

THERMOCOUPLE WIRE SINGLE PAIR 200DEGREES C FEP TEFLON SOLID OR STRANDED, SHIELDED OR NONSHIELDED

CONSTRUCTION:

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

INSULATION FEP 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 200DEG C FEP TEFLON* COLOR CODED PER ANSI STANDARDS. RATED 200DEG C/392DEG F CONTINUOUS OR 260DEG C/500DEG 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)
CW06101	J	20	Solid	Nonshielded	.07" x .12"	11
CW06102	J	20	7Stranded	Nonshielded	.08" x .13"	12
CW06103	J	20	Solid	Shielded	.14"	20
CW06104	K	20	Solid	Nonshielded	.07" x .12"	11
CW06105	K	20	7Stranded	Nonshielded	.08" x .13"	12
CW06106	K	20	Solid	Shielded	.14"	20
CW06107	E	20	Solid	Nonshielded	.07" x .12"	11
CW06108	E	20	7Stranded	Nonshielded	.08" x .13"	12
CW06109	E	20	Solid	Shielded	.14"	20
CW06110	T	20	Solid	Nonshielded	.07" x .12"	11
CW06111	T	20	7Stranded	Nonshielded	.08" x .13"	12
CW06112	T	20	Solid	Shielded	.14"	20

*Teflon is a registered trademark of Dupont.

APPLICATION:

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

OPTIONAL CONSTRUCTIONS:

Special calibration tolerance.
Other sizes including 24AWG.
Overall metallic coverings such as stainless steel overbraid.

THERMOCOUPLE IDENTIFICATION:

A.N.S.I. Type	Conductor Type		Color Coding		Overall Jacket	Limits of Error (Deg C or %)*
	Positive Wire	Negative Wire	Positive Wire	Negative Wire		
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.