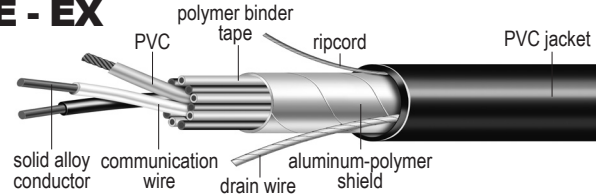


THERMOCOUPLE EXTENSION CABLE - EX

**300 Volt UL Type PLTC & ITC, 105°C
Single & Multiple Pairs
Overall Shield
PVC Insulation & PVC Jacket
Solid Alloy Conductors**



INSTRUMENTATION & THERMOCOUPLE

Catalog Number	ANSI Type	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW111 1601E	EX	16	1	15	35	0.28	46
HW111 2004E	EX	20	4	15	40	0.40	78
HW111 2008E	EX	20	8	15	50	0.52	143
HW111 2012E	EX	20	12	15	50	0.61	195
HW111 2016E	EX	20	16	15	50	0.66	257
HW111 2024E	EX	20	24	15	50	0.81	356
HW111 2036E	EX	20	36	15	70	0.95	513

APPLICATION:

For use in thermocouple extension applications where protection from electrostatic interference is required. UL listed as Type PLTC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.

CONDUCTORS:

Annealed, solid thermocouple extension-grade alloys calibrated to standard limits of error per ANSI-MC96.1

INSULATION:

Flame-retardant PVC per UL Standard 13, color coded per ANSI-MC96.1

COMMUNICATION WIRE:

Multipair constructions contain a bare copper orange PVC-insulated communication wire

OVERALL SHIELD:

Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire

JACKET:

Sunlight-resistant PVC color coded per ANSI-MC96.1. A ripcord is applied longitudinally under the jacket to facilitate stripping

FLAME TESTS:

UL 1581 (70,000 BTU/hr) Flame Test

ADDITIONAL STANDARDS:

NEC Type ITC approved for use in hazardous locations per Articles 501, 502, 503 and 504

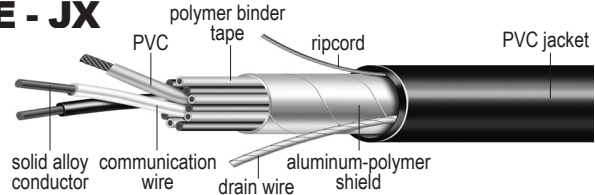
TYPE DESIGNATIONS							
ASA Type	Alloys		Insulation Colors		Jacket Color	Range	Limits of Error
	Positive	Negative	Positive	Negative			
EX	Chromel	Constantan	Purple	Red	Purple	0 to +200	+/- 1.7°C
JX	Iron	Constantan	White	Red	Black	0 to +200	+/- 2.2°C
KX	Chromel	Alumel	Yellow	Red	Yellow	0 to +200	+/- 2.2°C
TX	Copper	Constantan	Blue	Red	Blue	0 to +100	+/- 1.0°C

Note: One conductor in each pair is sequentially numbered for identification.

SPECIFICATION
HW111

THERMOCOUPLE EXTENSION CABLE - JX

300 Volt UL Type PLTC & ITC, 105°C
Single & Multiple Pairs
Overall Shield
PVC Insulation & PVC Jacket
Solid Alloy Conductors



Catalog Number	ANSI Type	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW111 1601J	JX	16	1	15	35	0.28	46
HW111 2004J	JX	20	4	15	40	0.40	78
HW111 2008J	JX	20	8	15	50	0.52	143
HW111 2012J	JX	20	12	15	50	0.61	195
HW111 2016J	JX	20	16	15	50	0.66	257
HW111 2024J	JX	20	24	15	60	0.81	356
HW111 2036J	JX	20	36	15	70	0.95	513

APPLICATION:

For use in thermocouple extension applications where protection from electrostatic interference is required. UL listed as Type PLTC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.

CONDUCTORS:

Annealed, solid thermocouple extension-grade alloys calibrated to standard limits of error per ANSI-MC96.1

INSULATION:

Flame-retardant PVC per UL Standard 13, color coded per ANSI-MC96.1

COMMUNICATION WIRE:

Multipair constructions contain a bare copper orange PVC-insulated communication wire

OVERALL SHIELD:

Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire

JACKET:

Sunlight-resistant PVC color coded per ANSI-MC96.1. A ripcord is applied longitudinally under the jacket to facilitate stripping

FLAME TESTS:

UL 1581 (70,000 BTU/hr) Flame Test

ADDITIONAL STANDARDS:

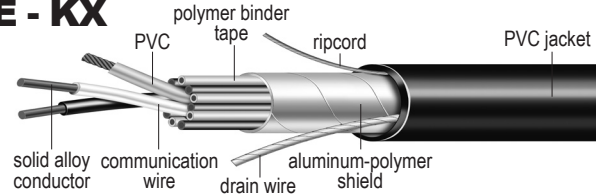
NEC Type ITC approved for use in hazardous locations per Articles 501, 502, 503 and 504

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	0 to +100	+/- 1.0°C

Note: One conductor in each pair is sequentially numbered for identification.

