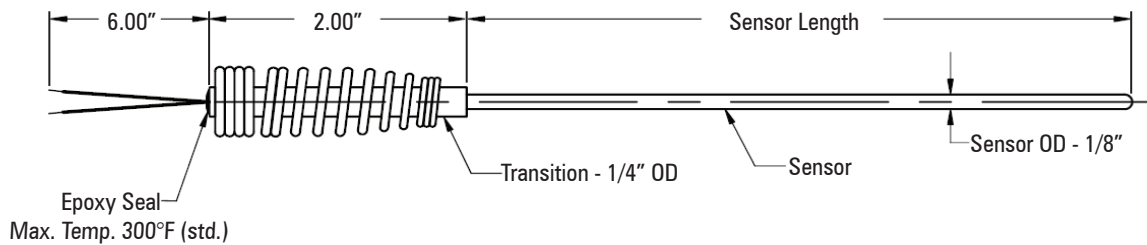
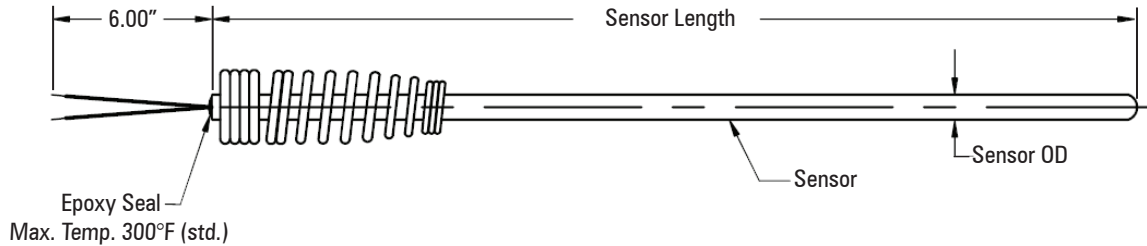


M.I. Cable Thermocouple Elements

All industrial thermocouples are manufactured using a high purity mineral oxide insulation and a metallic sheath. The standard sheath material unless otherwise noted is 316 SS. The ODs found in this section are those that are typically used when an element is housed in a well or protection tube. Each industrial thermocouple is supplied with a heavy duty spring.

Wire Gauge: 20 Gauge solid teflon insulated



To Order: For elements used in wells or protection tubes, indicate the code letter or value for each specification criteria below.

Example: A replacement thermocouple with these specifications: Iron/Constantan®, .250" OD, grounded measuring junction, with a 316SS sheath, and 12" long would have the order code: J-14-G-R-12

Calibration ¹	OD	Junction	Sheath	Length ²
J = Iron Constantan®	18 = 1/8"	G = Grounded	P - 304SS	(Inches)
K = Chromel® Alumel®	316 = 3/16"	U = Ungrounded	R - 316SS	
T = Copper Constantan®	14 = 1/4"	E = Exposed	Q - 310SS	
E = Chromel® Constantan®	516 = 5/16"	DG = Dual Grounded	A - Alloy 600	
N = Nicrosil® Nisil®	38 = 3/8"	DU = Dual Ungrounded		
		DE = Dual Exposed		

Notes:

- For Special Limits repeat calibration code i.e. JJ.
- Length determined by assembly when used in a well. For replacement thermocouples use the following formula:
 $U \text{ Length of well} + T \text{ Length} + A \text{ Length} + 0.50" = \text{Sensor Length}$ (See pages A-8 – A-23 for description of U, T & A lengths.)
- Other Sheath Materials available - consult factory.
- 1/8" OD thermocouple comes with a 1/4" OD 2" long stainless steel transition. (See drawing above.)