

Standard Insulated Heating Tape

Description:

HTS/Amptek Standard Insulated Heating Tapes are low watt density, high temperature electric heaters in tape form. They are very flexible and may be used on nonconductive surfaces such as glassware or ceramic. This product is not for use on metal.



High Temperature Capability

1400°F AMOX™ Yarn Insulation:

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

900° F Fiberglass Yarn Insulation:

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

Low Watt Density Design

13 Watts/In²:

AWO AMOX™ laboratory style tapes are rated at 13 watts/in².

8.67 Watts/In²:

AOO Fiberglass laboratory style tapes are rated at 8.67 watts/in².

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:

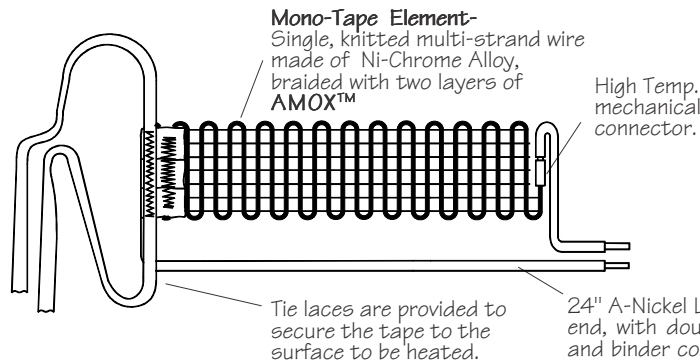
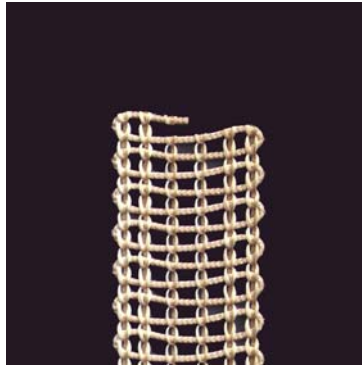
All HTS/Amptek tape elements are bundled fine strand resistance wire, 36 to 40 gauge, covered with a minimum of two layers of braided AMOX™ yarn.

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.

Standard Insulated Laboratory Heating Tapes



Heating Tape Basic Construction:

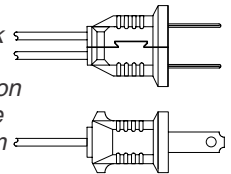
HTS/Amptek tape construction begins by first: double braiding high temperature AMOX™ yarn over multiple strands of fine resistance wire, then second: knitting the assembly into a tight, serpentine configuration, forming a flat tape.

Standard Insulated Tapes Feature

basic construction without the overbraid. Lead wires are attached to each end. These tapes are recommended for use on non-conductive surfaces such as glass or ceramic, not directly on metal.

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 Standard Insulated AIH Style 900°F (482°F) Maximum

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

AMOX Standard Insulated AWH Style 1400°F (760°F) Maximum

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

HTS/Amptek

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