

## Industrial, Heavy Insulated Mono-Tape™ and Duo-Tape®



### Description:

HTS/Amptek AWD and AWM Heating Tapes are Single and Double Duo-Tapes® designed for use in high temperature applications. AWD and AWM Heating Tapes are ideal for Industrial Applications where temperature requirements are beyond the capabilities of elastomer insulated cables and tapes.

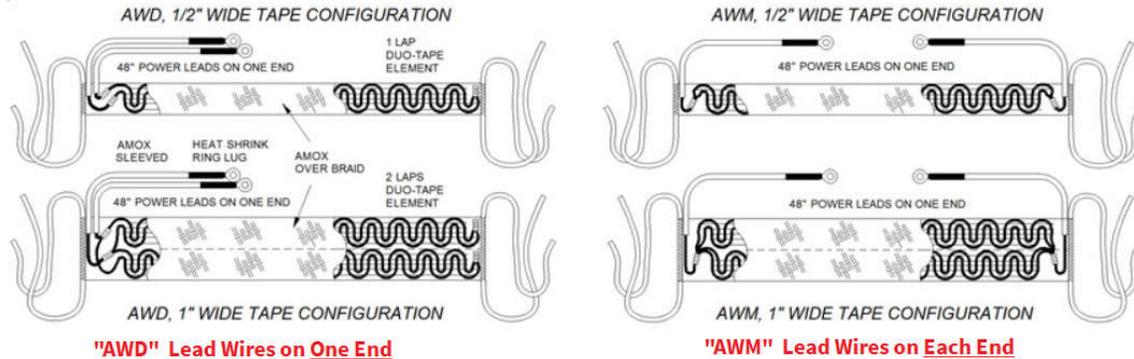
High Temperature Capability	1200°F AMOX™ Yarn Insulation	Heating tapes may be operated to 1200°F (650°C), with de-energized exposures to 1400°F (760°C).
High Watt Density Design	8.67 Watts/ Inch <sup>2</sup>	Industrial style heating at 120 or 240 Volts.
Power Leads on One End	Duo-Tape® Design	A unique, dual element circuit design allows the lead wires to exit from one end of the tape.
Knitted, Serpentine Construction	Minimized Expansion, Vibration and Thermal Stress	HTS/Amptek heating tapes are knitted into a sine wave configuration. The element is cushioned and supported by knitted warp fabric as it expands evenly in all directions.
	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).
	Flexibility	Knitting yields maximum flexibility.
Multi-Strand Wire Element	High Temperature and Flexible	All HTS/Amptek tape elements are bundled, fine strand, resistance wire, 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® are designed for use on conductive as well as non-conductive surfaces.
High Temperature Lead Wires	48 inch (1.2M) Leads on One End	The multiple-strand, nickel alloy conductor is covered with two layers of braided AMOX™ yarn, impregnated with a high temperature binder and protected by HO sleeving.

# Industrial, Heavy Insulated Mono-Tape™ and Duo-Tape®

## Heating Tape Basic Construction:

HTS/Amptek® tape construction begins by double braiding high temperature AMOX™ yarn over multiple strands of fine resistance wire, then knitting the assembly in a tight, serpentine configuration, forming a flat, flexible tape.

Duo-Tape® Heavy Insulated Tapes Feature the element construction of other tapes, except it incorporates two elements knitted side by side. This improved arrangement allows the two elements to be connected in series at one end of the tape and the power leads to exit the other. The tape element is covered by an AMOX™, braided outer jacket.



