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.

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 Sensoror, or consider using a Heating Jacket for ease of install and removal.
ASR Duo-Tape®
Silicone Rubber Extruded

ASR 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 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

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

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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