

## SRD Industrial Silicone Rubber Duo-Tape®

- Sleeved, 48" Lead Wires on One End
- Extruded Silicone Rubber Outer Cover
- 450°F (232°C) High Temperature Capability
- Moisture Resistant Construction
- 2.5 Watts/in<sup>2</sup> (.388 Watts/cm<sup>2</sup>) low watt 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](mailto:info@heatingtapes.com)

SRD Industrial Duo-Tape® models are available from stock, or active production. The low watt density is 2.5 watts per inch<sup>2</sup>. This lower density is still much higher than typical cable type trace heaters.



The unique 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 sustain maximum temperature durability.



WRAP 1" WIDE TAPES ON DIAMETERS AS SMALL AS ¾"



WRAP ½" WIDE TAPES ON DIAMETERS AS SMALL AS ¼"

Rugged and Flexible, SRD Silicone Rubber Duo-Tapes® easily form to surfaces, allowing smooth, tight fit which is ideal for optimum heat transfer.



SILICONE TAPE APPLIED TO A TOTE USING ALUMINUM FOIL TAPE

### Duo-Tape® Knitted and Extruded 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 Length, Lower Watt Density**  
SRD tapes having 2.5 WSI, are available in longer lengths up to 52' long. 30 Watts per foot constant watt is ideal for process heating.
- **Very Flexible**  
Knitting yields ultimate flexibility. ½" wide tapes may be easily applied to diameters as small as ¼".

### Ni-Chrome and Cu-Ni Element Formulas:

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 SRD Industrial 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!

# SRD Industrial Duo-Tape® Silicone Rubber Extruded

## SRD Duo-Tape® Assembly Features

- DUO-TAPE® KNITTED ELEMENT
- SILICONE RUBBER OVER-EXTRUSION
- 48" SILICONE POWER LEADS, SLEEVED
- NICKEL CRIMP CONNECTIONS
- VULCANIZED END CAPS



SRD, 1/2" WIDE TAPE CUT-AWAY

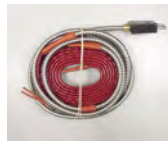


SRD, 1" WIDE TAPE CUT-AWAY

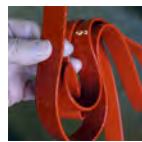
Custom configurations include adding Armor, Sensors, Thermostats and more. Contact HTS/Amptek® for knowledgeable design assistance



PROCESS SENSOR LOCATED BESIDE THE ELEMENT



POWER LEAD WITH ARMOR AND PLUG



FLEXIBLE "BULK" HEATING TAPE ELEMENT



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



LOW COST LCZ ADJUSTABLE RHEOSTAT TYPE SWITCHES

### SRD Duo-Tapes® must be controlled:

Industrial style SRD 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 PID consoles. For multi circuits, a control panel may be a good option.

### 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 jacket is extruded over the Duo-Tape® element to provide moisture and dielectric protection.

### Standard Sizes, Voltages and Watt-Density:

Duo-Tapes® are available in many lengths. Please see below.

### Custom Sizes, Voltages and Watt-Densities:

Custom lengths, watts, volts or lead wires may be special ordered for quick turn around.

### 48" Sleeved Power Leads on one end:

Plugs and other Lead configurations may be special ordered.

CONFIGURATION DIMENSIONS			SRD INDUSTRIAL SILICONE 2.5 WSI			
	SIZE (US)	SIZE (CM)	MODEL 120V	MODEL 240V	WATTS	
	.5" X 6'	1.3 X 180	SRD-051-060	SRD-052-060	90	
	.5" X 8'	1.3 X 240	SRD-051-080	SRD-052-080	120	
	.5" X 10'	1.3 X 300	SRD-051-100	SRD-052-100	150	
	.5" X 12'	1.3 X 360	SRD-051-120	SRD-052-120	180	
	.5" X 16'	1.3 X 480	SRD-051-160	SRD-052-160	240	
	.5" X 20'	1.3 X 600	SRD-051-200	SRD-052-200	300	
	.5" X 24'	1.3 X 720	SRD-051-240	SRD-052-240	360	
	.5" X 32'	1.3 X 960	SRD-051-320	SRD-052-320	480	
	.5" X 42'	1.3 X 1280	SRD-051-420	SRD-052-420	630	
	.5" X 52'	1.3 X 1580	SRD-051-520	SRD-052-520	780	
		1" X 6'	2.5 X 180	SRD-101-060	SRD-102-060	180
		1" X 8'	2.5 X 240	SRD-101-080	SRD-102-080	240
1" X 10'		2.5 X 300	SRD-101-100	SRD-102-100	300	
1" X 12'		2.5 X 360	SRD-101-120	SRD-102-120	360	
1" X 16'		2.5 X 480	SRD-101-160	SRD-102-160	480	
1" X 20'		2.5 X 600	SRD-101-200	SRD-102-200	600	
1" X 24'		2.5 X 720	SRD-101-240	SRD-102-240	720	
1" X 32'		2.5 X 960		SRD-102-320	960	
1" X 42'		2.5 X 1280		SRD-102-420	1260	
1" X 52'		2.5 X 1580		SRD-102-520	1560	

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