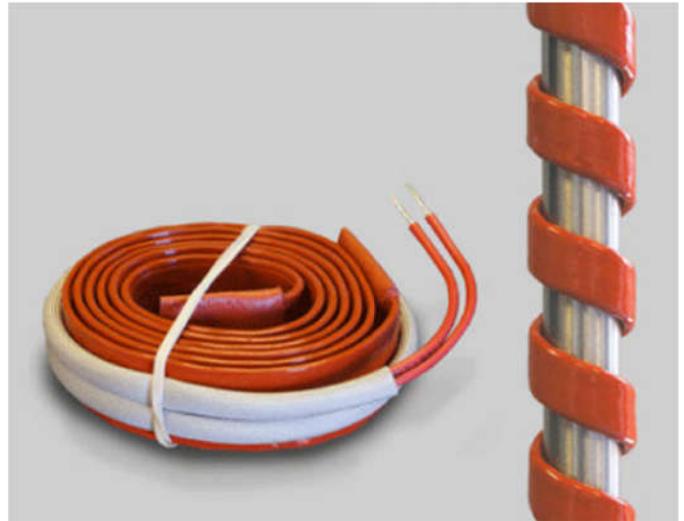
<b>1/2" Wide Industrial AWD or AWM Tapes</b> These standard sizes are available from stock or short turn around. Special Configurations are available: <ul style="list-style-type: none"> <li>• Specific tape lengths</li> <li>• Specific wattage or voltage</li> <li>• Specific length power leads</li> <li>• Addition of power connector</li> <li>• Addition of temperature sensor</li> </ul> *NOTE: Lead Wires on these tapes are on EACH end, not on one end. NOTE: 240V tapes may be operated on 208 (75% rated output) to 277 (133% rated output) volts.	<b>LENGTH</b>	<b>WATTS</b>	<b>120V MODEL NO.</b>	<b>AMPS</b>	<b>240V MODEL NO.</b>	<b>AMPS</b>
	04 ft (1.2m)	208	AWD-051-040	1.7	AWD-052-040	0.9
	06 ft (1.8m)	312	AWD-051-060	2.6	AWD-052-060	1.3
	08 ft (2.4m)	416	AWD-051-080	3.5	AWD-052-080	1.7
	10ft (3.0m)	520	AWD-051-100	4.3	AWD-052-100	2.2
	12ft (3.6m)	624	AWM-051-120*	5.2	AWD-052-120	2.6
	16ft (4.8m)	832	AWM-051-160*	6.9	AWD-052-160	3.5
	20ft (6.0m)	1040	AWM-051-200*	8.7	AWD-052-200	4.3
	24ft (7.2m)	1248			AWM-052-240*	5.2
	32ft (9.6m)	1664			AWM-052-320*	6.9
<b>1" Wide Industrial AWD or AWM Tapes</b> These standard sizes are available from stock or short turn around. Special Configurations are available: <ul style="list-style-type: none"> <li>• Specific tape lengths</li> <li>• Specific wattage or voltage</li> <li>• Specific length power leads</li> <li>• Addition of power connector</li> <li>• Addition of temperature sensor</li> </ul> *NOTE: Lead Wires on these tapes are on EACH end, not on one end. NOTE: 240V tapes may be operated on 208 (75% rated output) to 277 (133% rated output) volts.	<b>LENGTH</b>	<b>WATTS</b>	<b>120V MODEL NO.</b>	<b>AMPS</b>	<b>240V MODEL NO.</b>	<b>AMPS</b>
	04 ft (1.2m)	416	AWD-551-040	3.5	AWD-552-040	1.7
	06 ft (1.8m)	624	AWD-551-060	5.2	AWD-552-060	2.6
	08 ft (2.4m)	832	AWD-551-080	6.9	AWD-552-080	3.5
	10ft (3.0m)	1040	AWD-551-100	8.7	AWD-552-100	4.3
	12ft (3.6m)	1248	AWM-551-120*	10.4	AWD-552-120	5.2
	16ft (4.8m)	1664	AWM-551-160*	13.9	AWD-552-160	6.9
	20ft (6.0m)	2080	AWM-551-200*	17.3	AWD-552-200	8.7
	24ft (7.2m)	2496			AWM-552-240*	10.4
32ft (9.6m)	3328			AWM-552-320*	13.9	

HTS/Amptek Company  
 P.O. Box 1381  
 Stafford, TX 77497 USA  
 Phone: 281.340.9800  
 Fax: 281.340.9811

## Industrial, Silicone Rubber Duo-Tape®

### Description:

HTS/Amptek SRD, Silicone Rubber Extruded Duo-Tapes® are ideal for industrial applications that require continuous heat for process temperature maintenance. SRD Tapes can be employed where temperature requirements are beyond the capabilities of elastomer insulated cables and tapes. SRD Duo-Tapes® have a constant output of 15 watts per foot in 1/2" wide, and 30 watts per foot in 1" wide configuration.



