

THERMOCOUPLE EXTENSION WIRE SINGLE PAIR SOLID OR STRANDED, SHIELDED PVC INS. AND JKT TYPE PLTC, 105DEGREES C, 300VOLTS

CONSTRUCTION:

CONDUCTOR SOLID OR 7STRANDED ALLOYS PER ANSI STANDARDS. (SEE TABLE BELOW).

INSULATION 15MILS POLYVINYL CHLORIDE (PVC) COLOR CODED PER ANSI STANDARDS.

ASSEMBLY INSULATED CONDUCTORS ARE TWISTED WITH OVERALL ALUMINUM/MYLAR TAPE AND TINNED COPPER DRAIN WIRE FOR 100% SHIELDING COVERAGE.

JACKET POLYVINYL CHLORIDE (PVC) COLORED PER ANSI STANDARDS. RATED FOR CONTINUOUS USE FROM -20DEG C(-29DEG F) TO +105DEG C(221DEG F). THICKNESS PER UL PLTC STANDARD.

Charlotte Wire Part#	A.N.S.I. Type	Size AWG	Strand Type	Insulation Thickness (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW06196	JX	20	Solid	.015"	.035"	.21"	27
CW06210	JX	20	7Stranded	.015"	.035"	.22"	30
CW06206	JX	18	Solid	.015"	.035"	.23"	35
CW06197	JX	16	Solid	.015"	.035"	.25"	39
CW06198	KX	20	Solid	.015"	.035"	.21"	27
CW06207	KX	18	Solid	.015"	.035"	.23"	35
CW06199	KX	16	Solid	.015"	.035"	.25"	39
CW06200	EX	20	Solid	.015"	.035"	.21"	27
CW06201	EX	16	Solid	.015"	.035"	.25"	39
CW06202	TX	20	Solid	.015"	.035"	.21"	27
CW06203	TX	16	Solid	.015"	.035"	.25"	39
CW06204	RSX	20	Solid	.015"	.035"	.21"	27
CW06205	RSX	16	Solid	.015"	.035"	.25"	39
CW06209	NX	20	Solid	.015"	.035"	.21"	27
CW06208	NX	16	Solid	.015"	.035"	.25"	39

APPLICATION:

Suitable for the relay of temperature measurement signals in petrochemical plants, power plants, and fiber plants. Per NEC Art.725, approved for installation in

- 1) cable trays indoors and outdoors,
- 2) raceways,
- 3) supported by a messenger wire,
- 4) hazardous locations per NEC Article 501 Class 1 Division 2, and
- 5) cable trays in hazardous locations per NEC Article 502 Class 2 Division 2.

STANDARDS:

UL Subject 13.
Passes UL and IEEE383 70,000BTU flame test.
NEC Article 725 Class 2 & 3.

OPTIONAL CONSTRUCTIONS:

Special calibration tolerance.

THERMOCOUPLE IDENTIFICATION:

A.N.S.I. Type	Conductor Type		Positive Wire	Color Coding		Limits of Error (Deg C)
	Positive Wire	Negative Wire		Negative Wire	Overall Jacket	
JX	Iron	Constantan	White	Red	Black	+/-2.2Deg C
KX	Chromel	Alumel	Yellow	Red	Yellow	+/-2.2Deg C
EX	Chromel	Constantan	Purple	Red	Purple	+/-1.7Deg C
TX	Copper	Constantan	Blue	Red	Blue	+/-1.0Deg C
RSX*	Copper	Cu Alloy #11	Black	Red	Green	+/-5.0Deg C
NX	Nicrosil	Nisil	Orange	Red	Orange	+/-2.2Deg C

*Types RX and SX utilize the same ANSI conductors alloys and color code.