

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



Nickel-Chromium vs. Copper-Nickel



Revised Thermocouple Reference Tables

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

Thermoelectric Voltage in Millivolts

Table of Thermoelectric Voltage in Millivolts for Type E thermocouples. Columns represent temperature in °C (from -260 to 900) and rows represent the corresponding voltage in millivolts.