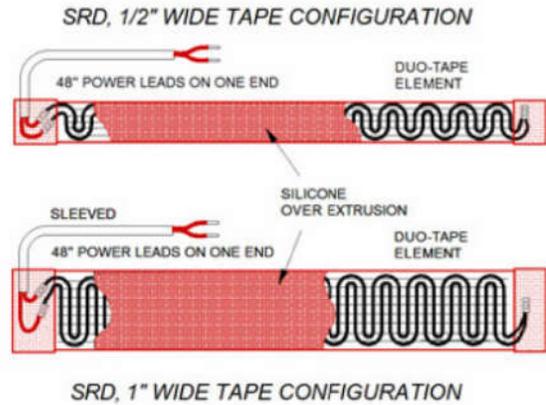
High Temperature Capability	450°F Continuous Silicone Rubber Extrusion	Heating tapes may be operated to 450°F (232°C), with exposure temperatures to 482°F (250°C).
Medium Watt Density Design	2.5 Watts/ Inch <sup>2</sup>	Industrial style heating at 120 or 240 Volts.
Power Leads on One End	Duo-Tape® Design	A unique, dual element circuit design allows the lead wires to exit from one end of the tape.
Knitted, Serpentine Construction	Minimized Expansion, Vibration and Thermal Stress	HTS/Amptek heating tapes are knitted into a sine wave configuration. The element is cushioned and supported by knitted warp fabric as it expands evenly in all directions.
	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).
	Flexibility	Knitting yields maximum flexibility.
Multi-Strand Wire Element	High Temperature and Flexible	All HTS/Amptek tape elements are bundled, fine strand, resistance wire, covered with a minimum of two layers of braided AMOX™ yarn.
Rugged Outer Cover	Rubber Extrusion	The heavy silicone extruded outer cover provides abrasion and dielectric protection for the element. Duo-Tapes® are designed for use in applications where moisture, chemical and abrasion resistance is required.
High Temperature Lead Wires	48 inch (1.2M) Leads on One End	The multiple strand conductors are covered with 600 volt silicone rubber insulation and protected by HO sleeving.

# Industrial, Silicone Rubber Duo-Tape®

## Heating Tape Basic Construction:

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

Duo-Tape® Heavy Insulated Tapes Feature the element construction of other tapes, except it incorporates two elements knitted side by side. This improved arrangement allows the two elements to be connected in series at one end of the tape and the power leads to exit the other. The tape element is covered by an AMOX™, braided outer jacket.