THERMOCOUPLE EXTENSION CABLE - KX

**300 Volt UL Type PLTC & ITC, 105°C
Single & Multiple Pairs
Overall Shield
PVC Insulation & PVC Jacket
Solid Alloy Conductors**



INSTRUMENTATION & THERMOCOUPLE

Catalog Number	ANSI Type	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW111 1601K	KX	16	1	15	35	0.28	46
HW111 2004K	KX	20	4	15	40	0.40	78
HW111 2008K	KX	20	8	15	50	0.52	143
HW111 2012K	KX	20	12	15	50	0.61	195
HW111 2016K	KX	20	16	15	50	0.66	257
HW111 2024K	KX	20	24	15	60	0.81	356
HW111 2036K	KX	20	36	15	70	0.95	513

APPLICATION:

For use in thermocouple extension applications where protection from electrostatic interference is required. UL listed as Type PLTC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations

CONDUCTORS:

Annealed, solid thermocouple extension-grade alloys calibrated to standard limits of error per ANSI-MC96.1

INSULATION:

Flame-retardant PVC per UL Standard 13, color coded per ANSI-MC96.1

COMMUNICATION WIRE:

Multipair constructions contain a bare copper orange PVC-insulated communication wire

OVERALL SHIELD:

Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire

JACKET:

Sunlight-resistant PVC color coded per ANSI-MC96.1. A ripcord is applied longitudinally under the jacket to facilitate stripping

FLAME TESTS:

UL 1581 (70,000 BTU/hr) Flame Test

ADDITIONAL STANDARDS:

NEC Type ITC approved for use in hazardous locations per Articles 501, 502, 503 and 504

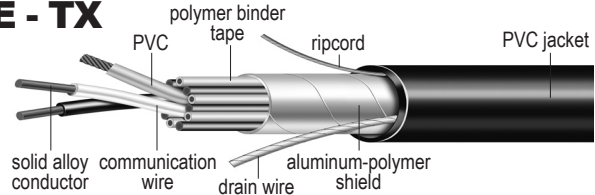
TYPE DESIGNATIONS							
ASA Type	Alloys		Insulation Colors		Jacket Color	Range	Limits of Error
	Positive	Negative	Positive	Negative			
EX	Chromel	Constantan	Purple	Red	Purple	0 to +200	+/- 1.7°C
JX	Iron	Constantan	White	Red	Black	0 to +200	+/- 2.2°C
KX	Chromel	Alumel	Yellow	Red	Yellow	0 to +200	+/- 2.2°C
TX	Copper	Constantan	Blue	Red	Blue	0 to +100	+/- 1.0°C

Note: One conductor in each pair is sequentially numbered for identification.

SPECIFICATION
HW111

THERMOCOUPLE EXTENSION CABLE - TX

300 Volt UL Type PLTC & ITC, 105°C
Single & Multiple Pairs
Overall Shield
PVC Insulation & PVC Jacket
Solid Alloy Conductors



Catalog Number	ANSI Type	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW111 1601T	TX	16	1	15	35	0.28	46
HW111 2004T	TX	20	4	15	45	0.36	69
HW111 2008T	TX	20	8	15	55	0.46	121
HW111 2012T	TX	20	12	15	55	0.54	165
HW111 2016T	TX	20	16	15	55	0.60	207
HW111 2024T	TX	20	24	15	65	0.73	303
HW111 2036T	TX	20	36	15	65	0.82	422

APPLICATION:

For use in thermocouple extension applications where protection from electrostatic interference is required. UL listed as Type PLTC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.

CONDUCTORS:

Annealed, solid thermocouple extension-grade alloys calibrated to standard limits of error per ANSI-MC96.1

INSULATION:

Flame-retardant PVC per UL Standard 13, color coded per ANSI-MC96.1

COMMUNICATION WIRE:

Multipair constructions contain a bare copper orange PVC-insulated communication wire

OVERALL SHIELD:

Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire

JACKET:

Sunlight-resistant PVC color coded per ANSI-MC96.1. A ripcord is applied longitudinally under the jacket to facilitate stripping

FLAME TESTS:

UL 1581 (70,000 BTU/hr) Flame Test

ADDITIONAL STANDARDS:

NEC Type ITC approved for use in hazardous locations per Articles 501, 502, 503 and 504

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	0 to +100	+/- 1.0°C

Note: One conductor in each pair is sequentially numbered for identification.