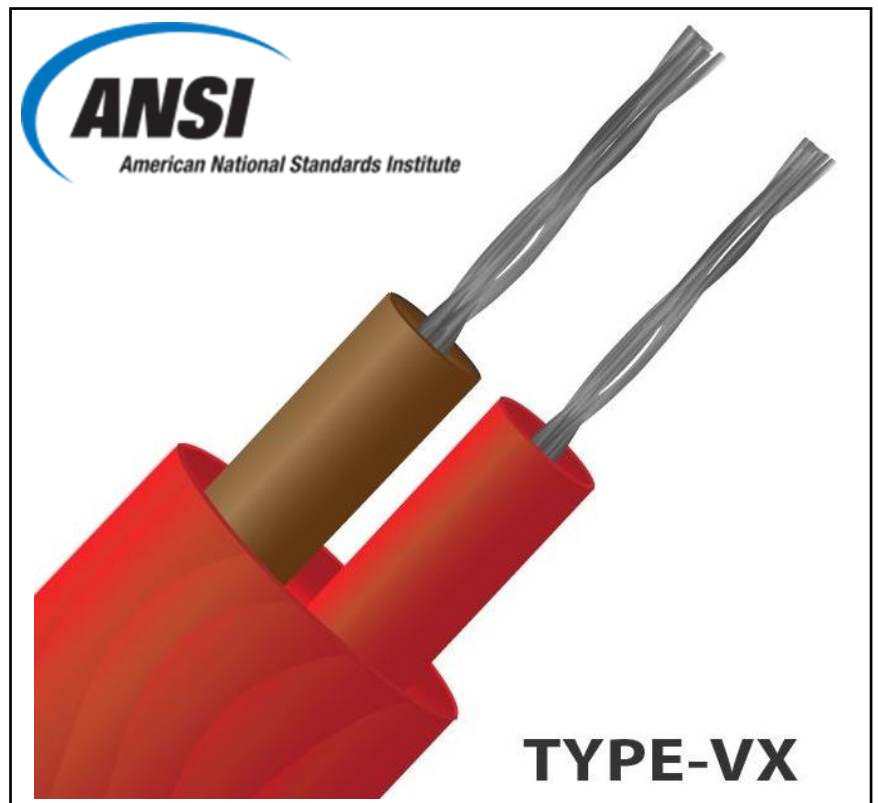


## FEATURES

- Good general-purpose insulation for 'light' environments. Waterproof and very flexible
- Flat pair construction
- ANSI colour coded
- The American National Standards Institute (ANSI) coordinates U.S. standards with international standards so that American products can be used worldwide.

# RS PRO Thermocouple & Extension Wire Type Vx PVC Insulated Flat Pair Thermocouple Cable / Wire (ANSI) 7/0.2mm 50m (164ft)

RS Stock No.: 2154937



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

Compensating cable resembles the thermoelectric characteristic of the relevant thermocouple over a limited ambient temperature range, 0° to 80°C typically. Since these cables are made from low cost materials, cost savings can be achieved on plant installations compared with running true thermocouple extension cable.

## General Specifications

<b>General Description</b>	Good general-purpose insulation for 'light' environments. Waterproof and very flexible.
<b>Cable Length</b>	50m (164ft)
<b>Cable Type</b>	Flat pair construction
<b>Core / Strands</b>	7/0.2mm
<b>Conductor Cross Section 7/0.2 (mm<sup>2</sup>)</b>	0.219
<b>Outer Colour</b>	Red
<b>+ Colour</b>	Brown
<b>- Colour</b>	Red
<b>Drain Wire</b>	No
<b>Insulation Material</b>	PVC Insulated
<b>Loop Resistance 7/0.2 (Ohms per combined metre)</b>	2.3
<b>Max. Temperature</b>	+105°C (+221°F)
<b>Min. Temperature</b>	-10°C (+14°F)
<b>+ Conductor</b>	Copper
<b>- Conductor</b>	Constantan
<b>Screen</b>	No
<b>Standards Met</b>	Colour code (cores & jacket) to ANSI MC96.1
<b>Thermocouple Type</b>	Compensating type Vx (KCB) for type K Thermocouples
<b>Tolerance</b>	Class 2

## Approvals

<b>RoHS Compliant</b>	Yes
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## Similar Products

Type	Cable	Core / Strands	10m (32.8ft)	25m (82ft)	50m (164ft)	100m (328 ft)	200m (656 ft)
Vx	PVC	7/0.2mm	2154936	8140103	2154937	8140112	8140115

RS Components is a leading provider for Automation and Control Gear, below is a selection of best selling products:

rspro.com

Temperature.  
It matters

**Calibration**

Whether it's existing equipment or a new purchase, you need to have confidence in the accuracy of your measurements.

