Bright Thermocouple Extension Wire Fiberglass Insulation Compensation Cable

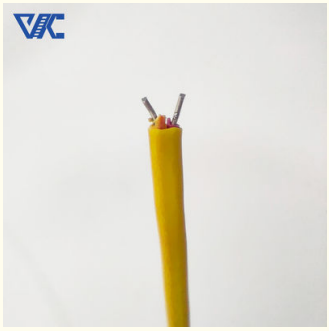
Our Product Introduction

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
- 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: Thermocouple Extension Wire
- Color: Bright
- Certificate: ISO9001
- Temperature Range: 32 To 392F (0 To 200C)
- EMF Tolerance: +/- 2.2C Or +/- .75%
- Grade: Extension Grade NPX/NNX
- Positive: Ni-cr-si
- Negative: Ni-si-magnesium
- Other Name: Nicrosil
- Special Limits Of Error: +/- 1.1C Or 0.4%
- Highlight: **Bright Thermocouple Extension Wire**, **Fiberglass Insulation Compensation Cable**



More Images

Our Product Introducti

Product Description

Thermocouple Extension Wire is a cable designed to extend thermocouple signals and is suitable for a variety of thermocouple types, including Type K, Type N, Type E, Type J, Type T, Type B, Type R, and Type S. It plays a vital role in the field of temperature measurement and control.
The main purpose of Thermocouple Extension Wire is to transmit the thermocouple signal from the measurement point to the instrument or control system for accurate temperature measurement and monitoring. This cable uses thermocouple wires made of two different metal materials to determine the temperature value by measuring the temperature difference between the two junctions. Its special design and material selection ensure good linear characteristics and stability, and can accurately capture and transmit weak thermocouple voltage signals.
Thermocouple Extension Wire has excellent anti-interference capabilities and can effectively resist the effects of electromagnetic interference, noise and temperature changes on signals. This enables it to stably transmit reliable temperature data in industrial environments, ensuring the accuracy and reliability of temperature measurement.

Thermocouple Wire

Code	Wires 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<constantan> (EN)
J	Iron (JP)	Cu-Ni<constantan> (JN)
T	Copper (TP)	Cu-Ni<constantan> (TN)

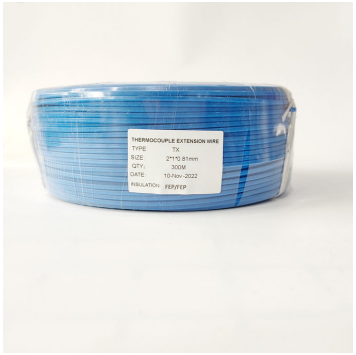
Standards

ASTM	ANSI	IEC	DIN	BS	NF	JIS	GO
(American Society for Testing and Materials) E 230	(American National Standard Institute) MC 96.1	(European Standard by the International Electrotechnical Commission 584)-1/2/3	(Deutsche Industrie Normen) EN 60584 -1/2	(British Standards) 4937.1041, EN 60584 - 1/2	(Norme Française) EN 60584 -1/2 - NFC 42323 - NFC 42324	(Japanese Industrial Standards) C 1602 - C 1610	(Ur Ru Sp 304

Thermocouple No. indexing	Compensation wire type	Usag Classification	Measuring junction temperature / ℃	standard EMF value/μV	Precision grade		General grade	
					Tolerance μV	Thermal EMF range μV	Tolerance μV	Therm
SorR	SC or RC	G	100	646	±30	616~676	±60	586~7
		H	100	646	-	-	±60	586~7
			200	1 1441	-	-		1.381~
K	KX,KCA or KCB	G	-25	-968	±40	-924~-1 012	±80	-880~-
			100	4 096		4 052~4 140		4 008~
		H	-25	-968	±40	-924~-1 012	±88	-880~-
			100	4 096		4 052~4 140		4 008~
			200	8 138		8 094~8 182		8 050~
N	NX or NC	G	-25	-646	±43	-603~-689	±86	-560~-
			100	2 774		2 731~2 817		2 688~
		H	-25	-646	±43	-603~-690	±86	-560~-
			100	2 774		2 731~2 817		2 688~
			200	5 913		5 870~5 956		5 827~
E	EX	G	-25	-1 432	±81	-1 351~-1 513	±138	-1 294
			100	6 319		6 238~ 6400		6 181~
		H	-25	-1 432	±81	-1 351~-1513	±138	-1 294
			100	6 319		6 238~6 400		6 181~
			200	13 421		13 340~13 502		13 283
J	JX	G	-25	-1 239	±62	-1 177~-1 301	±123	-1 116
			100	5 269		5 207~5 331		5 146~
		H	-25	-1 239	±62	- 177~-1 301	±123	-1 116
			100	5 269		5 207~5 331		5 146~
			200	10 779		10 717~10 841		10 656
T	TX	G	-25	-940	±30	-910~-970	±60	-850~-
			100	4 279		4 249~4 309		4 189~
		H	-25	-940	±48	-892~-988	±90	-850~-
			100	4 279		4231~4 327		4 189~
			200					

Type N Accuracy (whichever is greater):

Maximum continuous operating temperature: up to 2,300F (1,260C)
Short term use: 2,336F (1,280C)
Thermocouple grade wire, -454 to 2300F (-270 to 1,260C)
Extension wire, 32 to 392F (0 to 200C)



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