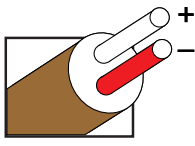


Revised Thermocouple Reference Tables

TYPE J

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



Thermocouple Grade

MAXIMUM TEMPERATURE RANGE

Thermocouple Grade 32 to 1382°F

0 to 750°C

Extension Grade 32 to 392°F

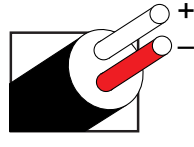
0 to 200°C

LIMITS OF ERROR (whichever is greater)

Standard: 2.2°C or 0.75%

Special: 1.1°C or 0.4%

Iron vs. Copper-Nickel



Extension Grade

COMMENTS, BARE WIRE ENVIRONMENT: Reducing, Vacuum, Inert; Limited Use in Oxidizing at High Temperatures;

Not Recommended for Low Temperatures

TEMPERATURE IN DEGREES °C

REFERENCE JUNCTION AT 0°C

Thermoelectric Voltage in Millivolts

Table of thermoelectric voltage in millivolts for Type J thermocouples. Columns represent temperatures in °C, ranging from -200 to 500. The table is divided into sections for extension and thermocouple grades.

Table of thermoelectric voltage in millivolts for Type J thermocouples. Columns represent temperatures in °C, ranging from 0 to 10. The table is divided into sections for extension and thermocouple grades.