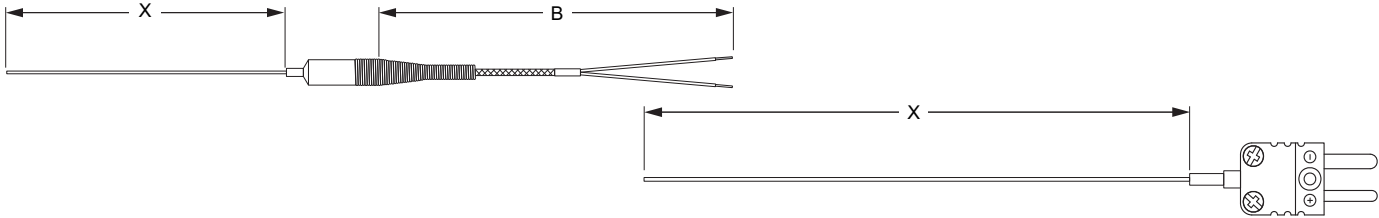


Miniature thermocouple assemblies have very small swaged sheath diameters containing containing standard purity MgO (96%) insulated thermocouple elements. The small sheath size provides accurate and fast response time temperature measurement in a variety of laboratory, process, and special applications. These units are only offered with ungrounded junctions to prolong their useful life. Illustrated below are the most commonly used assemblies, however, other sensor configurations are available upon request.



ORDER CODES

Example Order Number: 1-1 1-2 1-3 1-4 - 2 - 3 - 4 - 5

J **040** **8** **U** - **012** - **00** - **16** - PAGE MGO-7 - PAGE MGO-7

1-1 Thermocouple Types

CODE
J
K

1-2 Sheath Diameter

CODE	DIAMETER (INCHES)
032	0.032
040	0.040

1-3 Sheath Material

CODE	MATERIAL
3	Inconel 600
8	316 Stainless steel

1-4 Measuring Junction

CODE	MATERIAL
U	Ungrounded junction
M	Special limits (consult factory)

2 'X' Dimension

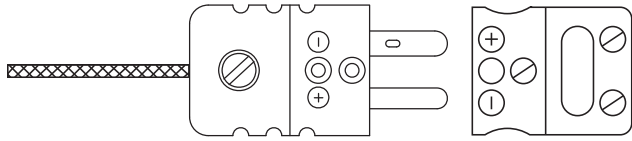
Insert three digit sheath length (X Dimension) in inches

3 Sheath Terminations

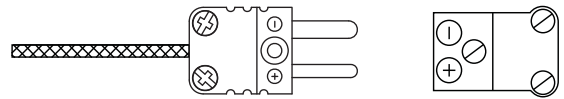
CODE	DESCRIPTION
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack
Options	
MC	Mating Connector
Leadwire Transitions	
15	Extension leadwire transition fitting with relief spring 204 °C [400 °F]
16	Extension leadwire transition fitting with heat shrink 204 °C [400 °F]
19	Extension leadwire transition fgt. w/o relief spring or heat shrink 204 °C [400 °F]
Options	
HT ⁽¹⁾	High Temperature Potting 538 °C [1000 °F]

Select desired extension leadwire type (in inches) and leadwire termination and options (if desired) by order code number from the tables below.

OPTIONS 4 OR 4,MC



OPTIONS 6 OR 6,MC,CC



OPTION 3



OPTION 8



ORDER CODES

Example Order Number: J0408UM - 012 - 00 - 16 - **F1048** - **6**

4 Extension Leadwire

	CODE	DESCRIPTION	AVAILABLE CALIBRATIONS		TEMP RATING
			J	K	
Fiberglass	F1	Fiberglass insulation - solid conductor	J	K	482 °C [900 °F]
	F1A	Fiberglass insulation - solid conductor - flexible armor	J	K	482 °C [900 °F]
	F1B	Fiberglass insulation - solid conductor - stainless steel overbraid	J	K	482 °C [900 °F]
	F3	Fiberglass insulation - stranded conductor	J	K	482 °C [900 °F]
	F3B	Fiberglass insulation - stranded conductor - stainless steel overbraid	J	K	482 °C [900 °F]
Teflon®	T1	Teflon® insulation - solid conductor	J	K	204 °C [400 °F]
	T1A	Teflon® insulation - solid conductor - flexible armor	J	K	204 °C [400 °F]
	T3	Teflon® insulation - stranded conductor	J	K	204 °C [400 °F]
PVC	P5	PVC insulation - solid conductor	J	K	105 °C [221 °F]

Insert wire code number and 3 digit "B" length code.
Example: F1036 = 36" B Length

5 Terminations

CODE	DESCRIPTION
0	Leads not stripped
2	2" split leads, 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack

Options

MC	Mating connector
CC	Plug or jack secured to leads with cable clamp