



THERMOCOUPLE EXTENSION WIRE

MULTIPAIR - OVERALL SHIELD TYPES EX AND TX

TYPE PLTC PVC INSULATED 105DEG C PVC 300VOLTS

CONSTRUCTION:

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

INSULATION 15MILS PVC COLOR CODED PER ANSI STANDARDS.

ASSEMBLY INSULATED CONDUCTORS ARE TWISTED INTO PAIRS AND COLOR CODED PER ANSI STANDARDS. ONE CONDUCTOR IN EACH PAIR IS ALSO NUMBERED FOR EASE OF IDENTIFICATION. TWISTED 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)
CW06261	EX	20	2	.040"	.32"	50
CW06262	EX	20	4	.040"	.38"	82
CW06263	EX	20	8	.050"	.52"	141
CW06264	EX	20	12	.050"	.60"	196
CW06265	EX	20	16	.060"	.64"	230
CW06266	EX	20	24	.060"	.81"	355
CW06267	EX	20	36	.070"	.95"	510
CW06268	TX	20	2	.040"	.32"	50
CW06269	TX	20	4	.040"	.38"	82
CW06275	TX	20	6	.050"	.44"	110
CW06270	TX	20	8	.050"	.52"	141
CW06271	TX	20	12	.050"	.60"	196
CW06272	TX	20	16	.060"	.64"	230
CW06276	TX	20	20	.060"	.67"	290
CW06273	TX	20	24	.060"	.81"	355
CW06274	TX	20	36	.070"	.95"	510

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.