

THERMOCOUPLE / RTD CABLE





Thermocouple / RTD Wire is to connects the point of sensing to the point of cold junction compensation (CJC end) where the signal is measured. Thermocouple is a temperature sensor made up of two dissimilar metals that are joined together at the sensing end. Different metal mixtures in the wire are design for different thermocouple types (J, K, T, E, and so on). The insulation of the thermocouple wire can be identified according to the color coded.

Product Information:

■ Type: T, J, E, K, S, R, N

Material: Glass Fiber, PVC, Teflon, Ceramic Fiber



National and International Specification:

THERMO- COUPLE TYPE	U.S. & CANADIAN (ANSI/MC96.1, ANSI/ASTM E230)			*	International	International	Czech British	Netherlands German	Japanese	French
	ALLOY COMBINATION	THERMOCOUPLE GRADE	EXTENSION GRADE	PLUG & JACK	IEC 584-3	IEC 584-3 Intrinsically Safe	BS 1843	DIN 43710	JIS C 1610	NFC 42-324
Т	Copper Constantan (Copper-Nickel)	Brown Blue +	+ Blue Blue	Blue	Brown + White	Blue Brown + White	Blue White +	Brown +	Brown Red +	Blue Yellow +
J	Iron (magnetic) Constantan (Copper-Nickel)	Brown White +	+ White Black	Black •	Black + White	Blue Black + White	Black Yellow +	Blue Red +	Yellow Red +	Black Yellow +
E	Nickel - Chromium Constantan (Copper- Nickel)	Brown Purple +	+ Purple - Red Purple	Purple	Purple + White	Blue Purple +	Brown +	Black Red +	Purple Red +	Purple Yellow +
К	Nickel - Chromium Nickel - Aluminium (magnetic)	Brown + Red -	Yellow + Yellow - Red	Yellow	Green + White	Blue Green +	Red Brown +	Green Red +	Blue Red +	Yellow + Purple
N	Nicrosil (Nickel-Chromium- Silicon) Nisil (Nickel-Silicon-Magnesium)	Brown Orange +	Orange - Orange	Orange	Pink Pink +	Blue Pink + White	Orange Orange +	No Standard (Use American Color Codes)	No Standard (Use American Color Codes)	No Standard (Use American Color Codes)
S	Platinum Rhodium -10% Platinum	None Established	+ Black Green	Green	Orange Orange + White	Blue Orange + White	Green White +	White Red +	Black Red +	Green Yellow +
R	Platinum Rhodium -13% Platinum	None Established	+ Black Green	Green	Orange Orange + White	Blue Orange + White	Green White +	White Red +	Black Red +	Green Yellow +
В	Platinum Rhodium - 30% Platinum Rhodium - 6%	None Established	Gray - Red (Compensated Cable)	White (Uncom- pensated)	Gray + White		No Standard (Use Copper Wire)	Gray Red + Gray (Compensated Cable)	Gray Red + Gray (Compensated Cable)	No Standard (Use Copper Wire)
С	Tungsten Rhenium - 5% Tungsten Rhenium - 26%	None Established	- Red Red	Red				No Standard (Use American Color Codes)	No Standard (Use American Color Codes)	No Standard (Use American Color Codes)

National and International Specification:

Wire Code	Spec.	Description	Temp. Range	Sample
КХ-Н	0.6 x 2	Glass Fiber	0 ~ 200°C	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
КХ-Н	0.15 x 2 Glass Fiber		0 ~ 400°C	
КХ-Н	0.5 x 2	Glass Fiber	0 ~ 400°C	as
кх-н	0.8 x 2	Glass Fiber	0 ~ 400°C	
КСС-Н	KCC-H 4/0.3 x 2 Glass Fiber		0 ~ 200°C	as
КСС-Н	KCC-H 7/0.3 x 2 Glass Fiber		0 ~ 200°C	
КСС-Н	4/0.6 x 2	Glass Fiber	0 ~ 200°C	as
F0.6KXH-GAB	0.6 x 2	Glass Fiber SUS 304 Outside Insulation	0 ~ 200°C	
F0.6KXH -GSB-BLUE	0.6 x 2	Glass Fiber Copper Wire Outside Insulation	0 ~ 200°C	
F4/0.3KXH-GAB	4/0.3 x 2	Glass Fiber SUS 304 Outside Insulation	0 ~ 200°C	
F4/0.3x2KXH -GSB-BLUE	4/0.3 x 2	Glass Fiber SUS 304 Outside Insulation	0 ~ 200°C	Acceptance of the second
KCC-G	0.6 x 2	PVC	0 ~ 105°C	
KCC-G	4/0.6 x 2	PVC	0 ~ 105°C	as
KCC-G-IS	4/0.6 x 2	PVC SUS 304 Inside Insulation	0 ~ 105°C	
KCC-G	7/0.6 x 2	PVC	0 ~ 105°C	as
KCC-G-IS	7/0.6 x 2	PVC SUS 304 Inside Insulation	0 ~ 105°C	
KCC-G-SOS	CCC-G-SOS 7/0.6 x 2 PVC SUS 304 Outside Insulation		0 ~ 105°C	
KCC-G	KCC-G 4/0.3 x 3 PVC		0 ~ 105°C	
KCC-G 7/0.3 x 2 PVC		0 ~ 105°C	as	



National and International Specification:

Wire Code	Wire Code Spec.		Temp. Range	Sample	
KX-F-JIS	KX-F-JIS 0.3 x 2		0 ~ 200°C	ag	
KX-F-JIS	KX-F-JIS 0.6 x 2 Tet		0 ~ 200°C		
KX-F-IEC	KX-F-IEC 0.3 x 2 Teflon		0 ~ 200°C	ar	
KX-F-IEC 0.6 x 2		Teflon	0 ~ 200°C		
KX-F-ANSI 2*0.125		Teflon	0 ~ 200°C	as	
TX-F-ANSI	2*0.3	Teflon	0 ~ 200°C		
KX-CF	KX-CF 4/0.3 x 2		0 ~ 1000°C	as	
KX-KPT	7/0.2 x 2	KAPTON	0 ~ 400°C		
JX-H 0.6 x 2		Glass Fiber	0 ~ 200°C	as	
F0.6JXH-GSB	0.6 x 2	Glass Fiber Copper Wire Outside Insulation	0 ~ 200°C		
F0.6JXH-GAB	0.6 x 2	Glass Fiber SUS 304 Outside Insulation	0 ~ 200°C	as	
F4/0.3x2JXH-GAB	4/0.3 x 2	Glass Fiber SUS 304 Outside Insulation	0 ~ 200°C	Married Marrie	
JX-G	7/0.3 x 2	PVC	0 ~ 105°C	as	
JX-G	JX-G 4/0.6 x 2 PVC		0 ~ 105°C	The same of the sa	
JX-G-IS	4/0.6 x 2	PVC SUS 304 Inside Insulation	0 ~ 105°C	as	
JX-G	JX-G 7/0.6 x 2 PVC		0 ~ 105°C		
JX-G-IS	7/0.6 x 2	PVC SUS 304 Inside Insulation	0 ~ 105°C	as	
JX-F-JIS	0.3 x 2	Teflon	0 ~ 200°C		