

THERMOCOUPLE WIRE COLOR CODE PER ANSI (AMERICAN NATIONAL STANDARD INSTITUTE)

ANSI TYPE	POSITIVE WIRE COLOR	POSITIVE WIRE TYPE	NEGATIVE WIRE COLOR	NEGATIVE WIRE TYPE	OVERALL JKT COLOR
E	PURPLE	CHROMEL	RED	CONSTANTAN	BROWN
J	WHITE	IRON	RED	CONSTANTAN	BROWN
K	YELLOW	CHROMEL	RED	ALUMEL	BROWN
N	ORANGE	NICROSIL	RED	NISIL	BROWN
T	COPPER	BLUE	RED	CONSTANTAN	BROWN
EX	PURPLE	CHROMEL	RED	CONSTANTAN	PURPLE
JX	WHITE	IRON	RED	CONSTANTAN	BLACK
KX	YELLOW	CHROMEL	RED	CONSTANTAN	YELLOW
NX	ORANGE	NICROSIL	RED	NISIL	ORANGE
RX	BLACK	COPPER	RED	CU ALLOY #11	GREEN
SX	BLACK	COPPER	RED	CU ALLOY #11	GREEN
TX	BLUE	COPPER	RED	CONSTANTAN	BLUE

ANSI types designated without an "X" are thermocouple grade.

ANSI types designated with an "X" are thermocouple extension grade.