<b>1/2" Wide Industrial AWD or AWM Tapes</b>	<b>LENGTH</b>	<b>WATTS</b>	<b>120V MODEL NO.</b>	<b>AMPS</b>	<b>240V MODEL NO.</b>	<b>AMPS</b>
These standard sizes are available from stock or short turn around. Special Configurations are available: <ul style="list-style-type: none"> <li>• Specific tape lengths</li> <li>• Specific wattage or voltage</li> <li>• Specific length power leads</li> <li>• Addition of power connector</li> <li>• Addition of temperature sensor</li> </ul> *NOTE: Lead Wires on these tapes are on EACH end, not on one end.  NOTE: 240V tapes may be operated on 208 (75% rated output) to 277 (133% rated output) volt.	06 ft (1.8m)	90	SRD-051-060	0.8	SRD-052-060	0.4
	08 ft (2.4m)	120	SRD-051-080	1	SRD-052-080	0.5
	10ft (3.0m)	150	SRD-051-100	1.3	SRD-052-100	0.6
	12ft (3.6m)	180	SRD-051-120	1.5	SRD-052-120	0.8
	16ft (4.8m)	240	SRD-051-160	2	SRD-052-160	1
	20ft (6.0m)	300	SRD-051-200	2.5	SRD-052-200	1.3
	24ft (7.2m)	360	SRD-051-240	3	SRD-052-240	1.5
	32ft (9.6m)	480	SRD-051-320	4	SRD-052-320	2
	42ft (15.6m)	630	SRD-051-420	5.3	SRD-052-420	2.6
	52ft (21.6m)	780	SRD-051-520	6.5	SRD-052-520	3.3
<b>1" Wide Industrial AWD or AWM Tapes</b>	<b>LENGTH</b>	<b>WATTS</b>	<b>120V MODEL NO.</b>	<b>AMPS</b>	<b>240V MODEL NO.</b>	<b>AMPS</b>
These standard sizes are available from stock or short turn around. Special Configurations are available: <ul style="list-style-type: none"> <li>• Specific tape lengths</li> <li>• Specific wattage or voltage</li> <li>• Specific length power leads</li> <li>• Addition of power connector</li> <li>• Addition of temperature sensor</li> </ul> *NOTE: Lead Wires on these tapes are on EACH end, not on one end.  NOTE: 240V tapes may be operated on 208 (75% rated output) to 277 (133% rated output) volt.	06 ft (1.8m)	180	SRD-101-060	1.6	SRD-102-060	0.8
	08 ft (2.4m)	240	SRD-101-080	2	SRD-102-080	1
	10ft (3.0m)	300	SRD-101-100	2.5	SRD-102-100	1.3
	12ft (3.6m)	360	SRD-101-120	3	SRD-102-120	1.5
	16ft (4.8m)	480	SRD-101-160	4	SRD-102-160	2
	20ft (6.0m)	600	SRD-101-200	5	SRD-102-200	2.5
	24ft (7.2m)	720	SRD-101-240	6	SRD-102-240	3
	32ft (9.6m)	960	SRD-101-320	8	SRD-102-320	4
	42ft (15.6m)	1260	SRD-101-420	10.5	SRD-102-420	5.3
	52ft (21.6m)	1560	SRD-101-520	13	SRD-102-520	6.5

HTS/Amptek Company  
 P.O. Box 1381  
 Stafford, TX 77497 USA  
 Phone: 281.340.9800  
 Fax: 281.340.9811

AMOX™ and Duo-Tape® are trade names of HTS/Amptek Co. Copyright Amptek, 2/03 SRD001 Printed in U.S.A.

**HTS/Amptek**

## Industrial, Trace Heating Cable

### Description:

HTS/AmpTek AC8 Heating Cables are self-regulating trace cable designed for use in temperature maintenance and freeze-protection applications. AC8 Heating Cables are ideal for Industrial Applications where temperature requirements are below those of traditional flexible heating tapes.



