



## Long-Length Silicone Rubber Heating Tape

- Lengths up to 100' (30.5m)
- Minimum bend radius of 1/4" (6mm)
- 1.0 watt per in<sup>2</sup>
- CE RoHS Compliant REACH



### Contents Include:

Specification Sheet

Price List

Application Note

Customer References/Industries

# XtremeFLEX® RKF Long-Length Silicone Rubber Heating Tapes

## Product Highlights

- ✓ Standard lengths up to 100ft (30.5m)
- ✓ Moisture and Chemical Resistant
- ✓ Exceptional Flexibility
- ✓ Exceptional Durability
- ✓ Suitable for Electrically Conductive Surfaces
- ✓ Custom Lengths Available for Precise Fit
- ✓ Low-Profile Design



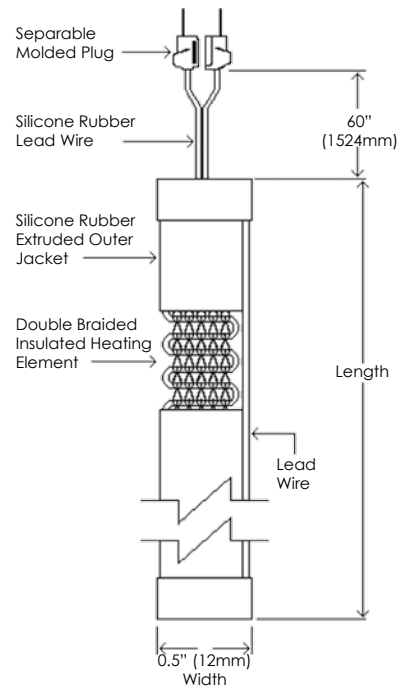
## Specifications:

- Maximum exposure temperature: 450°F (232°C)
- Silicone rubber extruded outer sheath
- Fiberglass knitted and braided construction
- Minimum bend radius: 1/4" (6mm)
- Standard power density: 1.0 W/in<sup>2</sup> (6 W/ft); 0.001 W/mm<sup>2</sup> (19.7 W/m)
- Voltage: 120VAC or 240VAC
- Standard 60" (1524mm) power leads with
  - 120VAC: separable 2-prong plug
  - 240VAC: ferrule crimped wire terminated leads
- Width: 0.5" (12.7mm)
- Ingress Protection Rating: IP54

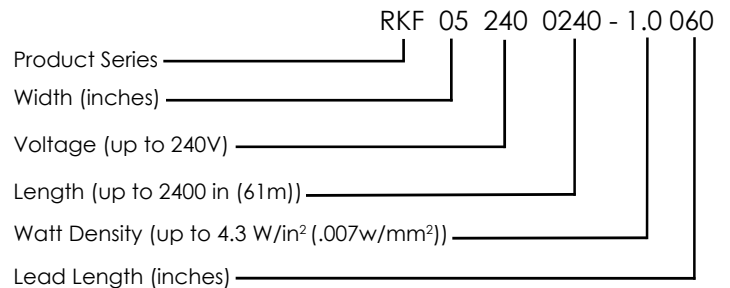
## Ordering Information:

Width in (mm)	Length ft (m)	Total Watts	Part No. 120VAC	Part No. 240VAC
0.5 (13)	20 (6.1)	120	RKF051200240	RKF052400240*
0.5 (13)	40 (12.2)	240	RKF051200480	RKF052400480*
0.5 (13)	60 (18.3)	360	RKF051200720	RKF052400720*
0.5 (13)	80 (24.4)	480	RKF051200960	RKF052400960*
0.5 (13)	100 (30.5)	600	RKF051201200	RKF052401200*

**Moisture  
and Chemical  
Resistant**



## Custom Part Number Matrix



**IMPORTANT: Temperature controller is required for this product.**

# Flexible Tape Heating Solution for Difficult to Heat Complex Systems

A simple and efficient way to heat complex pipe systems or large irregular shaped tanks and vessels

## Application

Heating complex winding pipe systems with many turns or large irregular shaped objects can be extremely difficult using traditional surface heating products. Often these systems must be heated to protect the internal contents from freezing temperatures, or the process requires maintaining higher temperatures of several hundred degrees.

