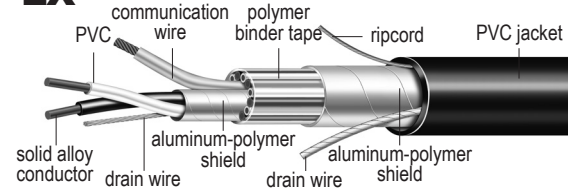


THERMOCOUPLE EXTENSION CABLE - EX

**300 Volt UL Type PLTC & ITC, 105°C
Multiple Pairs
Individual & 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 |
|----------------|-----------|----------|-----------------|---------------------------|-----------------------|-------------------------|--------------------|
| HW112 2004E | EX | 20 | 4 | 15 | 50 | 0.46 | 110 |
| HW112 2008E | EX | 20 | 8 | 15 | 50 | 0.58 | 182 |
| HW112 2012E | EX | 20 | 12 | 15 | 60 | 0.71 | 267 |
| HW112 2016E | EX | 20 | 16 | 15 | 60 | 0.75 | 411 |
| HW112 2024E | EX | 20 | 24 | 15 | 70 | 0.97 | 492 |
| HW112 2036E | EX | 20 | 36 | 15 | 70 | 1.11 | 685 |

APPLICATION:

For use in thermocouple extension applications where superior 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

INDIVIDUAL SHIELD:

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

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

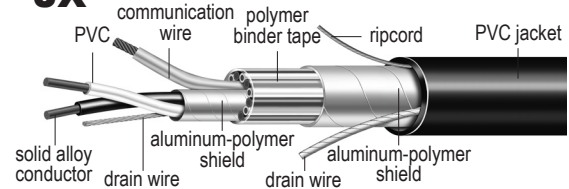
| TYPE DESIGNATIONS | | | | | | | |
|-------------------|----------|------------|-------------------|----------|--------------|-----------|-----------------|
| ASA Type | Alloys | | Insulation Colors | | Jacket Color | Range | Limits of Error |
| | Positive | Negative | Positive | Negative | | | |
| 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
HW112

THERMOCOUPLE EXTENSION CABLE - JX

300 Volt UL Type PLTC & ITC, 105°C
Multiple Pairs
Individual & 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 |
|----------------|-----------|----------|-----------------|---------------------------|-----------------------|-------------------------|--------------------|
| HW112 2004J | JX | 20 | 4 | 15 | 50 | 0.46 | 110 |
| HW112 2008J | JX | 20 | 8 | 15 | 50 | 0.58 | 182 |
| HW112 2012J | JX | 20 | 12 | 15 | 60 | 0.71 | 267 |
| HW112 2016J | JX | 20 | 16 | 15 | 60 | 0.76 | 411 |
| HW112 2024J | JX | 20 | 24 | 15 | 70 | 0.97 | 492 |
| HW112 2036J | JX | 20 | 36 | 15 | 70 | 1.11 | 685 |

APPLICATION:

For use in thermocouple extension applications where superior 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

INDIVIDUAL SHIELD:

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

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:

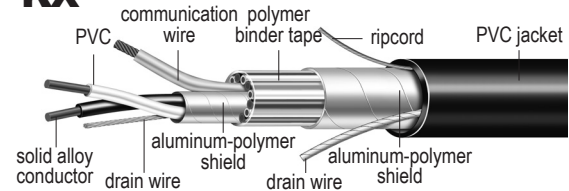
NEC Type ITC approved for use in hazardous locations per Articles 501, 502, 503 and 504

| 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
Multiple Pairs
Individual & 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 |
|----------------|-----------|----------|-----------------|---------------------------|-----------------------|-------------------------|--------------------|
| HW112 2004K | KX | 20 | 4 | 15 | 50 | 0.46 | 110 |
| HW112 2008K | KX | 20 | 8 | 15 | 50 | 0.58 | 182 |
| HW112 2012K | KX | 20 | 12 | 15 | 60 | 0.71 | 267 |
| HW112 2016K | KX | 20 | 16 | 15 | 60 | 0.76 | 411 |
| HW112 2024K | KX | 20 | 24 | 15 | 70 | 0.97 | 492 |
| HW112 2036K | KX | 20 | 36 | 15 | 70 | 1.11 | 685 |

APPLICATION:

For use in thermocouple extension applications where superior 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

INDIVIDUAL SHIELD:

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

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

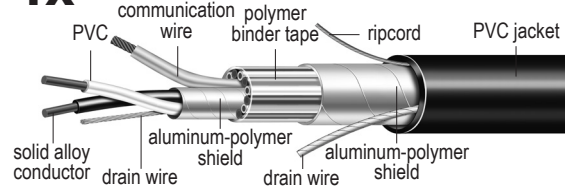
| TYPE DESIGNATIONS | | | | | | | |
|-------------------|----------|------------|-------------------|----------|--------------|-----------|-----------------|
| ASA Type | Alloys | | Insulation Colors | | Jacket Color | Range | Limits of Error |
| | Positive | Negative | Positive | Negative | | | |
| 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
HW112

THERMOCOUPLE EXTENSION CABLE - TX

300 Volt UL Type PLTC & ITC, 105°C
Multiple Pairs
Individual & 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 |
|----------------|-----------|----------|-----------------|---------------------------|-----------------------|-------------------------|--------------------|
| HW112 2004T | TX | 20 | 4 | 15 | 50 | 0.46 | 110 |
| HW112 2008T | TX | 20 | 8 | 15 | 50 | 0.58 | 182 |
| HW112 2012T | TX | 20 | 12 | 15 | 60 | 0.71 | 267 |
| HW112 2016T | TX | 20 | 16 | 15 | 60 | 0.76 | 411 |
| HW112 2024T | TX | 20 | 24 | 15 | 70 | 0.97 | 492 |
| HW112 2036T | TX | 20 | 36 | 15 | 70 | 1.11 | 685 |

APPLICATION:

For use in thermocouple extension applications where superior 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

INDIVIDUAL SHIELD:

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

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.