

Duo-Tape[®] Heavy Insulated Tape

Description:

HTS/Amptek Duo-Tape[®] heaters are high temperature, flexible electric heating elements. A unique dual element circuit design allows the convenience of power leads on one end. Duo-Tapes[®] may be used on conductive surfaces as well as ceramic or glass.



High Temperature Capability

1400°F AMOX[®] Yarn Insulation:

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

High, Medium and Low Watt Density, Standard Designs

13 Watts/Inch² 8.67 Watts/Inch² 3.25 Watts/Inch²

Duo-Tape[®] laboratory style heating tapes are offered in three standard watt densities; 'D' high @ 13 WSI
'DM' medium @ 8.67 WSI
'DL' low @ 3.25 WSI

Power Leads on One End

Duo-Tape[®]

The unique, dual element circuit design allows the leadwires to exit from one end. (see reverse side)

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. Duo-Tapes[®] may be used on conductive surfaces, such as metal tubing etc., in addition to nonconducting ceramic and glassware.

Lead Wires, High Temperature

2 Ft. Leads on One End:

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