

## Heavy Insulated Heating Tape

### Description:

HTS/Amptek® Heavy Insulated Heating Tapes are low watt density, high temperature electric heaters in tape form. They are very flexible and are covered with an outer heavy braid for mechanical and dielectric protection. Use on glass, ceramic or metal.



### High Temperature Capability

**1400°F AMOX® Yarn Insulation:**

AWH style tapes may be operated to 1400°F, with de-energized exposures to 1600°F.

**900°F Fiberglass Yarn Insulation:**

AIH laboratory style tapes may be operated to 900° F, with de-energized exposures to 1000° F.

### Low Watt Density Design

**13 Watts/In<sup>2</sup>:**

AWH AMOX® laboratory style tapes are rated at 13 watts/in<sup>2</sup>.

**8.67 Watts/In<sup>2</sup>:**

AIH Fiberglass laboratory style tapes are rated at 8.67 watts/in<sup>2</sup>.

### Knitted, Serpentine, Construction

**Minimized Expansion, Vibration and Thermal Stress:**

Unlike other straight element tapes, HTS/Amptek tapes are knitted into sine wave configurations. The element is cushioned and supported by knitted warp fabric as it expands evenly in all directions rather than one.

**Longer Life:**

Knitting puts more element length into a given area, providing longer life through better distribution of heat. (lower watts per inch of wire)

**Flexible:**

Knitting yields ultimate flexibility.

### Multi-Strand Wire Element

**High Temperature and Flexible:**

All HTS/Amptek tape elements are bundled fine strand resistance wire, 36 to 40 gauge, covered with a minimum of two layers of braided AMOX® yarn.

### Heavy Braided Outer Cover

**Heavy Amox® Yarn:**

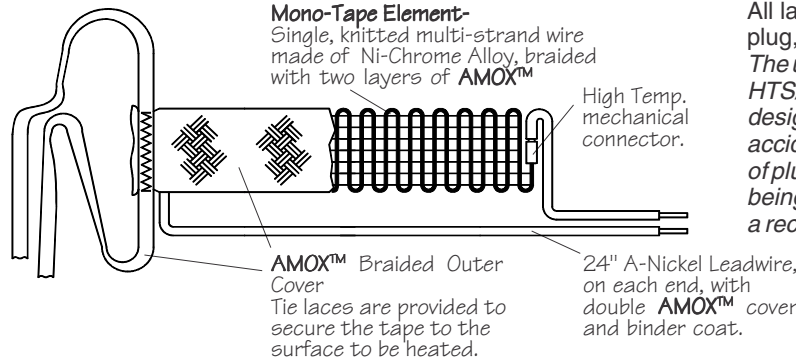
The heavy braided outer cover provides added abrasion and dielectric protection for the element. Heavy insulated tapes may be used on conductive surfaces, such as metal tubing etc., in addition to ceramic and glassware.

### Lead Wires, High Temperature

**2 Ft. Leads on Each End:**

The multi-strand, 'A' Nickel conductor is covered with two layers of AMOX® yarn and impregnated with a high temperature binder.

# Heavy Insulated Laboratory Heating Tapes



## Heating Tape Basic Construction:

HTS/Amptek tape construction begins by first: double braiding high temperature AMOX™ yarn over multiple strands of fine resistance wire, then second: knitting the assembly into a tight, serpentine configuration, forming a flat tape.

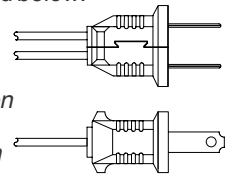
## Heavy Insulated Tapes Feature:

All heavy insulated tapes are provided with an additional overbraid of high temperature AMOX™ yarn for abrasion and dielectric strength.

## Plug, separable, two piece design:

All laboratory tapes are provided with plug, except as noted below.

The unique HTS/Amptek design precludes accidental separation of plug halves while being removed from a receptacle.



## Fiberglass Heavy Insulated AIH Style 900°F (482°F) Maximum

Catalog Number	Watts	Volts	Size (US)	Metric (cm)
AIH-051-020	104	120	.5" X 2'	1.3 X 60
AIH-051-040	208	120	.5" X 4'	1.3 X 120
AIH-051-060	312	120	.5" X 6'	1.3 X 180
AIH-051-080	416	120	.5" X 8'	1.3 X 240
AIH-051-100	520	120	.5" X 10'	1.3 X 200
AIH-101-020	208	120	1" X 2'	2.5 X 060
AIH-101-040	416	120	1" X 4'	2.5 X 120
AIH-102-060*	624	240	1" X 6'	2.5 X 180
AIH-102-080*	832	240	1" X 8'	2.5 X 240
AIH-102-100*	1040	240	1" X 10'	2.5 X 300

## AMOX Heavy Insulated AWH Style 1400°F (760°F) Maximum

Catalog Number	Watts	Volts	Size (US)	Metric (cm)
AWH-051-020	156	120	.5" X 2'	1.3 X 60
AWH-051-040	312	120	.5" X 4'	1.3 X 120
AWH-051-060	468	120	.5" X 6'	1.3 X 180
AWH-051-080	624	120	.5" X 8'	1.3 X 240
AWH-052-100*	780	240	.5" X 10'	1.3 X 300
AWH-052-120*	936	240	.5" X 12'	1.3 X 360
AWH-101-020	312	120	.5" X 2'	2.5 X 60
AWH-101-040	624	120	1" X 4'	2.5 X 120
AWH-102-060*	936	240	1" X 6'	2.5 X 180
AWH-102-080*	1248	240	1" X 8'	2.5 X 240

\*No plug supplied on 240 volt tapes. Most sizes are available in 240V... see pricelist for complete listing.

## To Order or Additional Information:

Contact your local HTS/Amptek Representative or Distributor or call us direct.

## Special Designs Available:

Contact HTS/Amptek for custom configurations. Typical modifications are length, width, watts, volts, ohms, lead length, plugs and insulation type. **For leads on the same end see our Duo-Tape® brochure.** Part numbers and specifications may be changed without notice.

## Accessories Available From

**HTS/Amptek:** High temperature accessories such as additional lead wire, crimp connectors, insulating tape and temperature controls provide the convenient pieces to quickly perform your task.

[www.heatingtapes.com](http://www.heatingtapes.com)

# HTS/Amptek

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