

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 direc-

Longer Life:

Flexible:

tions rather than one.

Knitting puts more element length into a given area, providing longer life through

better distribution of heat. (lower watts

per inch of wire)

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 noncon-

ducting 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.

Duo-Tape® (leads on the same end) Heavy Insulated Heating Tapes



Duo-Tape® Element-

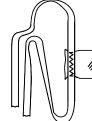
Two wires knitted side-by-side. Each made of multi-strand Ni-Chrome Alloy, covered with two layers of braided AMOX™

High Temperature 24 mechanical wir connector.

Heating Tape Basic Construction:

HTS/Amptek® tape construction begins by first: double braiding high temperature AMOXtm yarn over multiple strands of fine resistance wire, then second: knitting the assembly into a tight, serpentine configuration, forming a flat tape.

Duo-Tape® Heavy Insulated Tapes Feature the element construction of other tapes, except that two elements are knitted side by side as shown. This improved arrangement allows the two elements to be connected in series at one end and the leads to exit the other. The tape element is covered by an AMOXtm, braided outer jacket. All 120v tapes offer an optional plug.



AMOX^M Braided Outer Cover Tie laces are provided to secure the tape to the surface to be heated.

24" A-Nickel Leadwire, with double **AMOX**TM cover and binder coat.

'D', High Watt Density 13 W/in², 1400°F (760°C) Max			'DM', Medium Watt Density 8.66 W/in², 1400°F (760°C) Max			'DL', Low Watt Density 3.25 W/in², 1400°F (760°C) Max				
Catalog Number	•		Catalog Number		,	,	•	,	Size (US)	Metric (cm)
AWH-051-020D	156	120	AWH-051-020DM	104	120	AWH-051-020DL	39	120	.5" X 2'	1.3 X 060
AWH-051-040D AWH-051-060D	312 468	120 120	AWH-051-040DM AWH-051-060DM	208 312	120 120	AWH-051-040DL AWH-051-060DL	78 117	120 120	.5" X 4' .5" X 6'	1.3 X 120 1.3 X 180
AWH-051-080D	624	120	AWH-051-080DM	416	120	AWH-051-080DL	156	120	.5" X 8'	1.3 X 240
AWH-052-100D AWH-052-120D	780 936	240 240	AWH-051-100DM AWH-052-120DM	520 624	120 240	AWH-051-100DL AWH-051-120DL	195 234	120 120	.5" X 10' .5" X 12'	1.3 X 300 1.3 X 360
AWH-052-160D	832	240	AWH-052-160DM	832	240	AWH-051-160DL	312	120	.5" X 16'	1.3 X 480
AWH-101-020D AWH-101-040D	312 624	120 120	AWH-101-020DM AWH-101-040DM	208 416	120 120	AWH-101-020DL AWH-101-040DL	78 156	120 120	1" X 2' 1" X 4'	2.5 X 060 2.5 X 120
AWH-102-060D	936	240	AWH-102-060DM	624	240	AWH-101-060DL	234	120	1" X 6'	2.5 X 180
AWH-102-080D	1248	240	AWH-102-080DM AWH-102-100DM	832 986	240 240	AWH-101-080DL AWH-102-100DL	312 385	120 240	1" X 8' 1" X 10'	2.5 X 240 2.5 X 300
						AWH-102-120DL AWH-102-160DL	468 624	240 240	1" X 12' 1" X 16'	2.5 X 360 2.5 X 480

Plugs are not standard. (optional on 120 Volt tapes) Most sizes are available in 240V... see pricelist for complete listing.

To Order or Additional Information: Contact your local HTS/Amptek® Representative or Distributor or call us direct.

Special Designs Available:

Contact HTS/Amptek® for custom configurations. Typical modifications are length, width, watts, volts, ohms, lead length, plugs and insulation type.

Accessories Available From HTS/Amptek®:

High temperature accessories such as additional lead wire, crimp connectors, insulating tape and temperature controls provide the convenient pieces to quickly perform your task.

www.heatingtapes.com



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