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

THERMOCOUPLE WIRE
SINGLE PAIR 482DEGREES C FIBER GLASS SOLID CONDUCTOR, NONSHIELDED

CONSTRUCTION:

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

INSULATION COLOR CODED FIBER GLASS BRAID SATURATED WITH HIGH PERFORMANCE RESIN.

ASSEMBLY INSULATED CONDUCTORS ARE LAID PARALLEL AND COVERED WITH JACKET.

JACKET FIBER GLASS COLOR CODED PER ANSI STANDARDS. RATED 482DEG C/900DEG F CONTINUOUS OR 538DEG C/1000DEG 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)
CW06141	J	24	Solid	Nonshielded	.05" x .08"	6
CW06142	J	20	Solid	Nonshielded	.06" x .10"	9
CW06149	J	18	Solid	Nonshielded	.08" x .13"	13
CW06151	J	16	Solid	Nonshielded	.10" x .17"	20
CW06143	K	24	Solid	Nonshielded	.05" x .08"	6
CW06144	K	20	Solid	Nonshielded	.06" x .10"	9
CW06150	K	18	Solid	Nonshielded	.08" x .13"	13
CW06153	K	16	Solid	Nonshielded	.10" x .17"	20
CW06145	E	24	Solid	Nonshielded	.05" x .08"	6
CW06146	E	20	Solid	Nonshielded	.06" x .10"	9
CW06152	N	20	Solid	Nonshielded	.06" x .10"	9
CW06147	T	24	Solid	Nonshielded	.05" x .08"	6
CW06148	T	20	Solid	Nonshielded	.06" x .10"	9

APPLICATION:
Suitable for temperature measurement in glass plants, brick plants, ceramic plants, foundries, metals plants, and heat treating. In addition to its high heat resistance, fiber glass thermocouple wire also has good moisture and chemical resistance.

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

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%
N	Nicrosil	Nisil	Orange	Red	Brown	+/-2.2C or .75%

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