

Standard Insulated Mono-Tape™ Heating Tapes

- 24" Lead Wires on Each End
- AW0 1400°F (760°C) AMOX™ Yarn (no sleeve cover)
- AI0 900°F (482°C) Fiberglass Yarn (no sleeve cover)
- Robust & Flexible Knitted Serpentine Element
- 13 Watts/in² or 8.67 Watts/in² versions
- *USE ON NON-CONDUCTIVE SURFACES ONLY*



Standard Insulated, Flexible Heating Tapes are available in many stock 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 Knitted Standard Insulated Mono-Tape™ distributes the heater element wire uniformly, even when flexed over changing geometry. This configuration is ideal where heat is need on Laboratory glassware installations.

Lead wires are a standard 24" on each end with no plug. An optional, *Split Molded Plug*, may bw 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.

Braided Element 1400°AMOX™ or 900° Fiberglass:

The multi-strand element is covered with a braided yarn. Unlike our other models, there is no additional sleeving over the knitted element.

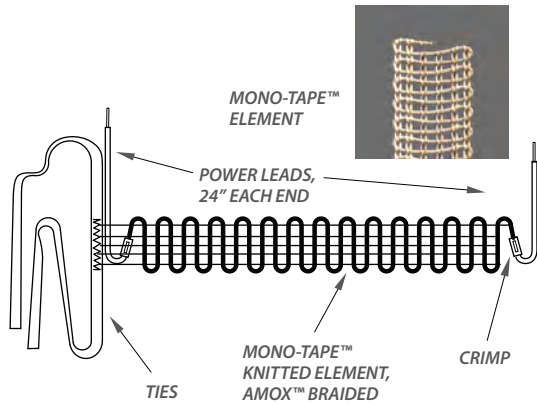
Manufactured in the USA... Quick Response to Custom Requests:

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.



Standard Insulated Mono-Tape™ Heating Tapes

Standard 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. No overbraid is installed, therefore the heaters **may not be used** on conductive surfaces such as steel and copper. Use on glass or other nonconductive surfaces. Fiberglass ties are stitched on each end for attaching convenience.

Standard Sizes, Voltages and Watt-Densities:

Standard 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	
SIZE (US)	SIZE (CM)
.5" X 2'	1.3 X 060
.5" X 4'	1.3 X 120
.5" X 6'	1.3 X 180
.5" X 8'	1.3 X 240
.5" X 10'	1.3 X 300
.5" X 12'	1.3 X 360
1" X 2'	2.5 X 060
1" X 4'	2.5 X 120
1" X 6'	2.5 X 180
1" X 8'	2.5 X 240
1" X 10'	2.5 X 240

MONOTAPE™ HIGH WATT DENSITY 13 WSI			
MODEL 120V	MODEL 240V	WATTS	MAX TEMP
AW0-051-020	AW0-052-020	156	
AW0-051-040	AW0-052-040	312	
AW0-051-060	AW0-052-060	468	
AW0-051-080	AW0-052-080	624	
	AW0-052-100	780	
	AW0-052-120	936	
AW0-101-020	AW0-102-020	312	
AW0-101-040	AW0-102-040	624	
	AW0-102-060	936	
	AW0-102-080	1248	

MONOTAPE™ MEDIUM DENSITY 8.67 WSI			
MODEL 120V	MODEL 240V	WATTS	MAX TEMP
AI0-051-020	AI0-052-020	104	
AI0-051-040	AI0-052-040	208	
AI0-051-060	AI0-052-060	312	
AI0-051-080	AI0-052-080	416	
AI0-051-100	AI0-052-100	520	
	AI0-052-120	624	
AI0-101-020	AI0-102-020	208	
AI0-101-040	AI0-102-040	416	
	AI0-102-060	624	
	AI0-102-080	832	
	AI0-102-100	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...