



Electric High Temperature Shielded B R S K Type Thermocouple Extension Wire

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: **NN type n thermocouple extension wire,**
NP type n thermocouple extension wire,
Ni-Cr-Si thermocouple extension



More Images



Product Description

Thermocouple Extension Wire

Type N Thermocouple extension wire (Nickel-Chromium-silicon / Nickel-Silicon-Magnesium):

The thermocouple compensation cables can also be termed as instrumentation cables, since they are used for process temperature measurement. The construction is similar to pair instrumentation cable but the conductor material is different. Thermocouples are used in processes to sense temperature and is connected to the pyrometers for indication and control. The thermocouple and pyrometer are electrically conducted by thermocouple extension cables / thermocouple compensating cables. The conductors used for these thermocouple cables are required to have similar thermo-electric (emf) properties as that of the thermocouple used for sensing the temperature.

Our plant mainly manufacture type KX, NX, EX, JX, NC, TX, SC/RC, KCA, KCB compensating wire for thermocouple, and they are used in temperature measurement instruments and cables. Our thermocouple compensating products are all made abiding by GB/T 4990-2010 'Alloy wires of extension and compensating

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cables for thermocouples' (Chinese National Standard), and also IEC584-3 'Thermocouple part 3-compensating wire' (International standard).

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	GB
(American Society for Testing Materials) E 230	(American National Standard Institute) MC 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 1602 Sp C 1610	(Ur Ru) 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
		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~-1 513	±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	-1 177~-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		4 231~4 327		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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