



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/in² Heat Density
- 120V or 240V 1PH, Two Wire Hook-Up

ASR Duo-Tape® standard models are available from stock, or active production. The power output watt density is 4.33 watts per inch². 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 3/4".

1/2" WIDE TAPES MAY BE WRAPPED ON DIAMETERS AS SMALL AS 1/4"

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® Flexible Heating Tapes are available in many standard sizes.

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. 1/2" wide tapes may be easily applied to diameters as small as 1/4".

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.

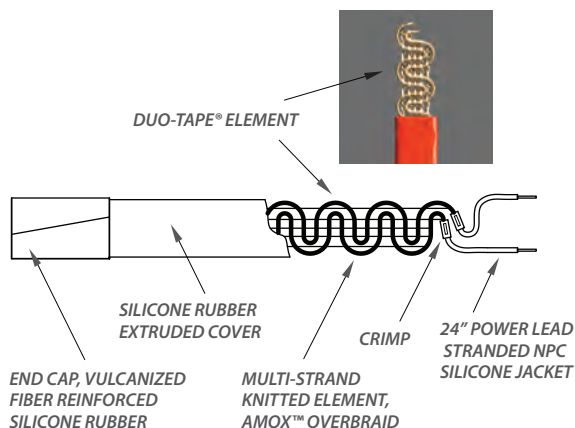
Manufactured in the USA... Quick Response to Custom Requests:

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, or consider using a Heating Jacket for ease of install and removal.



ASR Duo-Tape® Silicone Rubber Extruded

ASR Duo-Tape® Assembly Features



PROCESS SENSOR
LOCATED BESIDE
THE ELEMENT



POWER LEAD
WITH ARMOR AND
PLUG



POWER LEAD
WITH ARMOR AND
PLUG



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.

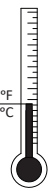
Standard Sizes, Voltages and Watt-Densities:

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 | |

