



“Taking Care of Business”

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THERMOCOUPLE EXTENSION WIRE SINGLE PAIR SHIELDED 90DEG C XLP INSULATION, TS-CPE JACKET, 600VOLTS

CONSTRUCTION:

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

INSULATION FLAME RETARDANT THERMOSETTING CROSSLINKED POLYETHYLENE (XLP), COLOR CODED PER ANSI STANDARDS.

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

JACKET FLAME RETARDANT THERMOSETTING CHLORINATED POLYETHYLENE (TS-CPE), COLOR CODED PER ANSI STANDARDS.

Charlotte Wire Part#	A.N.S.I. Type	Size AWG	Insulation Thickness (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW06341	JX	16	.025"	.045"	.35"	70
CW06342	KX	16	.025"	.045"	.35"	70
CW06343	EX	16	.025"	.045"	.35"	70
CW06344	TX	16	.025"	.045"	.35"	70

APPLICATION:

Suitable for the relay of temperature measurement signals in power plants, substations, and industrial locations where long-term reliability is needed. This non-pvc cable possesses excellent dielectric characteristics, good chemical resistance, long-term moisture resistance, and flame resistance.

OPTIONAL CONSTRUCTIONS:

Multipair overall shielded.
Multipair individual and overall shield.
UL Type TC.

THERMOCOUPLE IDENTIFICATION:

A.N.S.I. Type	Conductor Type			Color Coding		Limits of Error (Deg C)
	Positive Wire	Negative Wire	Positive 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

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