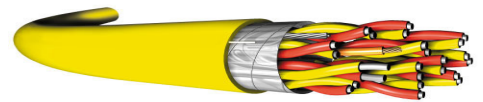


# Thermocouple and Extension



## APPLICATION:

The principle behind thermocouple wire is that the joining of two alloys exposed to certain temperature will create a specific voltage. A different temperature will produce a different voltage. Essentially temperature can be measured using thermocouple wire and equipment that can translate the voltage reading into a corresponding temperature. Those two alloys are the wire's Calibration.

Calibrations fall into three categories.

- Thermocouple Special Limits of Error
- Thermocouple Wire
- Thermocouple Extension ( Designated by X after thermocouple type)

## Cable Examples

### PVC Thermocouple Cable



#### PVC Thermocouple Cable

- Stranded Conductors, 7/0.2
- PVC/PVC 100°C

### PVC with Screen Thermocouple Cable



#### PVC with Screen Thermocouple Cable

- Stranded Conductors, 13/0.2
- PVC/PVC 100°C
- Aluminium Mylar screen and drain wire

### Multicore Thermocouple Cable



#### PVC Multicore Thermocouple Cable

- Solid Conductors
- 2, 4, 8, 12 or 24 Pair, (others on request)
- PVC/PVC 100°C
- Aluminium Mylar screen and drain wire
- Galvanised Steel Wire Braid

### Teflon Thermocouple Cables



#### Teflon Thermocouple Cables

- Solid or Stranded Conductors, 0.25, 0.8 7/0.2
- PTFE/PTFE 260°C
- Thermocouple Grade

### Fiberglass Thermocouple Cable



#### Fiberglass Thermocouple Cable

- Stranded or Solid Conductors
- FG/FG 400°C
- Thermocouple or Extension Grade

### Fiberglass with S/S Braid Thermocouple Cable



#### Fiberglass with Stainless Steel Braid Thermocouple Cable

- Stranded Conductors
- FG/FG with S/S outer Braid 400°C

### Ceramic Fiber Thermocouple Cable



#### Ceramic Fiber Thermocouple Cable

- Solid Conductors, 0.8mm
- Ceramic Fiber 1200°C

**Please call our sales team  
to assist you further  
with your thermocouple  
and extension  
requirements**

**Also available  
Thermocouple and RTD  
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