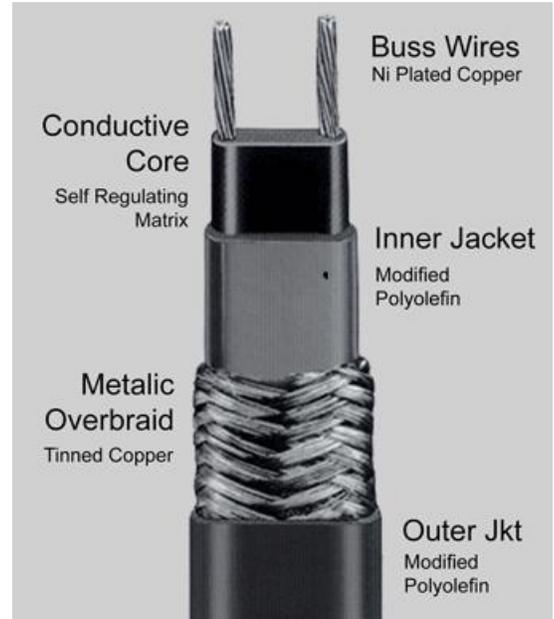
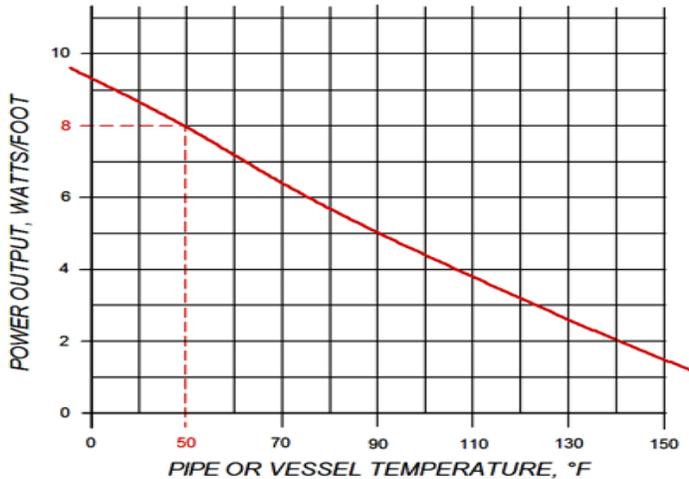
Temperature Capability	Modified Fluoropolymer conductive core	Heating cables may be operated to 150°F (65°C), with intermittent exposures to 185°F (85°C).
Low Watt Density Design	8.0 Watts/ linear foot @ 50°F	Industrial style heating at 120 or 240 Volts.
Flexible Length	Cable can be overlapped	If required, cables can be cut to length and terminated in the field.
Multi-layer Construction	Rugged Longer Life Flexibility	HTS/AmpTek heating cables utilize twin, nickel/copper bus wires, embedded in a conductive core. The core is protected by a fluoropolymer inner jacket and woven metal shield.
Heavy Outer Cover	Tinned copper sheathing with fluoropolymer outer jacket	The metal sheathing provides earth grounding protection and added abrasion protection for the element. Heating cables are designed for use in moisture prone and corrosive locations.
Protected Lead Wires	72 inch (1.8m) Leads	The heating cable element is terminated within a moisture resistant conduit with flexible conduit protecting the lead wiring.

# Industrial, Trace Heating Cable

## Heating Cable Basic Construction:

HTS/Amptek® Trace Heating Cables are constructed with a flexible, rugged design to maximize ease of installation. The heating element is a conductive core which can be cut to any length without affecting the heating circuitry. If required, cables can be terminated on-site using moisture resistant end caps. The cable can be overlapped without concern for overheating or burnout.

The cable material is designed to UL and CSA standards for industrial usage. Output energy will vary with vessel temperature. See the following chart.



	LENGTH	WATTS	120V MODEL NO.	AMPS	240V MODEL NO.	AMPS
<b>1/2" Wide Industrial AC8 Cables</b> These standard sizes are available from stock or short turn around. Special Configurations are available: <ul style="list-style-type: none"> <li>• Specific tape lengths</li> <li>• Specific length power leads</li> <li>• Addition of power connector</li> <li>• Addition of temperature sensor</li> </ul>	06 ft (1.8m)	48	AC8-051-060-6FLEX	0.4	AC8-052-060-6FLEX	0.2
	12ft (3.6m)	96	AC8-051-120-6FLEX	0.8	AC8-052-120-6FLEX	0.4
	18ft (5.4m)	144	AC8-051-180-6FLEX	1.2	AC8-052-180-6FLEX	0.6
	24ft (7.2m)	192	AC8-051-240-6FLEX	1.6	AC8-052-240-6FLEX	0.8
	30ft (9.0m)	240	AC8-051-300-6FLEX	2.0	AC8-052-300-6FLEX	1.0
	36ft (11.0m)	288	AC8-051-360-6FLEX	2.4	AC8-052-360-6FLEX	1.2
	42ft (12.6m)	366	AC8-051-420-6FLEX	3.1	AC8-052-420-6FLEX	1.5
	48ft (14.4m)	384	AC8-051-480-6FLEX	3.2	AC8-052-480-6FLEX	1.6
	54ft (16.2m)	432	AC8-051-540-6FLEX	3.6	AC8-052-540-6FLEX	1.8
	60ft (18.0m)	480	AC8-051-600-6FLEX	4.0	AC8-052-600-6FLEX	2.0

HTS/Amptek Company  
 P.O. Box 1381  
 Stafford, TX 77497 USA  
 Phone: 281.340.9800  
 Fax: 281.340.9811

