

## ASR Duo-Tape® Silicone Rubber Extruded Tapes

- Lead Wires on One End (Plug is optional)
- Extruded Silicone Rubber Outer Cover
- 450°F (232°C) High Temperature Capability
- Moisture Resistant Construction
- Off the Shelf, 4.33 Watts/in<sup>2</sup> Heat Density
- 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)

ASR Duo-Tape® standard models are available from stock, or active production. The power output watt density is 4.33 watts per inch<sup>2</sup>. Other, custom heaters may be special ordered with short cycle delivery.



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

The Heavy Silicone Rubber Extrusion uses a low durometer, high flexibility formula, with heat additives to produce the maximum exposure and continuous operating temperature capability.



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

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

Custom designs are available to 50' long and all common voltages. Special order DC circuits are available, such as 12 and 24 volts.

ASR 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.

### Moisture Resistant Outer Extrusion:

The added outer cover provides moisture, dielectric and abrasion protection. Use ASR Duo-Tapes® on conductive surfaces such as metal tubing. Do not submerge in liquid.

### 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!

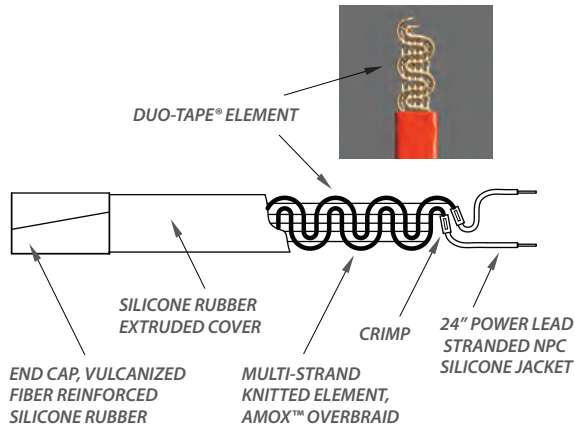


**HTS/Amptek® Company**  
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 800.965.4316  
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# ASR Duo-Tape® Silicone Rubber Extruded

heatingtapes.com

## ASR Duo-Tape® Assembly Features



Custom configurations include adding Armor, Sensors Thermostats and more. Contact HTS/Amptek® for your ideal application solution.



PROCESS SENSOR LOCATED BESIDE THE ELEMENT



POWER LEAD WITH ARMOR AND PLUG



POWER LEAD WITH ARMOR AND PLUG



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.

### 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 a rugged, flexible serpentine flat tape configuration. Then a flexible Silicone Rubber, is extruded over the Duo-Tape® element providing moisture and dielectric protection.

### 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, Plug is Optional

DIMENSIONS		ASR SILICONE DUO-TAPE® 4.33 WSI (.67 WSCM)			
SIZE (US)	SIZE (CM)	MODEL 120V	MODEL 240V	WATTS	MAX TEMP
.5" X 2'	1.3 X 060	ASR-051-020D	ASR-052-020D	52	
.5" X 4'	1.3 X 120	ASR-051-040D	ASR-052-040D	104	
.5" X 6'	1.3 X 180	ASR-051-060D	ASR-052-060D	156	
.5" X 8'	1.3 X 240	ASR-051-080D	ASR-052-080D	208	
.5" X 10'	1.3 X 300	ASR-051-100D	ASR-052-100D	260	
.5" X 12'	1.3 X 360	ASR-051-120D	ASR-052-120D	312	
.5" X 14'	1.3 X 420	ASR-051-140D	ASR-052-140D	364	
.5" X 16'	1.3 X 480	ASR-051-160D	ASR-052-160D	416	
.5" X 18'	1.3 X 540	ASR-051-180D	ASR-052-180D	468	
.5" X 20'	1.3 X 600	ASR-051-200D	ASR-052-200D	520	
.5" X 24'	1.3 X 720	ASR-051-240D	ASR-052-240D	624	
1" X 2'	2.5 X 060	ASR-101-020D	ASR-102-020D	104	
1" X 4'	2.5 X 060	ASR-101-040D	ASR-102-040D	208	
1" X 6'	2.5 X 120	ASR-101-060D	ASR-102-060D	312	
1" X 8'	2.5 X 180	ASR-101-080D	ASR-102-080D	416	
1" X 10'	2.5 X 240	ASR-101-100D	ASR-102-100D	520	
1" X 12'	2.5 X 360	ASR-101-120D	ASR-102-120D	624	
1" X 14'	2.5 X 420	ASR-101-140D	ASR-102-140D	728	
1" X 16'	2.5 X 480	ASR-101-160D	ASR-102-160D	832	
1" X 18'	2.5 X 540	ASR-101-180D	ASR-102-180D	936	
1" X 20'	2.5 X 600	ASR-101-200D	ASR-102-200D	1040	

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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