That's where our calibration service can help.

Purchase new products with confidence.

A certificated calibrated sensor straight out of the box, ready to use.

**Best Sellers**

- ANSI SYSCAL Type K Mineral Insulated Thermocouple**  
RS 181-7296
- IEC SYSCAL Type K Mineral Insulated Thermocouple**  
RS 181-7288
- IEC SYSCAL Type J Mineral Insulated Thermocouple**  
RS 181-7305



**RTD Detectors**

Wire-wound type provides greater accuracy and stability but are vulnerable to shock.

Flat film type are resistant to shock and have quicker thermal response times.

Various lengths and diameters available, in class A, B and 1/10th Din.

**Best Sellers**

- PT1000 Thin Film Detector**  
RS 362-9907  
Allied 70643582
- PT100 Wire Wound Detector**  
RS 611-7839  
Allied 70646151
- PT100 Wire Wound Detector**  
RS 362-9799  
Allied 70643577

**Exposed Junction Thermocouples**

Including exposed junctions with fitted or moulded miniature plug and insulated leads, ideal for test and development applications.

1, 2, 3, 5 & 10m lengths available in IEC or ANSI colours.

**Best Sellers**

- ANSI Type K Exposed Junction**  
RS 814-0134  
Allied 70656459
- ANSI Type K High Temp Exposed Junction**  
RS 131-4749  
Allied 71080908
- IEC Type K Exposed Junction**  
RS 363-0250  
Allied 70643600



**Fabricated and Specialist Thermocouples**

Styles include; Magnet, Washer, Nozzle, Leaf, Bayonet & Bolt thermocouple. Various lengths and calibration types available.

**Best Sellers**

- Magnet Thermocouple**  
RS 762-1115  
Allied 70651739
- Heavy Duty Thermocouple**  
RS 762-1128  
Allied 70651743
- Rubber Patch Thermocouple**  
RS 290-5036  
Allied 70642886

**Thermocouple & PRT Cable**

Thermocouple cables are available in IEC or ANSI colour codes. Insulation types include PFA, PTFE, PVC & Fibreglass. Available spool lengths include 10, 25, 50, 100 and 200m.

**Best Sellers**

- IEC PVC Insulated Flat Pair**  
RS 219-4573  
Allied 70641630
- ANSI PFA Insulated Twin Twisted**  
RS 814-0030  
Allied 70656106
- IEC Glassfibre Insulated Flat Pair**  
RS 236-3836  
Allied 70641730



**Thermocouple Connectors**

Range of miniature or standard thermocouple connectors. Available in thermocouple types K, J, T, E, N, RS, B, and copper. IEC, ANSI & JIS colour codes available.

**Best Sellers**

- IEC Thermocouple Plug**  
RS 455-9764  
Allied 70644391
- ANSI Thermocouple Socket**  
RS 769-1127  
Allied 70652125
- IEC Thermocouple PCB Socket**  
RS 381-7570  
Allied 70643749

RS Components is a leading provider for Automation and Control Gear, below is a selection of best selling products:



**Mineral Insulated Thermocouples**

Available in various calibration types with a variety of terminations. These include; Thermocouple plugs, Terminal heads and Thermocouple cable

**Best Sellers**



**IEC Thermocouple with PTFE Cable**  
RS 397-1236  
Allied 70643843



**IEC Thermocouple with Mini Plug**  
RS 397-1488  
Allied 70643863



**ANSI Thermocouple with PFA Cable**  
RS 847-1019  
Allied 70658112



**NEW PRODUCTS**

**Brake Pad Temp Sensor**  
RS 200-0601  
Allied 72173869

**NEW PRODUCTS**  
RS PRO, the own brand of RS Components, offers an unbeatable range of products across all industries with quality you can trust.



**RTD Temp Sensor Hirschmann Style**  
RS 200-0594  
Allied 72173862



**Washer Thermocouple**  
RS 200-0616  
Allied 72173882

New products are constantly added to improve the offering of our product range.



**Sensors with Industrial Terminal Heads**

Industrial sensors housed in a stainless steel sheath and terminal head protection to IP67. Available as a thermocouple or Pt100.

**Best Sellers**



**Type K 300mm Long**  
RS 787-7829  
Allied 70653306



**Type K 200mm Long**  
RS 787-7816  
Allied 70653303



**Type K 100mm Long**  
RS 787-7804  
Allied 70653235



**L60 Fine Wire Thermocouple Welder**

The Thermocouple Welder is a compact, simple-to-use instrument designed for thermocouple and fine wire welding. Supplied with foot switch, spare electrodes, pliers & safety glasses, impact clip and pen plate.

**Best Sellers**



**L60 Fine Wire Thermocouple Welder**  
RS 363-0351  
Allied 70825788



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