ACCURACY OF JMS THERMOCOUPLE WIRE

JMS insulated and bare thermocouple wire is matched to meet standard or special limits of error for temperatures above 32°F (0°C), as given in ANSI MC 96.1 and shown in tables below.

LIMITS OF ERROR FOR THERMOCOUPLE WIRE

THERMOCOUPLE TYPE		°F.				
WIRE ALLOY	ANSI TYPE SYMBOL	TEMPERATURE RANGE °F	STANDARD LIMITS	ORDER CODE	SPECIAL LIMITS	ORDER CODE
Iron (+) vs. Constantan (-)	J	+32° to +545° +545° to +1400°	±4° ±.75%	J	±2° ±.4%	JJ
Chromel™ (+) vs. Alumel ™ (-)	K	-330° to -165° -165° to +32° +32° to +545° +545° to +2300°	±2% ±4° ±4° ±.75%	K	 ±2° ±.4%	KK
Copper (+) vs. Constantan™ (-)	T	-330° to -85° -85° to +270° +270° to +660°	±1.5% ±1.8° ±.75%	T	±.8% ±.9° ±.4%	TT
Chromel™ (+) vs. Constantan™ (-)	E	-330° to -270° -270° to +480° +480° to +640° +640° to +1600°	±1% ±3° ±3° ±5%	E	±1.8° ±1.8° ±.4% ±.4%	EE
Nicrosil™ (+) vs. Nisil™ (-)	N	+32° to +545° +545° to +2300°	±4° ±.75%	N	±2° ±.4%	NN

THERMOCOUPLE TYPE		°C.				
WIRE ALLOY	ANSI TYPE SYMBOL	TEMPERATURE RANGE °C	STANDARD LIMITS	ORDER CODE	SPECIAL LIMITS	ORDER CODE
Iron (+) vs. Constantan (-)	J	0° to +285° +285° to +750	±2.2° ±.75%	J	±1.1° ±.4%	JJ
Chromel™ (+) vs. Alumel ™ (-)	K	-200° to -110° -110° to 0° 0° to +285° +285° to +1250	±2% ±2.2° ±2.2° ±.75%	K	 ±1.1° ±.4%	KK
Copper (+) vs. Constantan™ (-)	T	-200° to -65° -65° to +130° +130° to +350°	±1.5% ±1° ±.75%	T	±.8% ±.5° ±.4%	TT
Chromel™ (+) vs. Constantan™ (-)	E	-200° to -170° -170° to +250° +250° to +340° +340° to +900°	±1% ±1.7° ±1.7° ±5%	E	±1° ±1° ±.4% ±.4%	EE
Nicrosil™ (+) vs. Nisil™ (-)	N	0° to +285° +285° to +1250°	±2.2° ±.75%	N	±1.1° ±.4%	NN