Standard Insulated Mono-Tape™ Heating Tapes

- 24" Lead Wires on Each End
- AW0 1400°F (760°C) AMOX™ Yarn (no sleeve cover)
- AI0 900°F (482°C) Fiberglass Yarn (no sleeve cover)
- Robust & Flexible Knitted Serpentine Element
- 13 Watts/in² or 8.67 Watts/in² versions
- USE ON NON-CONDUCTIVE SURFACES ONLY

Mono-Tapes™ are offered in two designs; High Temperature, high watt density at 13 WSI, and medium temperature, medium watt density at 8.67 WSI. Other, custom designs, may be special ordered.

The Mono-Tape™ (single element) Serpentine configuration. Lead Wires exit from one end. For wiring convenience, see Duo-Tapes®

1" WIDE TAPES MAY BE WRAPPED ON DIAMETERS AS SMALL AS ¼".

⅛" WIDE TAPES MAY BE WRAPPED ON DIAMETERS AS SMALL AS ⅛"

Knitted Serpentine Construction:
Element construction begins with knitting the stranded conductor 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.

Braided Element 1400°F AMOX™ or 900°F Fiberglass:
The multi-strand element is covered with a braided yarn. Unlike our other models, there is no additional sleeving over the knitted element.

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!

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Standard Insulated Mono-Tape™ Heating Tapes

Standard Mono-Tape™ Assembly Features

Knitted Heating Element:
Element construction starts with two layers of braided AMOX™ yarn over fine stranded resistance wire to form the element conductor. The finished conductor is knitted to the serpentine flat tape configuration. No overbraid is installed, therefore the heaters may not be used on conductive surfaces such as steel and copper. Use on glass or other nonconductive surfaces. fiberglass ties are stitched on each end for attaching convenience.

Standard Sizes, Voltages and Watt-Densities:
Standard Mono-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 each end:
Standard length is 24”. Custom lengths may be special ordered.

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.

Note on Wiring Convenience:
Mono-Tapes™ have lead wires on each end. Once installed, the location of the leads may require a jumper or other additional wiring to reach the controller, junction or terminal strip.