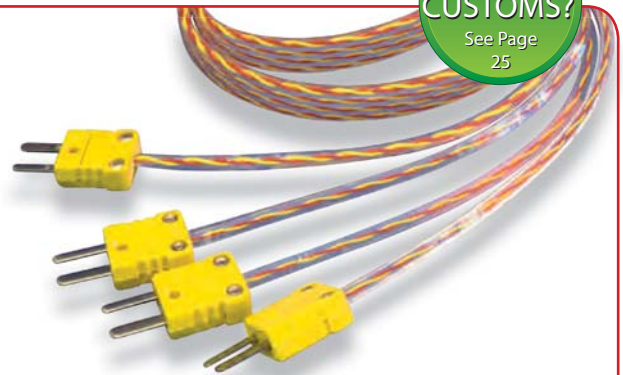


# Thermocouple Cable

- Ideal for Control Instrumentation & Temperature Sensing Applications
- Rated from -65°C to +260°C
- Available in Type J & Type K Versions with 1 - 8 Conductors

Cicoil Thermocouple Cables are ideal for high performance temperature sensing applications, where flexibility and reliability are needed. Available in flat cables, with up to 8 thermocouples, and encased in Cicoil's clear Flexx-Sil™ jacketing, these cables provide high performance and compact packaging for the most demanding thermocouple applications.



**NEED CUSTOMS?**

See Page 25

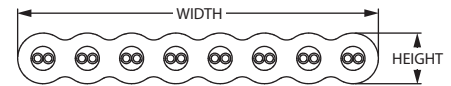
 **UL** MEETS 94V-0   
  **CS**   
  **CE**   
 **RoHS** COMPLIANT   
 **REACH** COMPLIANT   
 **FAA** FLAME TESTED

**Applications**  
 Temperature Sensing, Heating & Air Conditioning, Cooking Equipment

## Cable

Type	Conductor Gauge	No. of Conductors	Diameter [inches]		Part Number
			Width	Height	
J	28 AWG	1	0.14	0.14	TC-J-01
		2	0.27	0.14	TC-J-02
		4	0.54	0.14	TC-J-04
		8	1.08	0.14	TC-J-08
K	28 AWG	1	0.14	0.14	TC-K-01
		2	0.27	0.14	TC-K-02
		4	0.54	0.14	TC-K-04
		8	1.08	0.14	TC-K-08

## Dimensions



## Cable Assemblies



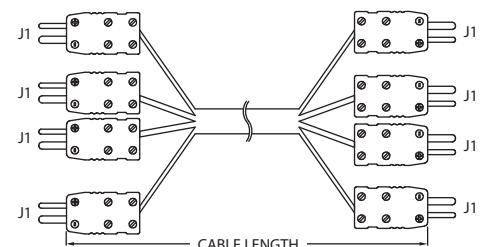
Please contact Cicoil for other connectors and length options.

Cable Length (feet)	Part Number Addition
3	-CA003
6	-CA006
12	-CA012

### Notes

1. Append onto base cable Part Number for complete assembly.  
Example: TC-J-24-CA003
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

## Assembly Dimensions



### Connectors

- Type K Signal (J1): Omega, P/N SMPW-CC-K-M
- Type J Signal (J1): Omega, P/N SMPW-CC-J-M

## Cable Specifications

All engineering values are nominal and subject to change.

### Mechanical

**Conductors:** Ultra flexible, finely stranded, tinned copper  
**Minimum Bend Radius:**  
 - 6x cable height for intermediate flex  
 - 10x cable height for continuous flex  
**Outer Jacket Durometer Rating:** 65 (Shore A)

### Environmental

**Temperature Rating:** -65°C to +260°C  
**Moisture Rating:** Submersible, Salt Water Resistant  
**Clean Room Rating:** Class 1, Zero Particulates  
**Extreme Environments:** Sunlight, UV Light, Alcohol, Chemical and Oil Resistant

### Electrical

**Outer Jacket Dielectric Strength:** 450 volts/mil (17.7 kv/mm)

See Electrical Rating Chart on Page 47

## Options

## Page

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