	GB/T 2614-199
		2			±2.5 deg	
NiCr-CuNi	E	1	-40~800	-40~900	±1.5 deg	GB/T 4993-199
		2			±2.5 deg	
Fe-Constantan	J	1	-40~600	-40~800	±1.5 deg	GB/T 4994-199
		2			±2.5 deg	
Cu-CuNi	T	1	-200~300	-200~400	±0.5 deg	GB/T 2903-199

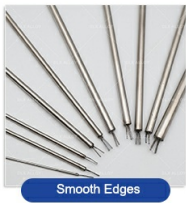
Outer Sheath(mm)		core wire Dia. ( mm)		Outer Sheath(mm) core wire Dia. ( mm)			B Types
Out Dia	Wall Thickness	K,N,E,J,T Types	S,R,B Types	K,N Types	E,J,T Types	S,R Types	
0.5	0.05-0.10	0.08-0.12	...	SS304, SS321, SS316, SS310, INCL600	SS30, SS32, SS316	INCL60, INCL80	INCL60, INCL80
1.0	0.10-0.20	0.15-0.20	...				
1.5	0.15-0.25	0.23-0.30	...				
1.6	0.16-0.26	0.26-0.36	...				
2.0	0.25-0.35	0.40-0.50	0.25-0.30				
3.0	0.38-0.48	0.50-0.60	0.30-0.40				
3.2	0.48-0.58	0.58-0.68	0.30-0.40				
4.0	0.52-0.62	0.60-0.70	0.35-0.40				
4.8	0.73-0.83	0.75-0.85	0.40-0.45				

5.0	0.78-0.88	0.80-0.90	0.40-0.45				
6.0	0.98-1.08	0.90-1.10	0.45-0.50				
6.4	1.05-1.15	1.02-1.12	0.45-0.50				
8.0	1.30-1.44	1.30-1.40	0.45-0.50				
12.7	1.75-1.90	1.95-2.05	...				



## Product Details

High-quality materials and surface treatment technology



## Product Comparison

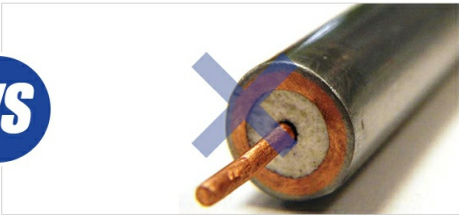
The quality of our products has been strictly tested and guaranteed



OTHERS



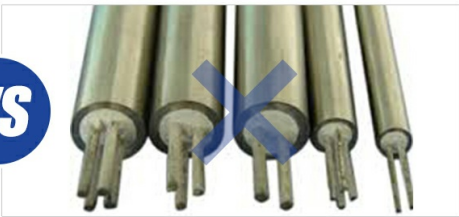
Smooth Edges



Uneven Edges



Product Quality Strict Inspection



Product Quality Is Not Up To Standard

## Application Field

MI thermocouple cables are widely used in many fields



**MI thermocouple cables, also known as mineral-insulated thermocouple cables, find applications in various industries that require accurate temperature measurement. Some common areas of application for MI thermocouple cables include:**

1. **Industrial Processes:** MI thermocouple cables are widely used in industrial processes such as oil and gas, chemical processing, power generation, and metal refining. They enable precise temperature monitoring and control in these environments.
2. **Furnaces and Kilns:** MI thermocouple cables are employed in high-temperature applications like furnaces, kilns, and incinerators. They can withstand extreme temperatures and provide reliable temperature measurements in harsh conditions.
3. **Aerospace and Aviation:** MI thermocouple cables are utilized in the aerospace and aviation industries for temperature monitoring in aircraft engines, gas turbines, and rocket propulsion systems. They play a crucial role in ensuring safe and efficient operation.
4. **Research and Development:** MI thermocouple cables are used in scientific research laboratories and development facilities for accurate temperature measurement in experiments, testing, and prototype development.
5. **Automotive Industry:** MI thermocouple cables are employed in the automotive sector for temperature monitoring in engines, exhaust systems, and other critical components. They help optimize performance, fuel efficiency, and emissions control.
6. **Food Processing:** MI thermocouple cables are utilized in food processing applications to monitor and control temperatures in ovens, boilers, and other cooking or cooling processes. They contribute to ensuring food safety and quality.
7. **Pharmaceutical and Biotechnology:** MI thermocouple cables find application in pharmaceutical and biotechnology industries for temperature monitoring in drug manufacturing, fermentation processes, and sterilization equipment.

