

## Heavy Insulated Heating Tape

### Description:

HTS/Amptek® Heavy Insulated Heating Tapes are low watt density, high temperature electric heaters in tape form. They are very flexible and are covered with an outer heavy braid for mechanical and dielectric protection. Use on glass, ceramic or metal.



### High Temperature Capability

**1400°F AMOX® Yarn Insulation:**

AWH style tapes may be operated to 1400°F, with de-energized exposures to 1600°F.

**900°F Fiberglass Yarn Insulation:**

AIH laboratory style tapes may be operated to 900° F, with de-energized exposures to 1000° F.

### Low Watt Density Design

**13 Watts/in<sup>2</sup>:**

AWH AMOX® laboratory style tapes are rated at 13 watts/in<sup>2</sup>.

**8.67 Watts/in<sup>2</sup>:**

AIH Fiberglass laboratory style tapes are rated at 8.67 watts/in<sup>2</sup>.

### Knitted, Serpentine, Construction

**Minimized Expansion, Vibration and Thermal Stress:**

Unlike other straight element tapes, HTS/Amptek tapes are knitted into sine wave configurations. The element is cushioned and supported by knitted warp fabric as it expands evenly in all directions rather than one.

**Longer Life:**

Knitting puts more element length into a given area, providing longer life through better distribution of heat. (lower watts per inch of wire)

**Flexible:**

Knitting yields ultimate flexibility.

### Multi-Strand Wire Element

**High Temperature and Flexible:**

All HTS/Amptek tape elements are bundled fine strand resistance wire, 36 to 40 gauge, covered with a minimum of two layers of braided AMOX® yarn.

### Heavy Braided Outer Cover

**Heavy Amox® Yarn:**

The heavy braided outer cover provides added abrasion and dielectric protection for the element. Heavy insulated tapes may be used on conductive surfaces, such as metal tubing etc., in addition to ceramic and glassware.

### Lead Wires, High Temperature

**2 Ft. Leads on Each End:**

The multi-strand, 'A' Nickel conductor is covered with two layers of AMOX® yarn and impregnated with a high temperature binder.