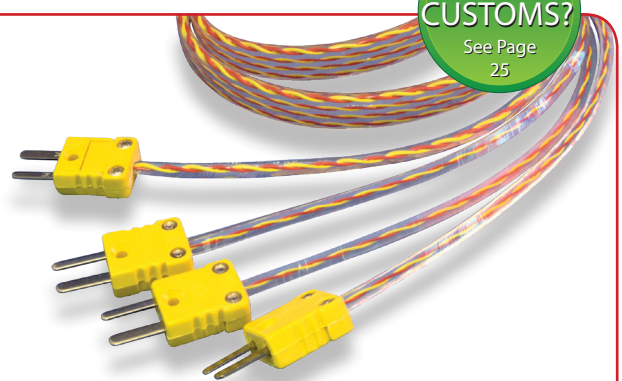


# Thermocouple Cable

**NEED CUSTOMS?**  
See Page 25

- 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.

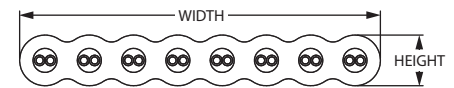


**Applications**  
Temperature Sensing, Heating & Air Conditioning, Cooking Equipment

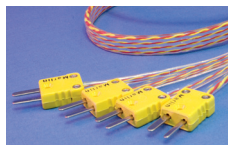
## Cable

Type	Conductor Gauge	No. of Conductors	Dimensions [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



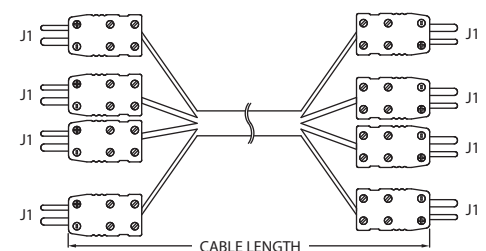
Please contact Cicoil for other connectors and length options.

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

## Cable Specifications

All engineering values are nominal and subject to change.

Mechanical	Environmental
<b>Conductors:</b> - Type J: Ultra Flexible Iron and Constantan - Type K: Ultra Flexible Chromel and Alumel <b>Minimum Bend Radius:</b> - 6x cable height for intermediate flex - 10x cable height for continuous flex <b>Outer Jacket Durometer Rating:</b> 65 (Shore A)	<b>Temperature Rating:</b> -65°C to +260°C <b>Moisture Rating:</b> Submersible, Salt Water Resistant <b>Clean Room Rating:</b> Class 1, Zero Particulates <b>Extreme Environments:</b> Sunlight, UV Light, Alcohol, Chemical and Oil Resistant
	Electrical
	<b>Outer Jacket Dielectric Strength:</b> 450 volts/mil (17.7 kv/mm) See Electrical Rating Chart on Page 47

## Options

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Unshielded