These are just a few examples of the application areas for MI thermocouple cables. Their versatility, accuracy, and durability make them suitable for a wide range of industries where precise temperature monitoring is essential.

## Product Process

The production process and technology used in the product

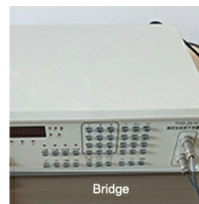


## Product Comparison

The quality of our products has been strictly tested and guaranteed



EMF Detection



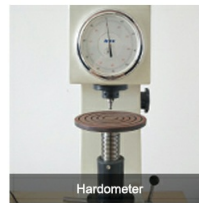
Bridge



Spectrometer



Alloy Analyser



Hardometer



Fast Life Tester



## OEM Services

We can provide customized services for customers

### Product Customization

**Size:0.50-12.7mm**

We can customize MI thermocouple cable of different size for customers.



### Label Customization



We can provide label customization service for customers' products.

## Recommended Products

Click to learn more about related products



Thermocouple Wire



Thermocouple Extension Wire



Thermocouple Sensor



Sensor Element



Thermocouple PCB Plug



Thermocouple Head

**20+**

Industry Experience

**50+**

Certifications

**1000+**

Metal Products

**2000+**

Cooperative Business

## Company Profile

We are a leading alloy metal manufacturer founded in 2002, providing high-quality and high-performance alloy products and services to our customers. Our company is dedicated to becoming the industry leader in the alloy field, and we have received multiple industry certifications and awards, including the ISO9001 International Quality Management System Certificate and the SGS Certificate.

Over the past 18 years, we have focused on the resistance alloy business and continuously innovated and explored, ultimately developing new nickel-based alloy products such as chromium-nickel-iron alloy, Monel alloy, Hastelloy alloy, high-temperature alloy, and more.



## Our Advantages

Our advantages can provide customers with better service



HIGH QUALITY



SUPER  
ELASTICITY



HIGH STRENGTH



BRAND EFFECT



PROFESSIONAL  
FACTORY



TECHNICAL  
SUPPORT



R&D INNOVATION  
SERVICES



AFTER-SALES  
SERVICE



ISO  
CERTIFICATION



EFFICIENT  
LOGISTICS SERVICE

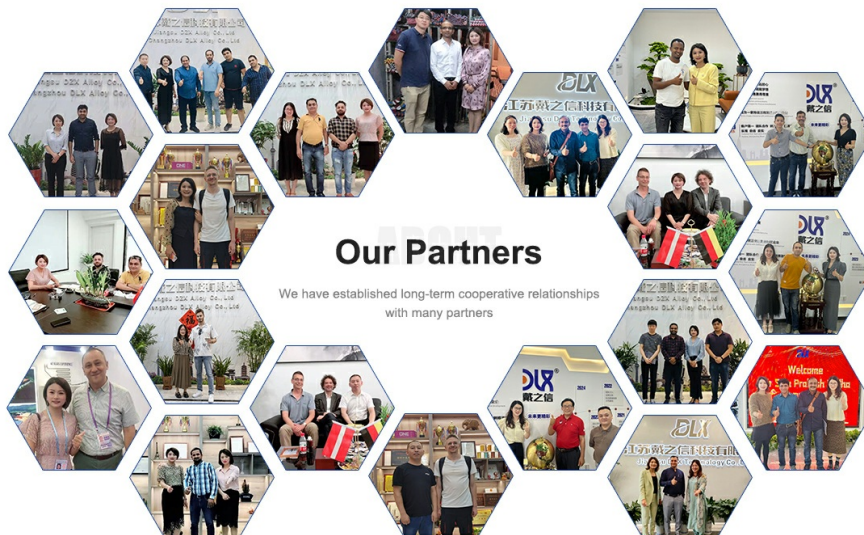
## Our Certifications

Our products have obtained national standard certification



## Our Partners

We have established long-term cooperative relationships  
with many partners



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