

THERMOCOUPLE EXTENSION WIRE SINGLE PAIR 105DEGREES C PVC INSULATION AND JACKET SOLID OR STRANDED, SHIELDED

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).

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)
CW06181	JX	20	Solid	.015"	.020"	.17"	21
CW06182	JX	20	7Stranded	.015"	.020"	.18"	23
CW06183	JX	16	Solid	.015"	.020"	.22"	29
CW06184	KX	20	Solid	.015"	.020"	.17"	21
CW06185	KX	16	Solid	.015"	.020"	.22"	29
CW06186	EX	20	Solid	.015"	.020"	.17"	21
CW06187	EX	16	Solid	.015"	.020"	.22"	29
CW06188	TX	20	Solid	.015"	.020"	.17"	21
CW06189	TX	16	Solid	.015"	.020"	.22"	29
CW06190	RSX	20	Solid	.015"	.020"	.17"	21
CW06191	RSX	16	Solid	.015"	.020"	.22"	29

APPLICATION:

Suitable for the relay of temperature measurement signals in petrochemical plants, laboratories, industrial equipment testing, and other industrial uses up to 105Deg C. PVC jacket has excellent moisture resistance and good chemical and abrasion resistance.

OPTIONAL CONSTRUCTIONS:

Special calibration tolerance.

Other sizes including 18AWG.

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)
	Positive Wire	Negative Wire	Positive Wire	Negative Wire		
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

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