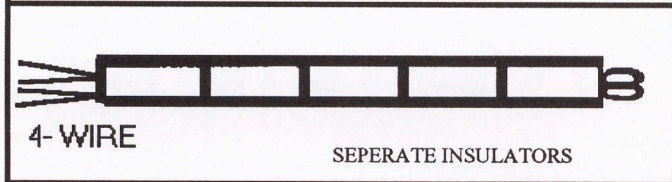
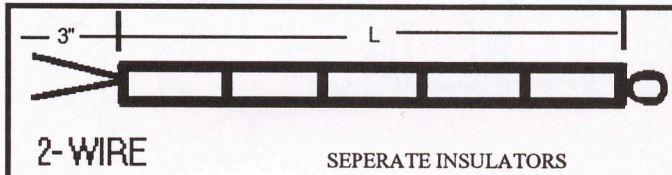


# REPLACEMENT ELEMENTS - "CERAMIC INSULATED" THERMOCOUPLES

THIS PAGE DETAILS REPLACEMENT ELEMENTS FOR THE THERMOCOUPLE ASSEMBLIES REQUIRING CERAMIC INSULATED ELEMENTS. MTI MANUFACTURES ALL THESE ELEMENTS TO RIGID SPECIFICATIONS TO INSURE HIGH ACCURACY AND REPRODUCIBILITY.

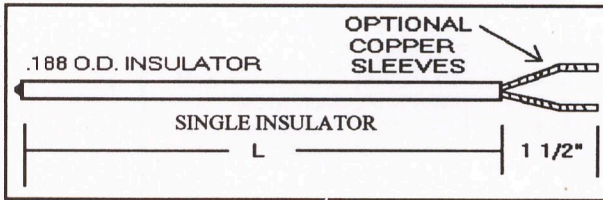


**HOW TO ORDER:**  
 SELECT THE CALIBRATION, GAUGE AND ELEMENT (SINGLE OR DUAL) DESIRED. SPECIFY THE CORRESPONDING PART NUMBER REPLACING THE (L) WITH REQUIRED LENGTH IN INCHES.  
 EXAMPLE: S8J24

## INSULATOR DIMENSIONS

- 8 AWG SINGLE - .500" X .284" OVAL
- 8 AWG DUAL - .500" ROUND
- 14 AWG SINGLE & DUAL - .250" ROUND
- 20 AWG SINGLE - .172" X .118" OVAL
- 20 AWG DUAL - .188" ROUND

ANSI CALIBRATION	GAUGE (AWG)	PARTNUMBER	
		SINGLE	DUAL
<b>TYPE J</b>	8 14 20	S8J(L) S14J(L) S20J(L)	D8J(L) D14J(L) D20J(L)
<b>TYPE K</b>	8 14 20	S8K(L) S14K(L) S20K(L)	D8K(L) D14K(L) D20K(L)
<b>TYPE E</b>	8 14 20	S8E(L) S14E(L) S20E(L)	D8E(L) D14E(L) D20E(L)
<b>TYPE T</b>	14 20	S14T(L) S20T(L)	D14T(L) D20T(L)



INSULATORS ARE "NOTCHED END" TO PROTECT THE HOT JUNCTION

### Notes:

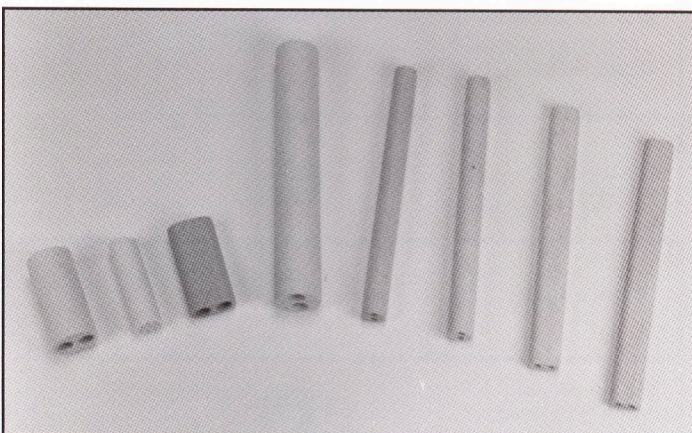
- A) STANDARD ELEMENTS HAVE 3" LEADS WHICH ARE PVC COATED TO THE ISA CALIBRATION COLORS.
- B) TO ORDER BARE ELEMENTS(NO INSULATORS),REPLACE S OR D WITH LETTER B. ie B8J(12")
- C) STANDARD BASE METAL INSULATORS ARE MULLITE. NOBLE METAL INSULATORS ARE ALUMINA

### SINGLE THERMOCOUPLE - NOBLE METAL DUAL THERMOCOUPLE (AVAILABLE)

ANSI CALIBRATION	GAUGE (AWG)	PARTNUMBER	
		SINGLE	DUAL
<b>TYPE R</b> PLATINUM/ PLATINUM 13% RHODIUM	<b>24 (.020") WITH .188" O.D. INSULATOR</b>	SR24R(L)	DR24RR(L)
<b>TYPE S</b> PLATINUM/ PLATINUM 10% RHODIUM		SR24S(L)	DR24SS(L)
<b>TYPE B</b> PLATINUM/ PLATINUM-30%/ RHODIUM		SR24B(L)	DR24BB(L)
<b>PLATINEL II</b>		SR24P(L)	DR24PP(L)

\* 20 AWG AVAILABLE UPON REQUEST. CONSULT FACTORY. CALIBRATION SERVICES AVAILABLE.

**HOW TO ORDER:**  
 SELECT THE CALIBRATION DESIRED AND SPECIFY THE CORRESPONDING PART NUMBER REPLACING THE (L) WITH THE REQUIRED LENGTH IN INCHES.



## MTI - INDUSTRIAL TEMPERATURE SENSORS