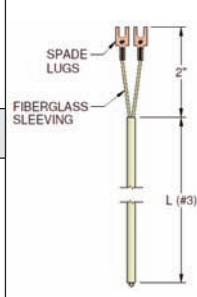
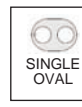

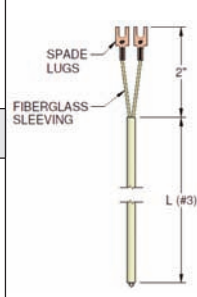
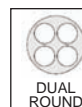




# BEADED THERMOCOUPLES

#1	DESCRIPTION					
1B	Beaded Thermocouple					
	#2	JUNCTION				
	B	Welded bead only				
	T	Twisted and welded bead				
		Base metal 8-14 AWG is bent to fit JMS terminal block 6G with 3" leads. (see section 6 for additional terminations)				
	#3	INSULATOR TYPE AND LENGTH (L)				
	A _"	1 inch - Round				
	D _"	3 inch - Round				
	F _"	One piece construction - Round				
	G _"	1 inch - Oval				
	H _"	3 inch - Oval				
	X _"	Other, specify in description				
		Base metal 15-30 AWG leads are straight				
	#4	COLD END INSULATION				
	1	Fiberglass sleeve (Standard)				
	2	Heat shrink				
	3	Mullite fish spine beads				
	Z	Bare ends				
	X	Other, specify				
	#5	INSULATOR MATERIAL				
	A	Alumina (Standard for noble metals)				
	M	Mullite (Standard for base metals)				
	#6	WIRE GAUGE	O.D. OF 1" OR 3" OVAL INSULATORS	O.D. OF 1" OR 3" ROUND INSULATORS	O.D. OF 1 PIECE ROUND INSULATORS	
	SINGLE ELEMENT					
	08	8 (Standard oval)	5/16" x 7/16"	7/16"	7/16"	NOBLE METAL 
	14	14 (Standard oval)	3/16" x 1/4"	1/4"	1/4"	
	20	20		3/16"	3/16"	
	24	24		3/16"	3/16"	
	26	26		3/16"	3/16"	
	30	30		1/8"	1/8"	
	X	Other, specify				
	DUAL ELEMENT					
	D08	8		1/2"	1/2"	
	D14	14		1/4"	1/4"	
	D20	20		3/16"	3/16"	
	D24	24	(Oval not available in dual element)	3/16"	3/16"	
	D26	26		3/16"	3/16"	
	D30	30		1/8"	1/8"	
	DX	Other, specify				
	#7	TYPE	J, K, N, T, E, R, S, B, C, L, A, X (Other, specify)			
	#8	LEAD LENGTH IN INCHES	Specify length of TC leads in inches. (See drawings) <b>Note:</b> Standard length is 2" for noble metal, 3" base metal			
	#9	OPTIONS USE ONLY IF APPLICABLE [INTRODUCTION]				
	1*	Stainless steel tag	* Always specify info. required on tag/to be etched.			
	2*	Plastic tag				
	3*	Paper tag				
	4*	Laser etch on probe				
	5	Calibrate at specified point(s). Corrections data provided for each point.				
	5L**	Standard Lot Calibration (AMS 2750D & E)				
	6***	Premium calibration report. Corrections data will be provided for temperatures within the range.				
	6L**	Premium Lot Calibration (AMS 2750D & E)				
	7	CE Marking [Page XV]				
	8	Guide 17025 calibration				
	9	Bar Code				
		** AMS 2750D and 2750E compliant, see pg 1-2, #14 for reference				
		*** Must specify increments & range. (Ex. 0 to 300°F, 10° increments.)				
			 			
			DUAL COMMON JUNCTION (CD, Option #6)      DUAL ISOLATED JUNCTION (D, Option #6)			
			1B    B    F(6)    1    A    24    R    2"    3			

Oval Insulators will be used for any bent beaded thermocouple.

Insulator Tolerances  $\varnothing$ :  $\pm 6\%$  or  $.005"$  whichever is greater. Length:  $\pm .063"$ .

Noble metal thermocouples are normally 24 gauge wires. To specify ceramic or metal protection tubes for beaded thermocouple assemblies, see the "Thermowells, Protection Tubes and Coatings" pages in Section 5 of this catalog.