

## Duo-Tape® Heavy Insulated Heating Tapes

- Lead Wires on One End
- Heavy Braided AMOX™ Outer Cover
- 1400°F (760°C) High Temperature Capability
- Robust & Flexible Knitted Serpentine Element
- Off the Shelf, 13, 8.67 or 3.25 Watts/in<sup>2</sup> versions
- 120V or 240V 1PH, Two Wire Hook-Up

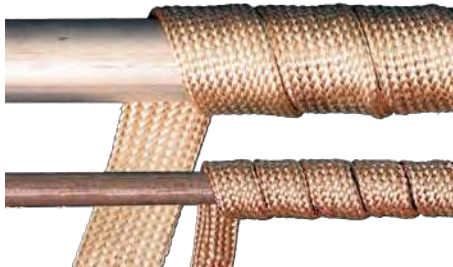


Duo-Tape® Flexible Heating Tapes are available in many standard sizes. Contact HTS/Amptek® and receive professional assistance for your application. Call 281.340.9800 USA central time. Email [info@heatingtapes.com](mailto:info@heatingtapes.com)

Duo-Tapes® are offered in three different outputs per inch<sup>2</sup>, high watt density at 13 WSI, medium watt density at 8.67 WSI and low watt density at 3.25 WSI. Other, special output heaters, may be special ordered.



The Duo-Tape® (dual element) Serpentine configuration. Lead Wires may conveniently exit from one end.



1" WIDE TAPES MAY BE WRAPPED ON DIAMETERS AS SMALL AS ¾"

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® Knitted Serpentine Construction:

Element construction begins with 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)
- **Very Flexible**  
Knitting yields ultimate flexibility. ½" wide tapes may be easily applied to diameters as small as ¼".

### Ni-Chrome Element Formula:

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

### Heavy Braided AMOX™ Outer Slewing:

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.

Visit us on the web for product information, or place a store order. Or, call with questions... we have answers!

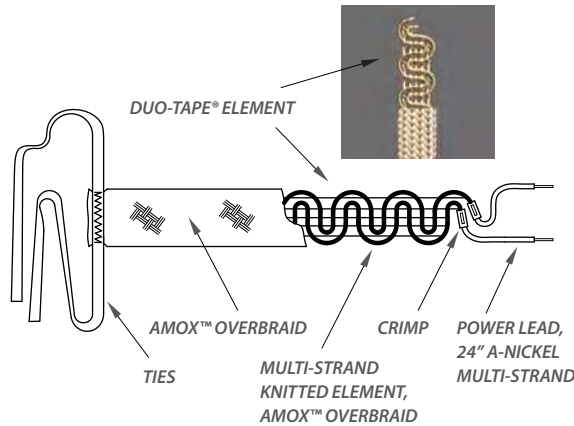


**HTS/Amptek® Company**  
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 011.281.340.9800

# Duo-Tape® Heavy Insulated Heating Tapes

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## Duo-Tape® Assembly Features



### Knitted Duo-Tape® Heating Element:

Element construction starts with two layers of braided AMOX™ yarn over fine stranded resistance wires to form the element conductor. Then, two conductors are knitted side by side into the serpentine flat tape configuration. The final installation of braided AMOX™ gives 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.

### Power Leads on one end:

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

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DIMENSIONS		DUOTAPE® HIGH DENSITY 13 WSI			DUOTAPE® MEDIUM DENSITY 8.67 WSI			DUOTAPE® LOW DENSITY 3.25 WSI		
SIZE (US)	SIZE (CM)	MODEL 120V	MODEL 240V	WATTS	MODEL 120V	MODEL 240V	WATTS	MODEL 120V	MODEL 240V	WATTS
.5" X 2'	1.3 X 060	AWH-051-020D	AWH-052-020D	156	AWH-051-020DM	AWH-052-020DM	104	AWH-051-020DL	AWH-052-020DL	39
.5" X 4'	1.3 X 120	AWH-051-040D	AWH-052-040D	312	AWH-051-040DM	AWH-052-040DM	208	AWH-051-040DL	AWH-052-040DL	78
.5" X 6'	1.3 X 180	AWH-051-060D	AWH-052-060D	468	AWH-051-060DM	AWH-052-060DM	312	AWH-051-060DL	AWH-052-060DL	117
.5" X 8'	1.3 X 240	AWH-051-080D	AWH-052-080D	624	AWH-051-080DM	AWH-052-080DM	416	AWH-051-080DL	AWH-052-080DL	156
.5" X 10'	1.3 X 300		AWH-052-100D	780	AWH-051-100DM	AWH-052-100DM	520	AWH-051-100DL	AWH-052-100DL	195
.5" X 12'	1.3 X 360		AWH-052-120D	936		AWH-052-120DM	624	AWH-051-120DL	AWH-052-120DL	234
.5" X 16'	1.3 X 480		AWH-052-160D	1248		AWH-052-160DM	832	AWH-051-160DL	AWH-052-160DL	312
1" X 2'	2.5 X 060	AWH-101-020D	AWH-102-020D	312	AWH-101-020DM	AWH-102-020DM	208	AWH-101-020DL	AWH-102-020DL	78
1" X 4'	2.5 X 120	AWH-101-040D	AWH-102-040D	624	AWH-101-040DM	AWH-102-040DM	416	AWH-101-040DL	AWH-102-040DL	156
1" X 6'	2.5 X 180		AWH-102-060D	936		AWH-102-060DM	624	AWH-101-060DL	AWH-102-060DL	234
1" X 8'	2.5 X 240		AWH-102-080D	1248		AWH-102-080DM	832	AWH-101-080DL	AWH-102-080DL	312
1" X 10'	2.5 X 300					AWH-102-100DM	1040		AWH-102-100DL	385
1" X 12'	2.5 X 360								AWH-102-120DL	468
1" X 16'	2.5 X 480								AWH-102-160DL	624



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 HTS/Amptek®, or your representative, for a custom Duo-Tape® or Controller...

### To Order or Additional information:

Visit our store on the web. Or, call 281.340.9800 USA central time. Email info@heatingtapes.com



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