

## AWD & AWM Industrial Duo-Tape®

- Sleeved, 48" Lead Wires with Lug Terminals
- AWD = Leads one end AWM = Leads each end
- Heavy Braided AMOX™ Outer Cover
- 1200°F (649°C) High Temperature Capability
- 8.67 Watts/in<sup>2</sup> (1.34 Watts/cm<sup>2</sup>) medium density
- Extra Long Lengths to 52ft (15.85m)
- 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

Industrial Duo-Tape® models are available from stock, or active production. The long lengths and the medium watt density are best suited for industrial and process applications



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

The Heavy AMOX™ fabric overbraid provides dielectric strength and the ultimate temperature sustainability available for any flexible, electric heater product.



INDUSTRIAL HEATING TAPES APPLIED TO A "Y" MELT PIPE, WITH A TUBULAR INSULATOR INSTALLED OVER TOP.

Rugged and Flexible... Industrial Duo-Tapes® are ideal to wrap onto tubular shapes such as melt pipes, tanks and vessels and hoses. A fast solution for process surface heating, Industrial Duo-Tapes® may be quickly procured and easily installed.

### Knitted Serpentine Construction:

Element construction begins with knitting the stranded conductor to form the flat Duo-Tape® 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 1200°F (649°C) AMOX™ Outer Slewing:

The added outer cover provides dielectric and abrasion protection. Heavy Industrial Duo-Tapes® may be used on conductive surfaces such as metal tubing. Max exposure to 1400°, de-energized.

### 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!

Custom designs are available for all common voltages from 120 to 480. Special order DC circuits are available, such as 12 and 24 volts.

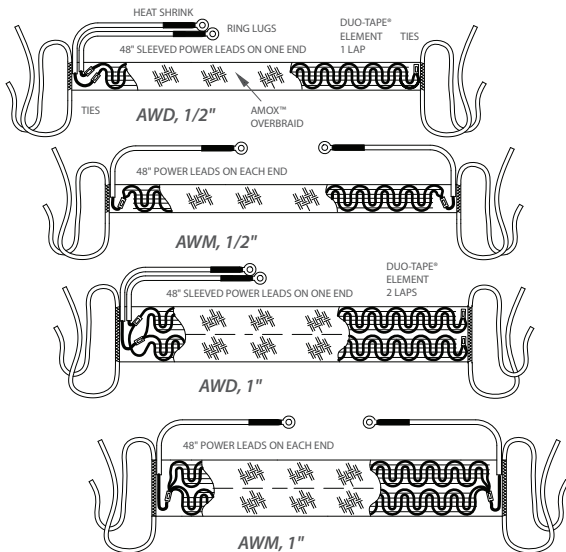


HTS/Amptek® Company  
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800.965.4316  
011.281.340.9800

# AWD & AWM Industrial Duo-Tape® Heavy

heatingtapes.com

## Industrial 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.



CUT-AWAY

## Standard Sizes, Voltages and Watt-Densities:

Industrial Duo-Tapes® are available in many off-the-shelf configurations. AWD tapes have lead wires on one end while AWM tapes are on each end. All leads are sleeved, 48" long with heat-shrink and Ring Lug terminations. 120V or 240V/1ph are standard. The heat output is 8.67 watts/in<sup>2</sup> (1.32 watts/cm<sup>2</sup>) which is considered a "medium" density.

## Custom Sizes, Voltages and Watt-Densities:

Quick turn around is available for custom voltages, such to 480V/1ph, or specific lengths, watts, or lead configurations. Contact HTS/Amptek®.

## Custom configurations:

Armor and connectors are the most common requests, however, more complex requests such as built in jumpers and installed Thermocouples or RTD Sensors will be considered. Contact HTS/Amptek® for fast, competent and knowledgeable design assistance.



ARMORED LEAD WITH NEMA5-15 PLUG



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



MULTI-CIRCUIT CONTROL PANELS CAN OFFER HIGHER AMP SOLUTIONS

## Industrial Duo-Tapes® must be controlled:

Industrial style AWD or AWM heaters are "constant watt" and must be regulated to achieve your target temperature without overheating. The simple, single zone PID control consoles provide off-the-shelf precise control. Please see our BT (bench-top) and WM (wall-mount) Thermocouple or RTD sensor PID consoles. For multi-circuits, or high amp loads, a control panel may be the best option.

CONFIGURATION DIMENSIONS		
	SIZE (US)	SIZE (CM)
	.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
	.5" X 16'	1.3 X 480
	.5" X 20'	1.3 X 600
	.5" X 24'	1.3 X 720
	.5" X 32'	1.3 X 960
		1" X 4'
1" X 6'		2.5 X 180
1" X 8'		2.5 X 240
1" X 10'		2.5 X 300
1" X 12'		2.5 X 360
1" X 16'		2.5 X 480
1" X 20'		2.5 X 600
1" X 24'		2.5 X 720
1" X 32'		2.5 X 960

AWD & AWM INDUSTRIAL 8.67 WSI		
MODEL 120V	MODEL 240V	WATTS
AWD-051-040	AWD-052-040	208
AWD-051-080	AWD-052-080	312
AWD-051-080	AWD-052-080	416
AWD-051-100	AWD-052-100	520
AWM-051-120	AWD-052-120	624
AWM-051-160	AWD-052-160	832
AWM-051-200	AWD-052-200	1040
	AWM-052-240	1248
	AWM-052-320	1664
AWD-551-040	AWD-552-040	416
AWD-551-060	AWD-552-060	624
AWD-551-080	AWD-552-080	832
AWD-551-100	AWD-552-100	1040
AWM-551-120	AWD-552-120	1248
AWM-551-160	AWD-552-160	1664
AWM-551-200	AWD-552-200	2080
	AWM-552-240	2498
	AWM-552-320	3328

Contact HTS/Amptek®, or your representative, for a custom Duo-Tape® or Control Solution...

## To Order or Additional information:

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