

### Thermocouple Wire Color Code & Specifications (United States, Canada & Mexico)



ANSI Code	Color Code	Positive (+) Lead	Negative (-) Lead	Temperature Range	Initial Calibration Tolerances	
					Standard °C (whichever is greater)	Special °C (whichever is greater)
<b>J</b>		Iron	Constantan (45% Nickel, 55% Copper)	32-1382°F (0-750°C)	±2.2°C or ±0.75%	±1.1°C or ±0.4%
<b>K</b>		Chromel® (90% Nickel, 10% Chromium)	Alumel (95% Nickel, 2% Aluminum, 2% Manganese, 1% Silicon)	32-2282°F (0-1250°C)	±2.2°C or ±0.75%	±1.1°C or ±0.4%
<b>E</b>		Chromel® (90% Nickel, 10% Chromium)	Constantan (45% Nickel, 55% Copper)	32-1652°F (0-900°C)	±1.7°C or ±0.5%	±1.0°C or ±0.4%
<b>T</b>		Copper	Constantan (45% Nickel, 55% Copper)	32-662°F (0-350°C)	±1°C or ±0.75%	±.5°C or ±0.4%
<b>N</b>		Nicrosil (84.6% Nickel, 14% Chromium, 1.4% Silicon)	Nisil (95.6% Nickel, 4.4 % Silicon)	32-2282°F (0-1250°C)	±2.2°C or ±0.75%	±1.1°C or ±0.4%