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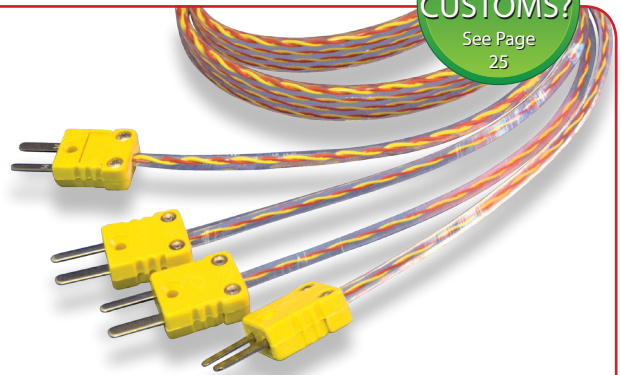
UL MEETS 94V-0   CSA   CE   RoHS COMPLIANT   REACH COMPLIANT   FAA FLAME TESTED

Applications
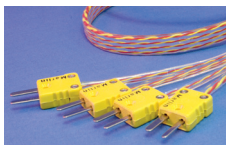Temperature Sensing, Heating & Air Conditioning, Cooking Equipment

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

WIDTH — HEIGHT
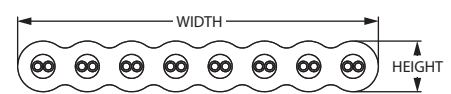
Cable Assemblies

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

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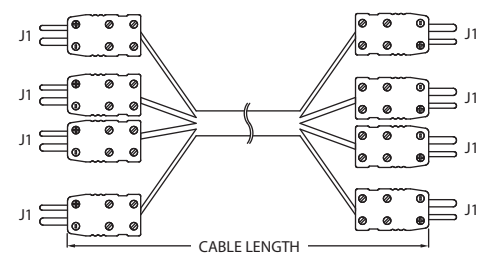
Connectors
- Type J Signal (J1): Omega, P/N SMPW-CC-J-M
- Type K Signal (J1): Omega, P/N SMPW-CC-K-M

Cable Specifications

All engineering values are nominal and subject to change.

Mechanical

Conductors:
- Type J: Ultra Flexible Iron and Constantan
- Type K: Ultra Flexible Chromel and Alumel

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

Unshielded