

Mineral Insulated Cable MI Thermocouple Cable With Certifications

Our Product Introduction

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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: in coils, carton and wooden case.
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 50 - 999 meters \$2.88



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: SS304 Mineral Insulated Cable, MI Thermocouple Cable



More Images



Product Description

MI Thermocouple Cable is a high performance mineral insulated thermocouple cable that provides reliable temperature measurement and control solutions. This product series covers a variety of models, including K-type, N-type, E-type, J-type, T-type, B-type, R-type and S-type. Each model corresponds to a different thermocouple type, suitable for various temperature ranges and application scenarios.

Type K thermocouples are suitable for a wide range of industrial applications, with a wide temperature range and good linear characteristics. N-type thermocouples are suitable for high temperature measurements and have high stability and oxidation resistance. Type E thermocouples are suitable for higher temperature ranges and have good stability and low drift performance. Type J thermocouples are suitable for lower temperature ranges and have higher sensitivity and linearity. T-type thermocouples are suitable for low-temperature measurements and have good stability and corrosion resistance. Type B, R and S thermocouples are suitable for extremely high temperature

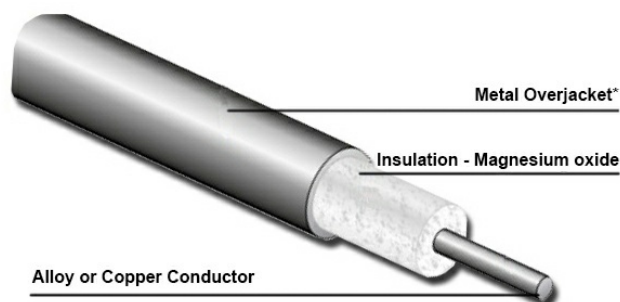
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measurements and have the characteristics of high stability and strong corrosion resistance.

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 2614-1995
		2			±2.5 deg	
NiCr-CuNi	E	1	-40~800	-40~900	±1.5 deg	GB/T 4993-1995
		2			±2.5 deg	
Fe-Constantan	J	1	-40~600	-40~800	±1.5 deg	GB/T 4994-1995
		2			±2.5 deg	
Cu-CuNi	T	1	-200~300	-200~400	±0.5 deg	GB/T 2903-1995

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, INCL800	INCL60, INCL800
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	...				





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