



# Extension Wire

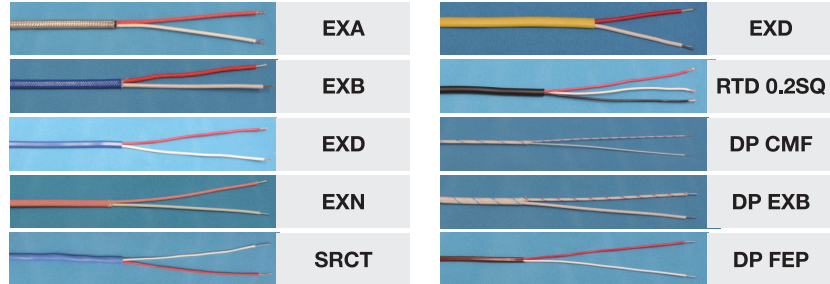
## International Thermocouple Color Codes - Thermocouple and Extension Grade Wires

THERMO-COUPLE TYPE	<b>U.S. &amp; CANADIAN</b> (ANSI / MC96.1, ANSI / ASTM E230)		PLUG & JACK	International	International	Czech British	Netherlands German	Japanese	French	
	ALLOY COMBINATION	THERMOCOUPLE GRADE		EXTENSION GRADE	IE C 584-3	IE C 584-3 Intrinsically safe	BS 1843	DIN 43710	JIS C 1610	NFC 42-32 4
<b>T</b>	Copper	Brown Blue + Red -	Blue Blue + Red -	Blue ●	Brown Brown + White -	Blue Brown + White -	Blue White + Blue -	Brown Red + Brown -	Brown Red + White -	Blue Yellow + Blue -
	Constantan (Copper-Nickel)									
<b>J</b>	Iron (magnetic)	Brown Blue + Red -	Black Black + Red -	Black ●	Black Black + White -	Blue Black + White -	Black Yellow + Blue -	Blue Red + Blue -	Yellow Red + White -	Black Yellow + Black -
	Constantan (Copper-Nickel)									
<b>E</b>	Nicket - Chromium	Brown Blue + Red -	Purple Purple + Red -	Purple ●	Purple Purple + White -	Blue Purple + White -	Brown Brown + Blue -	Black Red + Black -	Purple Red + White -	Purple Yellow + Purple -
	Constantan (Copper-Nickel)									
<b>K</b>	Nicket - Chromium	Brown Blue + Red -	Yellow Yellow + Red -	Yellow ●	Green Green + White -	Blue Green + White -	Red Brown + Blue -	Green Red + Green -	Blue Red + White -	Yellow Yellow + Purple -
	Nickel - Aluminium (magnetic)									
<b>N</b>	Nicrosil	Brown Blue + Red -	Orange Orange + Red -	Orange ●	Pink Pink + White -	Blue Pink + White -	Orange Orange + Blue -	No Standard (Use American Color Codes)	No Standard (Use American Color Codes)	No Standard (Use American Color Codes)
	Nisil (Nickel-Silicon-Magnesium)									
<b>S</b>	Platinum Rhodium - 10%	None Established	Black Green + Red -	Green ●	Orange Orange + White -	Blue Orange + White -	Green White + Blue -	White Red + White -	Black Red + White -	Green Yellow + Green -
	Platinum									
<b>R</b>	Platinum Rhodium - 13%	None Established	Black Green + Red -	Green ●	Orange Orange + White -	Blue Orange + White -	Green White + Blue -	White Red + White -	Black Red + White -	Green Yellow + Green -
	Platinum									
<b>B</b>	Platinum Rhodium - 30%	None Established	Gray Gray + Red -	White (Uncompensated) ○	Gray Gray + White -		No Standard (Use Copper Wire)	Gray Red + Gray -	Gray Red + Gray -	No Standard (Use Copper Wire)
	Platinum Rhodium - 6%									
<b>C</b>	Tungsten Rhodium - 5%	None Established	Green Red + Red -	Red ●				No Standard (Use American Color Codes)	No Standard (Use American Color Codes)	No Standard (Use American Color Codes)
	Tungsten Rhodium - 26%									



## Extension Wire

### DP COATING THERMOCOUPLE & LEAD WIRE



Type	Code	Exterior Material	Core Line (Line / mm.)	O.D. (mm.)	Length (M.)
B, S, R, K, J, N, T, E	EXA	Glasswool mesh SUS sealed	7/ 0.3 X 2	2.9 X 4.6	100
	EXB	Glasswool mesh		2.3 X 4.0	
	EXC	Teflon FEP		4.1 X 6.2	
	EXD	Vynil		3.5 X 5.6	
	EXE	Silicon	20/ 0.3 X 2	4.8	

Coating	Type	O.D. (mm.)	Temperature (°C)
Vinyl VKF	K	0.1	0 - 90
	T	0.2	
	J	0.32	
	E	0.65	
Glass EXB	K	0.1	0 - 250
	T	0.2	
	J	0.32	
	E	0.65	
		1	
Ceramic CMF	K	0.65 1	1- 1000

Coating	Type	O.D. (mm.)	Temperature (°C)
Silica Glass NSBL	K	0.32	0 - 600
	T	0.65	
	J	1	
	E		
Teflon FEP	K	0.1	0 - 200
	T	0.2	
	J	0.32	
	E	0.65	

### RTD COMPENSATING WIRE

Image Sample	Description				
	Type	Size	Covering	Max. Temp	Code
	3 Wire	24 Awg	Silicone	250°C	
	6 Wire	24 Awg	Silicone	250°C	
	3 Wire	24 Awg	PVC Black	105°C	
	6 Wire	24 Awg	PVC Black	105°C	
	3 Wire	28 Awg 24 Awg 20 Awg	Teflon	250°C	
	4 Wire	24 Awg	Teflon	250°C	
	6 Wire	24 Awg	Teflon	250°C	
	3 Wire	24 Awg	Teflon/Shield	250°C	
	6 Wire	24 Awg	Teflon/Shield	250°C	
	3 Wire	24 Awg	Glass Fiber/Shield	350°C	
	6 Wire	24 Awg	Glass Fiber/Shield	350°C	



# RTD PT100

## RTD COMPENSATING WIRE



Image Sample	Description				
	Type	Size	Covering	Max. Temp	Code
	3 Wire	24 Awg	Silicone	250°C	
	6 Wire	24 Awg	Silicone	250°C	
	3 Wire	24 Awg	PVC Black	105°C	
	6 Wire	24 Awg	PVC Black	105°C	
	3 Wire	28 Awg	Teflon	250°C	
		24 Awg			
		20 Awg			
	4 Wire	24 Awg	Teflon	250°C	
	6 Wire	24 Awg	Teflon	250°C	
	3 Wire	24 Awg	Teflon / Shield	250°C	
	6 Wire	24 Awg	Teflon / Shield	250°C	
	3 Wire	24 Awg	Glass Fiber / Shield	350°C	
	6 Wire	24 Awg	Glass Fiber / Shield	350°C	