

International Thermocouple and Extension Wire Color Codes

Thermocouple Type	Country	USA		United Kingdom	Germany	Japan	France
	National Standard	ANSI MC96.1	ANSI MC96.1	BS 1843	DIN 43714	JIS C1610-	NF C42-323
J Overall	T/C		Extension				1981
	J Positive	Brown	Black	Black	Blue	Yellow	Black
	J Negative	+ White	+ White	+ Yellow	+ Red	+ Red	+ Yellow
K Overall	K Positive	- Red	- Red	- Blue	- Blue	- White	- Black
	K Overall	Brown	Yellow	Red	Green	Blue	Yellow
	K Negative	+ Yellow	+ Yellow	+ Brown	+ Red	+ Red	+ Yellow
E Overall	E Positive	- Red	- Red	- Blue	- Green	- White	- Purple
	E Overall	Brown	Purple	Brown	Black	Purple	
	E Negative	+ Purple	+ Purple	+ Brown	+ Red	+ Red	---
T Overall	T Positive	- Red	- Red	- Blue	- Black	- White	
	T Overall	Brown	Blue	Blue	Brown	Brown	Blue
	T Negative	+ Blue	+ Blue	+ White	+ Red	+ Red	+ Yellow
R Overall	R Positive	- Red	- Red	- Blue	- Brown	- White	- Green
	R Overall		Green	Green		Black	
	R Negative	---	+ Black	+ White	---	+ Red	---
S Overall	S Positive	- Red	- Red	- Blue	- White	- White	- Green
	S Overall		Green	Green	White	Black	Green
	S Negative	---	+ Black	+ White	+ Red	+ Red	+ Yellow
B Overall	B Positive	- Red	- Red	- Blue	- White	- White	- Green
	B Overall		Grey		Grey	Grey	
	B Negative	---	+ Grey	---	+ Red	+ Red	---
N Overall	N Positive	- Red	- Red	- Blue	- Grey	- White	
	N Overall	Brown	Brown				
	N Negative	+ Orange	+ Orange	---	---	---	---