

Heavy Insulated Mono-Tape™ Heating Tapes

- 24" Lead Wires on Each End
- AWH Heavy 1400°F (760°C) AMOX™ Braided Cover
- AIH Heavy 900°F (482°C) Fiberglass Braided Cover
- Robust & Flexible Knitted Serpentine Element
- Off the Shelf, 13 or 8.67 Watts/in² versions
- 120V or 240V 1PH, Two Wire Hook-Up

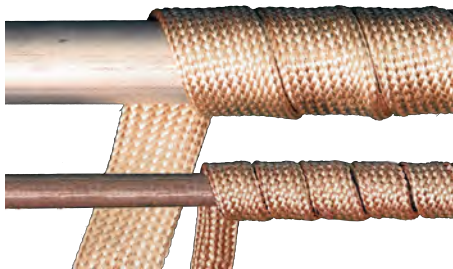


Heavy Insulated, Flexible Heating Tapes are available in many standard sizes. Contact SWHC and receive professional assistance for your application Call 214.340.7500 USA central time. Email sales@swhc.com

Mono-Tapes™ are offered in two designs; High Temperature, high watt density at 13 WSI, and medium temperature, medium watt density at 8.67 WSI. Other, custom designs, may be special ordered.



The Mono-Tape™ (single element) Serpentine configuration. Lead Wires exit from one end. *For wiring convenience, see Duo-Tapes®*

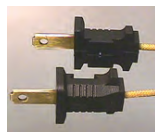


1" WIDE TAPES MAY BE WRAPPED ON DIAMETERS AS SMALL AS 3/4"

1/2" WIDE TAPES MAY BE WRAPPED ON DIAMETERS AS SMALL AS 1/4"

The heavy AMOX™ or Fiberglass sleeving overbraid maintains flexibility while providing Dielectric and Abrasion protection.

Lead wires are a standard 24" on each end with no plug. An optional, *Split* Molded Plug, may be ordered on most 120V models. If wiring becomes an issue, see *Duo-Tapes®* or request longer leads. Contact HTS/Amptek® to discuss custom solutions.



Knitted Serpentine Construction:

Element construction begins with knitting the stranded conductor to form the flat serpentine tape configuration.

- **Reduced Vibration and Thermal Stress**
Unlike straight element types, HTS/Amptek® sine wave, knitted warp fabric, cushions and supports the element as it expands in all directions rather than one.
- **Longer Life, Lower Watt Density**
Knitting puts more element into a given area, enhancing longer life through better distribution of heat. (lower watts per inch of wire)
- **Very Flexible**
Knitting yields ultimate flexibility. 1/2" wide tapes may be easily applied to diameters as small as 1/4".

Ni-Chrome Element Formula:

Multi-Strand bundled resistance wire design for ohm stability and durable flexibility... from ambient to high temperature.

Heavy Braided 1400°AMOX™ or 900° Fiberglass Outer Sleaving:

The added outer cover provides dielectric and abrasion protection. Heavy Mono-Tapes™ may be used on conductive surfaces such as metal tubing.

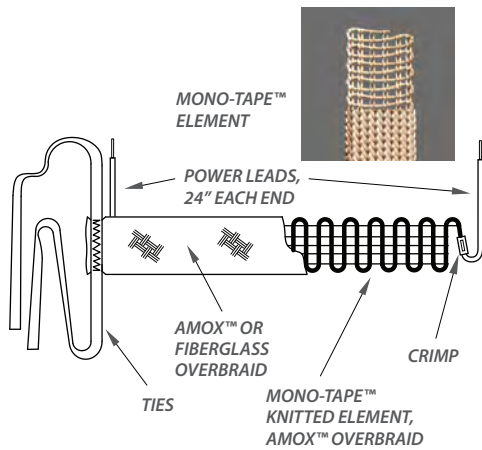
Manufactured in the USA... Quick Response to Custom Requests:

All HTS/Amptek® Tapes are proudly manufactured in Texas, USA. Special Designs such as custom length, width, watts, volts and lead length may be ordered with minimum turn around time. Add a Sensor, or consider using a Heating Jacket for ease of install and removal.



Heavy Insulated Mono-Tape™ Heating Tapes

Heavy Mono-Tape™ Assembly Features



Knitted Heating Element:

Element construction starts with two layers of braided AMOX™ yarn over fine stranded resistance wire to form the element conductor. The finished conductor is knitted to the serpentine flat tape configuration. The final installation of braided AMOX™ or Fiberglass gives additional dielectric strength and durability. Fiberglass ties are stitched on each end for attaching convenience.

Standard Sizes, Voltages and Watt-Densities:

Heavy Mono-Tapes™ are available in many off-the-shelf configurations. Please see below.

Custom Sizes, Voltages and Watt-Densities:

Custom lengths, watts, volts or lead wires may be special ordered for quick turn around.

Power Leads on each end:

Standard length is 24". Custom lengths may be special ordered.

DIMENSIONS		MONOTAPE™ HIGH WATT DENSITY 13 WSI				MONOTAPE™ MEDIUM DENSITY 8.67 WSI			
SIZE (US)	SIZE (CM)	MODEL 120V	MODEL 240V	WATTS	MAX TEMP	MODEL 120V	MODEL 240V	WATTS	MAX TEMP
.5" X 2'	1.3 X 060	AWH-051-020	AWH-052-020	156	1400°F 760°C	AIH-051-020	AIH-052-020	104	900°F 482°C
.5" X 4'	1.3 X 120	AWH-051-040	AWH-052-040	312		AIH-051-040	AIH-052-040	208	
.5" X 6'	1.3 X 180	AWH-051-060	AWH-052-060	468		AIH-051-060	AIH-052-060	312	
.5" X 8'	1.3 X 240	AWH-051-080	AWH-052-080	624		AIH-051-080	AIH-052-080	416	
.5" X 10'	1.3 X 300		AWH-052-100	780		AIH-051-100	AIH-052-100	520	
.5" X 12'	1.3 X 360		AWH-052-120	936			AIH-052-120	624	
1" X 2'	2.5 X 060	AWH-101-020	AWH-102-020	312		AIH-101-020	AIH-102-020	208	
1" X 4'	2.5 X 120	AWH-101-040	AWH-102-040	624		AIH-101-040	AIH-102-040	416	
1" X 6'	2.5 X 180		AWH-102-060	936			AIH-102-060	624	
1" X 8'	2.5 X 240		AWH-102-080	1248			AIH-102-080	832	
1" X 10'	2.5 X 240					AIH-102-100	1040		



HTS/Amptek® heating Tapes must be controlled:

Laboratory style heaters are "constant watt" and must be regulated to achieve your target temperature without overheating. The simple, low-cost LCZ series may be used for manual, rheostat switching to reduce or increase output. For better precise control, see our BT (bench-top) and WM (wall-mount) Thermocouple or RTD sensor consoles.

Note on Wiring Convenience:

Mono-Tapes™ have leadwires on each end. Once installed, the location of the leads may require a jumper or other additional wiring to reach the controller, junction or terminal strip.

Contact your SWHC representative, for a custom Duo-Tape® or Controller...