



THERMOCOUPLE TYPES TEMPERATURE RANGES & COLORS

Thermocouple Type	Names of Materials	Useful Application Range
B	Platinum30% Rhodium (+)	2500 -3100F
	Platinum 6% Rhodium (-)	1370-1700C
C	W5Re Tungsten 5% Rhenium (+)	3000-4200F
	W26Re Tungsten 26% Rhenium (-)	1650-2315C
E	Chromel (+)	200-1650F
	Constantan (-)	95-900C
J	Iron (+)	200-1400F
	Constantan (-)	95-760C
K	Chromel (+)	200-2300F
	Alumel (-)	95-1260C
N	Nicrosil (+)	1200-2300F
	Nisil (-)	650-1260C
R	Platinum 13% Rhodium (+)	1600-2640F
	Platinum (-)	870-1450C
S	Platinum 10% Rhodium (+)	1800-2640F
	Platinum (-)	980-1450C
T	Copper (+)	-330-660F
	Constantan (-)	-200-350C

Thermocouple Color Codes:

United States ASTM:

