



Thermocouple RTD PT100 Extension Wire Cable Customized 2 4 6 9 12 Wires

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
- 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: Thermocouple RTD PT100 Extension Wire, 12 Wires Thermocouple Extension Cable



More Images



Our Product Introduction

Product Description

Thermocouple Extension Wire is a cable designed to extend thermocouple signals and can be used in 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 key role in temperature measurement and control applications.

Thermocouple Extension Wire is designed to transmit thermocouple signals from the measurement point to an instrumentation or control system for accurate temperature measurement and monitoring. This cable uses thermocouple wires made of two different metals to form a thermocouple loop, and the temperature value is determined by measuring the temperature difference between the two contacts. Its special structure and material selection ensure good linear characteristics and stability to accurately capture and transmit weak thermocouple voltage signals.

Thermocouple Extension Wire has excellent anti-interference ability 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 and ensure the accuracy 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	ГОСТ
(American Society for Testing and Materials) E 230	(American National Standard Institute) 96.1	(European Standard by the International Electrotechnical Commission 584)-1/2/3	(Deutsche Industrie Normen) 60584 -1/2	(British Standards) EN4937.1041, 60584 - 1/2	(Norme Française) EN 60584 -1/2 - NFC 42323 - NFC 42324	(Japanese Industrial Standards) C 1610	(Ur Ru Sp) 1602 Sp 30

Thermocouple indexing	No.	Compensation wire type	Usag Classification	Measuring junction temperature / °C	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
				100	646	-	-		586~7
			H	200	1 1441	-	-	±60	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		-924~-1 012		-880~-
				100	4 096	±40	4 052~4 140	±88	4 008~
N	NX or NC			200	8 138		8 094~8 182		8 050~
			G	-25	-646	±43	-603~-689	±86	-560~-
				100	2 774		2 731~2 817		2 688~
			H	-25	-646		-603~-690		-560~-
E	EX			100	2 774	±43	2 731~2 817	±86	2 688~
				200	5 913		5 870~5 956		5 827~
			G	-25	-1 432	±81	-1 351~-1 513	±138	-1 294~
				100	6 319		6 238~ 6400		6 181~
J	JX		H	-25	-1 432		-1 351~-1 513		-1 294~
				100	6 319	±81	6 238~6 400	±138	6 181~
				200	13 421		13 340~13 502		13 280~
			G	-25	-1 239	±62	-1 177~-1 301	±123	-1 116~
T	TX			100	5 269		5 207~5 331		5 146~
			H	-25	-1 239		-1 177~-1 301		-1 116~
				100	5 269	±62	5 207~5 331	±123	5 146~
				200	10 779		10 717~10 841		10 656~
			G	-25	-940	±30	-910~-970	±60	-850~-
				100	4 279		4 249~4 309		4 189~
			H	-25	-940		-892~-988		-850~-
				100	4 279	±48	4231~4 327	±90	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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