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## THERMOCOUPLE EXTENSION WIRE UL Type PLTC Single and Multiple Pairs 300 Volt 105°C

Type Designations							
ASA Type	Alloys		Insulation Colors		Jacket Color	Range	Limits of Error
	Positive	Negative	Positive	Negative			
EX	chromel	constantan	purple	red	purple	0 to +200	± 1.7°C
JX	iron	constantan	white	red	black	0 to +200	± 2.2°C
KX	chromel	alumel	yellow	red	yellow	0 to +200	± 2.2°C
TX	copper	constantan	blue	red	blue	-60 to +100	± 1.0°C

\* Note: The red (negative) in each pair is sequentially numbered for identification.

Physical Characteristics	Test Method	Insulation	Jacket
Temperature Rating	UL Subject 13	105°C	105°C
Tensile Strength (Min. PSI @ 75°F)		1500 PSI	1500 PSI
Ultimate Elongation (Min. % @ 75°F)	UL Subject 13	100%	100%
Deformation		50%	50%
Air Oven Aging (168 hrs. @ 136°C) % Retained Tensile % Retained Elongation	UL Subject 13	70% 65%	
Air Oven Aging (168 hrs. @ 121°C) % Retained Tensile % Retained Elongation	UL Subject 13		70% 45% (die cut)
Cold Bend (@ -25°C) 72 hours Flammability	UL Subject 13	no cracks	no cracks
Horizontal Vertical & 70,000 BTU	UL Subject 13	pass	pass
Conductor Corrosion (168 hrs. @ 136°C) Heat Shock (168 hrs. @ 136°C) (168 hrs. @ 121°C) Shrinkage Test (6 hrs. @ 121°C 1/8" Max.)	UL Subject 13  UL Subject 13  UL Subject 13	none  no cracks  1/8" or less	  no cracks
Electrical Specifications			
Dielectric	UL Subject 13		900V AC
Spark Test	UL Subject 13	2000V AC	
Continuity		100%	100%
Insulation Resistance (Min.)	UL Subject 13	100 Megohms	

\* Values stated are Minimum requirements as outlined in the applicable Standard and in all cases are met or exceeded.

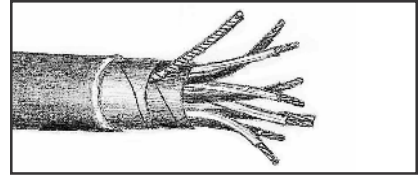
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# THERMOCOUPLE EXTENSION WIRE - P.O.S. UL Type PLTC Single and Multiple Pairs Overall Shield PVC Insulation, PVC Jacketed 300 Volt 105°C

Construction Specifications	
Conductor	Solid, annealed thermocouple extension grade alloys
Insulation	Color coded, flame-retardant polyvinyl chloride (PVC).
Color Code	ANSI color code
Lay of Twist	2 "
Shield	100% coverage aluminum-Mylar tape shield with tinned copper wire drain
Jacket	Flame-retardant polyvinyl chloride (PVC) with rip-cord.

Catalog No.	ANSI Type	Size AWG	No. of Pairs	Jacket Wall	Overall Diameter	Net Weight
P01K13	KX	16	1	35 "	.250 "	44 lbs/mft
P02K13	KX	20	4	40 "	.360 "	78 lbs/mft
P03K13	KX	20	8	50 "	.470 "	140 lbs/mft
P04K13	KX	20	12	50 "	.540 "	190 lbs/mft
P05K13	KX	20	16	60 "	.620 "	251 lbs/mft
P06K13	KX	20	20	60 "	.650 "	301 lbs/mft
P07K13	KX	20	24	60 "	.730 "	355 lbs/mft
P08K13	KX	20	36	70 "	.840 "	492 lbs/mft
P09K13	KX	20	50	70 "	.970 "	680 lbs/mft
P10K13	TX	16	1	35 "	.250 "	44 lbs/mft
P11K13	TX	20	4	40 "	.360 "	78 lbs/mft
P12K13	TX	20	8	50 "	.470 "	140 lbs/mft
P13K13	TX	20	12	50 "	.540 "	190 lbs/mft
P14K13	TX	20	16	60 "	.620 "	251 lbs/mft
P15K13	TX	20	20	60 "	.650 "	301 lbs/mft
P16K13	TX	20	24	60 "	.730 "	355 lbs/mft
P17K13	TX	20	36	70 "	.840 "	492 lbs/mft
P18K13	TX	20	50	70 "	.970 "	680 lbs/mft

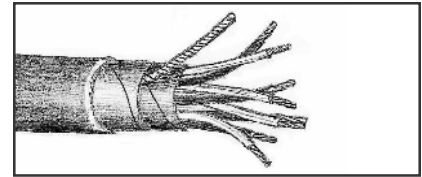
\* Shipping Tolerances +/-10%

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## THERMOCOUPLE EXTENSION WIRE - P.O.S. Single and Multiple Pairs Overall Shield 300 Volts 105°C Rating Type PLTC

Catalog No.	ANSI Type	Size AWG	No. of Pairs	Jacket Wall	Overall Diameter	Net Weight
P01K14	EX	16	1	35"	.250"	44 lbs/mft
P02K14	EX	20	4	40"	.360"	78 lbs/mft
P03K14	EX	20	8	50"	.470"	140 lbs/mft
P04K14	EX	20	10	50"	.490"	173 lbs/mft
P05K14	EX	20	12	50"	.540"	190 lbs/mft
P06K14	EX	20	16	60"	.620"	251 lbs/mft
P07K14	EX	20	20	60"	.650"	301 lbs/mft
P08K14	EX	20	24	50"	.730"	355 lbs/mft
P09K14	EX	20	36	70"	.840"	492 lbs/mft
P10K14	EX	20	50	70"	.970"	680 lbs/mft
P11K14	JX	16	1	35"	.250"	44 lbs/mft
P12K14	JX	20	4	40"	.360"	78 lbs/mft
P13K14	JX	20	8	50"	.470"	140 lbs/mft
P14K14	JX	20	10	50"	.490"	173 lbs/mft
P15K14	JX	20	12	50"	.540"	190 lbs/mft
P16K14	JX	20	16	60"	.620"	251 lbs/mft
P17K14	JX	20	20	60"	.650"	301 lbs/mft
P18K14	JX	20	24	50"	.730"	355 lbs/mft
P19K14	JX	20	36	70"	.840"	492 lbs/mft
P20K14	JX	20	50	70"	.970"	680 lbs/mft

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