Some of the unique applications encountered include: Long winding pipe systems, cone shaped chutes or hoppers, small diameters, tight bend radiuses, or objects with difficult or limited access, etc. Heating these objects with traditional heat trace cable can seem impossible to install and be a rather ineffective solution because there isn't enough surface contact. Additionally, these systems may be exposed to water or caustic chemicals requiring a moisture and chemical resistant heater.

## Solution

RKF long-length silicone rubber heating tapes are an easy-to-install ultra-flexible heating tape for easy installation around challenging systems. The extremely flexible 1/4" (6mm) bend radius provides reliable surface contact making it an ideal heating solution for irregular shapes, complex pipe systems with many twists and turns, and more. They are engineered with a 1/8" (3mm) thin profile to provide maximum flexibility with minimal obstruction. This is especially important in areas where access is limited or tight tolerances exist between objects. A silicone extruded cover provides exceptional durability along with extreme water and chemical resistance for reliable performance with long service life. They are an ideal solution for freeze protection and process heating applications.

RKF silicone heating tapes are available in standard lengths of 20ft, 40ft, 60ft, 80ft, and 100ft (6.1m, 12.2m, 18.3m, 24.4m, and 30.5m). They can also be custom manufactured to any length up to 100ft (30.5m).

## Additional Uses

RKF long-length heating tapes can be used on tanks and vessels of all shapes and sizes to increase or maintain the contents' temperatures. These applications are generally not restricted by pipe shape, tank size or shape, or industry.

## Industries

- Adhesives
- Aerospace
- Agriculture
- Biodiesel
- Chemical
- Composites
- Concrete/Asphalt
- Food & Beverage
- General Manufacturing
- Heavy Industry
- Oil & Gas
- Petrochemical
- Plastics
- Pulp & Paper
- Transportation

## Types of Users

- Process Engineers
- Facilities Maintenance Personnel
- Production Managers



# Spray Foam Insulation Warming

An effective way of solving viscosity issues related to spray foam application systems

## Application

Spray foam is a popular insulation alternative to traditional building materials such as fiberglass. It is a two-component mixture (isocyanate and resin) that is stored in cylinders and applied through an applicator gun. The liquid foam material must pass through two separate tubes that come together at the tip of an applicator gun to mix and form an expanding foam spray. The mixture must be kept at and applied at a minimum temperature of 70°F (21°C). If the components cool, the spray foam becomes very difficult to extract from the cylinder and process through the delivery hose and applicator gun. This can result in slow production or even clogs within the system that can cause significant downtime.

## Solution

Install a cylinder warmer onto the storage tank and an ultra-flexible silicone rubber heating tape to the delivery hoses. For added protection and efficiency, install heating tape with an insulator onto the delivery hose.

The cylinder warmers temperature is self-controlling at 80°F to 100°F (27°C to 38°C). Easily install the warmer by wrapping it around the cylinder and securing with a hook and loop flap. They are “plug-and-play” ready, allowing the warmers to be plugged into a standard power source without special wiring.

Extra-long silicone rubber heating tapes provide the necessary heat to keep spray foam chemicals at an optimum operating temperature while travelling through the delivery hose. A low-watt density design reduces the risk of damage to the hose. A digital water resistant TC4X temperature controller is used to set the temperature and control the heat output of the heater. A cloth insulator wrapped around the hose maximizes thermal efficiency and durability of the entire system. This solution eliminates downtime and extends the service life of spray foam equipment.

## Additional Uses

Silicone rubber heating tapes can be used in almost any hose or delivery system where viscosity issues are a concern.

### Products

- Cylinder Warmers
- Silicone Rubber Heating Tapes
- TC4X Digital Outdoor Temperature Controller

### Industries

- Insulation Manufacturers
- Insulation Contractors
- Foam Delivery System Manufacturers
- Aviation/Aerospace
- Construction
- General Manufacturing
- Marine

### Types of Users

- Production Manager
- Design Engineer
- Project Manager

