

**MAXIMUM TEMPERATURE RANGE**

**Thermocouple Grade**

- 328 to 1652°F  
- 200 to 900°C

**Extension Grade**

32 to 392°F  
0 to 200°C

**LIMITS OF ERROR**

(whichever is greater)

**Standard:** 1.7°C or 0.5% Above 0°C

1.7°C or 1.0% Below 0°C

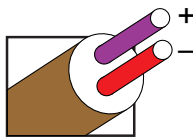
**Special:** 1.0°C or 0.4%

**COMMENTS, BARE WIRE ENVIRONMENT:**

Oxidizing or Inert; Limited Use in Vacuum or Reducing; Highest EMF Change per Degree

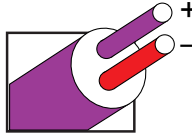
**TEMPERATURE IN DEGREES °C**

**REFERENCE JUNCTION AT 0°C**



**Thermocouple Grade**

**Nickel-Chromium vs. Copper-Nickel**



**Extension Grade**

**Revised Thermocouple Reference Tables**

**TYPE**

**Reference Tables N.I.S.T. Monograph 175 Revised to ITS-90**

**E**

**Thermoelectric Voltage in Millivolts**

Table with columns for temperature in °C and °F, and rows for different thermocouple types and grades. The table provides thermoelectric voltage values in millivolts for various temperatures.