

Wide Heavy Insulated Heating Tapes

- Wider Tapes for more Surface Coverage
- 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, 8.67 Watts/in² of Element
- 120V or 240V 1PH, up to 3,120 Watts



Wide-Heavy 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

Wide-Heavy Tapes are offered in two designs; High Temperature, high watt density at 13 WSI, and medium temperature, medium watt density at 8.67 WSI.



Both Duo-Tape® and Mono-Tape Serpentine elements are used to configure the Wide-Heavy Tape product line.



½" WIDE TAPES MAY BE WRAPPED ON DIAMETERS AS SMALL AS ¼"

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

Duo-Tape® leads are a standard 24" with no plug. An optional, Molded Plug, may be ordered on most 120V models. For 240V models, other commercially available plugs may be installed. Contact HTS/Amptek® to discuss a custom solution.



Duo-Tape® or Mono-Tape™ Knitted Serpentine Construction:

Each element construction begins with either one or two conductors knitted side by side 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)

Wide Configuration via Multiple Laps

Multi parallel or series laps are internally wired to form the extra width of the Wide-Heavy Tape.

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:

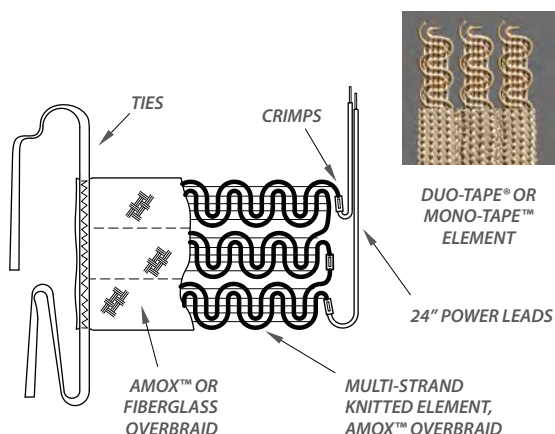
The added outer cover provides dielectric and abrasion protection. Heavy Duo-Tapes® may be used on conductive surfaces such as metal tubing.

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.



Wide-Heavy Insulated Heating Tapes



Knitted Duo-Tape® or Mono-Tape™ Heating Element:

Element construction starts with two layers of braided AMOX™ yarn over fine stranded resistance wires to form the element conductor. Then, the conductors are knitted into the serpentine flat tape element. The final installation of braided AMOX™ or Fiberglass braid supports and separates the 2, 3 or 4 element laps, providing additional dielectric strength and durability. Fiberglass ties are stitched on each end for attaching convenience.

Standard Sizes, Voltages and Watt-Densities:

Duo-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.

DIMENSIONS	
SIZE (US)	SIZE (CM)
1.0" X 2'	2.5 X 060
1.0" X 4'	2.5 X 120
1.0" X 6'	2.5 X 180
1.0" X 8'	2.5 X 240
1.0" X 10'	2.5 X 300
1.5" X 2'	1.3 X 060
1.5" X 4'	2.5 X 120
1.5" X 6'	2.5 X 180
1.5" X 8'	2.5 X 240
1.5" X 10'	2.5 X 300
2.0" X 2'	5.1 X 60
2.0" X 4'	5.1 X 120
2.0" X 6'	5.1 X 180
2.0" X 8'	5.1 X 240
2.0" X 10'	5.1 X 300

WIDE HEAVY HIGH WATT DENSITY 13 WSI			
MODEL 120V	MODEL 240V	WATTS	MAX TEMP
AWH-171-020	AWH-172-020	312	
AWH-171-040	AWH-172-040	624	
AWH-171-060	AWH-172-060	936	
AWH-171-080	AWH-172-080	1248	
	AWH-172-100	1560	
AWH-251-020	AWH-252-020	468	
AWH-251-040	AWH-252-040	936	
AWH-251-060	AWH-252-060	1404	
AWH-251-080	AWH-252-080	1872	
	AWH-252-100	2340	
	AWH-252-020		
	AWH-252-040		
	AWH-252-060		
	AWH-252-080 ¹		
	AWH-252-100 ¹		

WIDE HEAVY MEDIUM DENSITY 8.67 WSI			
MODEL 120V	MODEL 240V	WATTS	MAX TEMP
AIH-051-020	AIH-052-020	104	
AIH-051-040	AIH-052-040	208	
AIH-051-060	AIH-052-060	312	
AIH-051-080	AIH-052-080	416	
AIH-051-100	AIH-052-100	520	
	AIH-052-120	624	
AIH-101-020	AIH-102-020	208	
AIH-101-040	AIH-102-040	416	
	AIH-102-060	624	
	AIH-102-080 ¹	832	
	AIH-102-100 ¹	1040	

¹These Tapes have 2 sets of Lead Wires due to Amps. Optional Plugs may be molded or commercially available type. Call or Email for assistance.



EASY AND ACCURATE "WM" WALL MOUNT OR "BT" BENCH TOP CONTROLLERS



LOW COST LCZ ADJUSTABLE RHEOSTAT TYPE SWITCHES

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.

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