

THERMOCOUPLE EXTENSION WIRE

SINGLE PAIR 105 DEGREES C PVC

SOLID OR STRANDED, NONSHIELDED

CONSTRUCTION:

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

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

ASSEMBLY INSULATED CONDUCTORS ARE LAID PARALLEL.

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	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW06161	JX	20	Solid	.020"	.10" x .15"	14
CW06162	JX	20	7Stranded	.020"	.11" x .18"	15
CW06163	JX	16	Solid	.020"	.12" x .20"	27
CW06164	JX	14	Solid	.020"	.13" x .23"	38
CW06165	KX	20	Solid	.020"	.10" x .15"	14
CW06166	KX	20	7Stranded	.020"	.11" x .18"	15
CW06167	KX	16	Solid	.020"	.12" x .20"	27
CW06168	KX	14	Solid	.020"	.13" x .23"	38
CW06169	EX	20	Solid	.020"	.10" x .15"	14
CW06170	EX	20	7Stranded	.020"	.11" x .18"	15
CW06171	EX	16	Solid	.020"	.12" x .20"	27
CW06172	TX	20	Solid	.020"	.10" x .15"	14
CW06173	TX	20	7Stranded	.020"	.11" x .18"	15
CW06174	TX	16	Solid	.020"	.12" x .20"	27
CW06175	RSX	20	Solid	.020"	.10" x .15"	14
CW06176	RSX	20	7Stranded	.020"	.11" x .18"	15
CW06177	RSX	16	Solid	.020"	.12" x .20"	27

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		Positive Wire	Color Coding Negative Wire	Overall Jacket	Limits of Error (Deg C)
	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.