

Miniature thermocouple assemblies have very small swaged sheath diameters 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	Alloy 600
8	316 Stainless steel

1-4 Measuring Junction

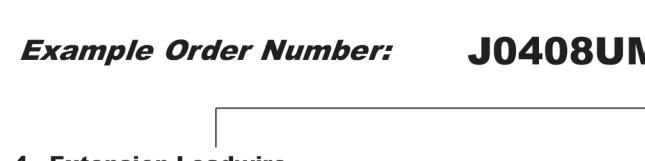
CODE	MATERIAL
U	Ungrounded junction
M	Special limits (consult factory)

2 "X" Dimension

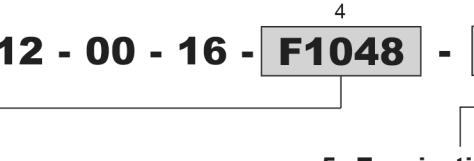
Insert three digit sheath length ("X" Dimension) in inches

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

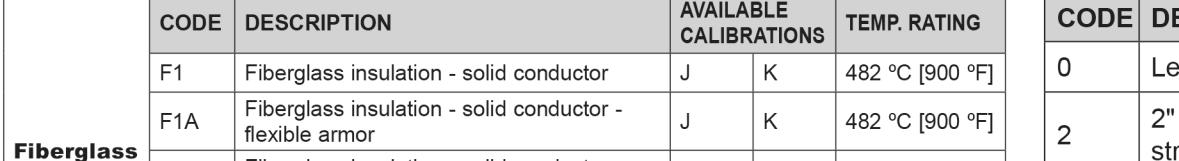
OPTIONS 4 OR 4,MC



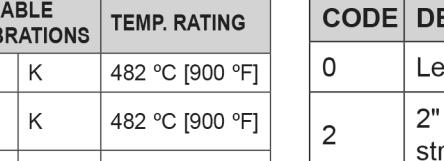
OPTIONS 6 OR 6,MC



OPTION 3



OPTION 2



ORDER CODES

Example Order Number:

J0408UM - 012 - 00 - 16 - F1048 - 6

4 5

4 Extension Leadwire

Fiberglass	CODE	DESCRIPTION	AVAILABLE CALIBRATIONS		TEMP. RATING
			J	K	
F1	F1	Fiberglass insulation - solid conductor	J	K	482 °C [900 °F]
F1	F1A	Fiberglass insulation - solid conductor - flexible armor	J	K	482 °C [900 °F]
F1	F1B	Fiberglass insulation - solid conductor - stainless steel overbraid	J	K	482 °C [900 °F]
F3	F3	Fiberglass insulation - stranded conductor	J	K	482 °C [900 °F]
F3	F3B	Fiberglass insulation - stranded conductor - stainless steel overbraid	J	K	482 °C [900 °F]

Fluoropolymer	CODE	DESCRIPTION	AVAILABLE CALIBRATIONS		TEMP. RATING
			J	K	
T1	T1	Fluoropolymer insulation - solid conductor	J	K	204 °C [400 °F]
T1	T1A	Fluoropolymer insulation - solid conductor - flexible armor	J	K	204 °C [400 °F]
T3	T3	Fluoropolymer 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