

THERMOCOUPLE EXTENSION WIRE SHIELDED PAIRS WITH OVERALL SHIELD TYPES JX & KX TYPE PLTC PVC INSULATED 105DEG C 300VOLTS

CONSTRUCTION:

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

INSULATION 15MILS PVC COLOR CODED PER ANSI STANDARDS.

PAIRS INSULATED CONDUCTORS TWISTED INTO PAIRS. COLOR CODED PER ANSI STANDARDS. ONE CONDUCTOR IN EACH PAIR IS ALSO NUMBERED FOR PAIR IDENTIFICATION. PAIRS CABLED TOGETHER WITH ALUMINUM/MYLAR TAPE SHIELD AND TINNED COPPER DRAIN TO PROVIDE 100% SHIELDING COVERAGE.

OVERALL SHIELD SHIELDED PAIRS CABLED TOGETHER WITH OVERALL ALUMINUM/MYLAR TAPE SHIELD AND TINNED COPPER DRAIN WIRE.

JACKET SUNLIGHT AND MOISTURE RESISTANT, FLAME RETARDANT PVC COLOR CODED PER ANSI STANDARDS.

Charlotte Wire Part#	A.N.S.I. Type	Size AWG	Number of Pairs	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW06291	JX	20	2	.040"	.35"	60
CW06292	JX	20	4	.050"	.46"	104
CW06293	JX	20	8	.050"	.57"	170
CW06294	JX	20	12	.060"	.67"	255
CW06295	JX	20	16	.060"	.75"	305
CW06296	JX	20	24	.060"	.92"	460
CW06297	JX	20	36	.070"	1.05"	630
CW06298	KX	20	2	.040"	.35"	60
CW06299	KX	20	4	.050"	.46"	104
CW06300	KX	20	8	.050"	.57"	170
CW06301	KX	20	12	.060"	.67"	255
CW06302	KX	20	16	.060"	.75"	305
CW06303	KX	20	24	.060"	.92"	460
CW06304	KX	20	36	.070"	1.05"	630

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 IEEE 383 70,000BTU flame test.
NEC Article 725 Class 2 & 3.

OPTIONAL CONSTRUCTIONS:

Other sizes including 18 & 16.
Type RX and SX alloy.

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.