

SUGGESTED WIRING MATERIAL FOR ELECTRIC HEATERS

Max Temp (F)	Voltages up to 600V Wire Type	Construction Materials
140	T	Thermoplastic over copper wire
	TW	Moisture resistant thermoplastic over copper wire
167	RHW	Moisture and Heat resistant rubber over copper wire
	THWN	Moisture and heat resistant thermoplastic over copper wire
194	RHH	Heat resistant rubber over copper wire
	THHN	Heat resistant thermoplastic over copper wire
392	FEP	Teflon over copper wire
	SRG	Silicone rubber and glass braid over copper wire
482	TGT	Teflon tape with teflon impregnated glass braid over nickel plated copper wire
	TGS	Teflon tape with silicone impregnated glass braid over nickel plated copper wire
842	MGT	Mica tape with teflon impregnated glass braid over nickel plated copper wire
	MGs	Mica tape with silicone impregnated glass braid over nickel plated copper wire
1100		Bare manganese nickel wire or bus bar with ceramic tube/bead insulation

THERMOCOUPLE POLARITY IDENTIFICATION COLORS

Thermocouple Type	Positive Lead Color*	Alloys
J	White	Iron (+) / Constantan (-)
K	Yellow	Chromel (+) / Alumel (-)
T	Blue	Copper (+) / Constantan (-)
E	Purple	Chromel (+) / Constantan (-)
R	Black	Platinum (+) / Platinum w/ 13% Rodium (-)
S	Black	Platinum (+) / Platinum w/ 10% Rodium (-)
N	Orange	Nicrosil (+) / Nisil (-)

* All negative (-) leads have red colored insulation