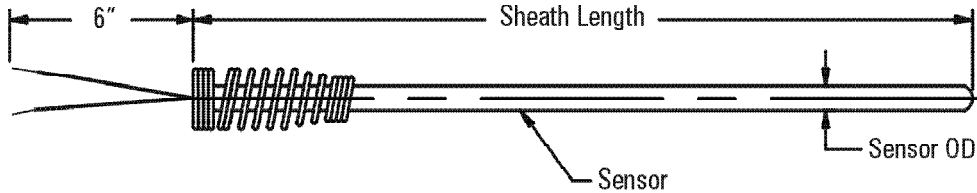


M.I. Cable Thermocouple Elements

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. If other ODs are required, refer to Type 1100 on page A-26. Each industrial thermocouple is supplied with a heavy duty spring.



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: J14GR12

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

Notes:

1. For Special Limits repeat calibration code i.e. JJ.
2. Length determined by assembly when used in a well. For replacement thermocouples use the following formula:
U Length of well + T Length + A Length + 1"= Sensor Length. (See pages A-8 – A-23 for description of U, T & A lengths.)
3. Other Sheath Materials available - consult factory.
4. Use S prefix in front of calibration code to designate Smart Stuff option. See page A-36.