

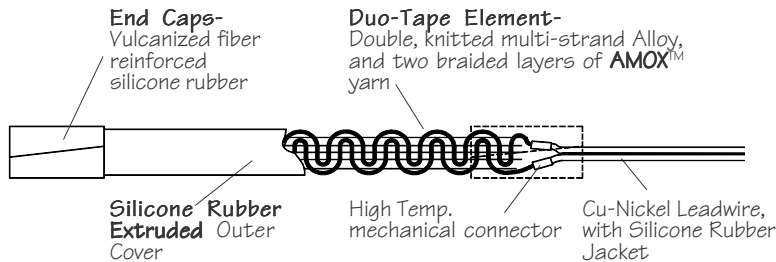
Duo-Tape® Silicone Extruded Heating Tape

Description:
HTS/Amptek® ASR style silicone extruded heaters are high temperature, flexible electric heating elements. The unique dual element design allows the convenience of power leads on one end.



Temperature Capability	400°F ASR Construction:	ASR style heating tapes may be operated to 400°F, with de-energized exposures to 500°F.
Low Watt Density, Standard Design	4.3 Watts/Inch²	Duo-Tape® laboratory style silicone extruded heating tapes are offered in 4.3 WSI watt density.
Power Leads on One End	Duo-Tape®	The unique, dual element circuit design allows the standard 2 foot leadwires to exit from one end. (see picture above)
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.
Silicone Extruded Outer Cover	ASR Extrusion:	The heavy silicone extruded outer cover provides abrasion and dielectric protection for the element. Duo-Tapes® may be used on conductive surfaces, and in applications where moisture, chemical and abrasion resistance is required.
Lead Wires, High Temperature	2 Ft. Leads on One End:	18 AWG high temperature, multiple stranded, 600 volt silicone rubber insulated leads on the same end with molded one piece plug.

ASR Silicone Rubber Insulated Laboratory & Industrial Heating Tapes



Heating Tape Basic Construction:

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

Silicone Rubber Extruded Features:

The heavy silicone extrusion provides encapsulation, while maintaining flexibility. The heavy wall extrusion increases durability and dielectric strength, while adding moisture resistance.

Plug, single piece molded design:

All standard 120 volt ASR Duo-Tapes® are provided with a molded plug. 240 volt tapes do not a plug.



Lead Wires on one end:

Standard lead wire length is 2'. Longer a lead wires may be requested as a special option.

SILICONE RUBBER EXTRUDED DUO-TAPE WITH LEAD WIRES ON ONE END							
MAX TEMP	WATT DENSITY	SIZE		WATTS	120v PLUG	CATALOG NUMBER	
		US	CM			120 VOLTS	240 VOLTS
	4.33 w/in ² .67 w/cm ²	.5" X 2'	1.3 X 060	52	Yes	ASR-051-020D	—
		.5" X 4'	1.3 X 120	104	Yes	ASR-051-040D	ASR-052-040D
		.5" X 6'	1.3 X 180	156	Yes	ASR-051-060D	ASR-052-060D
		.5" X 8'	1.3 X 240	208	Yes	ASR-051-080D	ASR-052-080D
		.5" X 10'	1.3 X 300	260	Yes	ASR-051-100D	ASR-052-100D
		.5" X 12'	1.3 X 360	312	Yes	ASR-051-120D	ASR-052-120D
		.5" X 14'	1.3 X 420	364	Yes	ASR-051-140D	ASR-052-140D
		.5" X 16'	1.3 X 480	416	Yes	ASR-051-160D	ASR-052-160D
		.5" X 18'	1.3 X 540	468	Yes	ASR-051-180D	ASR-052-180D
		.5" X 20'	1.3 X 600	520	Yes	ASR-051-200D	ASR-052-200D
		.5" X 24'	1.3 X 720	624	Yes	ASR-051-240D	ASR-052-240D
		1" X 2'	2.5 X 060	104	Yes	ASR-101-020D	ASR-101-020D
		1" X 4'	2.5 X 120	208	Yes	ASR-101-040D	ASR-102-040D
		1" X 6'	2.5 X 180	312	Yes	ASR-101-060D	ASR-102-060D
		1" X 8'	2.5 X 240	416	Yes	ASR-101-080D	ASR-102-080D
		1" X 10'	2.5 X 300	520	Yes	ASR-101-100D	ASR-102-100D
		1" X 12'	2.5 X 360	624	Yes	ASR-101-120D	ASR-102-120D
		1" X 14'	2.5 X 420	728	Yes	ASR-101-140D	ASR-102-140D
		1" X 16'	2.5 X 480	832	Yes	ASR-101-160D	ASR-102-160D
		1" X 18'	2.5 X 540	936	Yes	ASR-101-180D	ASR-102-180D
1" X 20'	2.5 X 600	1040	Yes	ASR-101-200D	ASR-102-200D		

LOW WATT DENSITY

Armored Lead Wire Option:

ASR Duo-Tapes® may have custom lengths of SS flex-armor leadwires for increased robustness. Contact us with your custom specification.



Thermocouple Sensor Option:

Thermocouples may be added to measure process temperature or element surface temperature.



To Order or Additional Information:

Contact your local HTS/Amptek® Representative or Distributor or call us direct.

www.heatingtapes.com

HTS/Amptek

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