

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

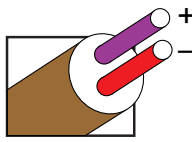
Special: 1.0°C or 0.4%

COMMENTS, BARE WIRE ENVIRONMENT:

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

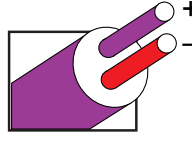
TEMPERATURE IN DEGREES °C

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

Z

Thermoelectric Voltage in Millivolts

Table with columns for temperature in °C (from -260 to 950) and rows for thermoelectric voltage in millivolts. Includes sub-headers for Celsius and Fahrenheit scales.



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