Charlotte™ Wire & Cable Company Inc.
"Taking Care of Business"
toll free: 800-929-9473

THERMOCOUPLE WIRE
SINGLE PAIR 260DEGREES C PFA TEFLON SOLID CONDUCTOR, NONSHIELDED/SHIELDED

CONSTRUCTION:

CONDUCTOR SOLID OR STRANDED ALLOYS PER ANSI STANDARDS. (SEE TABLE BELOW).

INSULATION PFA TEFLON* COLOR CODED PER ANSI STANDARDS.

ASSEMBLY IN NONSHIELDED CONSTRUCTION, INSULATED CONDUCTORS ARE LAID PARALLEL; IN SHIELDED CONSTRUCTION, INSULATED CONDUCTORS ARE TWISTED TOGETHER WITH OVERALL ALUMINUM MYLAR TAPE AND TINNED COPPER DRAIN WIRE.

JACKET 260DEG C PFA TEFLON* COLOR CODED PER ANSI STANDARDS. RATED 260DEG C/500DEG F CONTINUOUS OR 288DEG C/550DEG F FOR SINGLE READING.

Charlotte Wire Part#	A.N.S.I. Type	Size AWG	Strand Type	Shielding Type	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW06121	J	24	Solid	Nonshielded	.06" x .09"	7
CW06122	J	20	Solid	Nonshielded	.09" x .14"	11
CW06123	J	20	Solid	Shielded	.14"	22
CW06124	K	24	Solid	Nonshielded	.06" x .09"	7
CW06125	K	20	Solid	Nonshielded	.09" x .14"	11
CW06126	K	20	Solid	Shielded	.14"	22
CW06127	E	24	Solid	Nonshielded	.06" x .09"	7
CW06128	E	20	Solid	Nonshielded	.09" x .14"	11
CW06129	E	20	Solid	Shielded	.14"	22
CW06130	T	24	Solid	Nonshielded	.06" x .09"	7
CW06131	T	20	Solid	Nonshielded	.09" x .14"	11
CW06132	T	20	Solid	Shielded	.14"	22

*Teflon is a registered trademark of Dupont.

APPLICATION:
Suitable for temperature measurement in power plants, petroleum plants, heat treating, food processing plants, and other industrial locations. PFA Teflon's abrasion resistance and smoothness allows for easy pulling. PFA Teflon also has excellent flame, oil, chemical, sunlight, and moisture resistance.

OPTIONAL CONSTRUCTIONS:
Special calibration tolerance.
Overall metallic coverings such as stainless steel overbraid.

THERMOCOUPLE IDENTIFICATION:

	Conductor Type		Color Coding			
A.N.S.I. Type	Positive Wire	Negative Wire	Positive Wire	Negative Wire	Overall Jacket	Limits of Error (Deg C or %)*
J	Iron	Constantan	White	Red	Brown	+/-2.2C or .75%
K	Chromel	Alumel	Yellow	Red	Brown	+/-2.2C or .75%
E	Chromel	Constantan	Purple	Red	Brown	+/-1.7C or .50%
T	Copper	Constantan	Blue	Red	Brown	+/-1.0C or .75%

*For limits of error, the greater temperature difference is to be used.