



Backer Springfield's team of engineers possess incomparable knowledge of the refrigeration industry and apply it throughout all stages of production-from design to delivery. With the aid of the most advanced technology available, we have maintained a leadership position in the industry for over 50 years.

思林菲公司的工程师团队拥有杰出的制冷行业的专业知识，应用贯穿于从最初设计到最终交货的所有生产阶段。借助最先进的技术，我们在制冷行业拥有了超过50多年的领导地位。

FLEXIBLE

## 柔性加热线 Flexible Heaters

柔性发热线的材料通常包括：电阻丝、聚氯乙烯、玻璃纤维及硅胶材料。最常见的密封结构由硅胶绝缘封头或者热缩套管，将发热线与硅胶导线连接。工作温度可达摄氏105度至200度。加热线束可以快速有效的防止制冰机进水口处结冰，也可由于商业制冷设备上防止玻璃门出现凝露。用柔性发热线加工成铝箔发热片，可以实现简易便捷的安装工况。柔性发热线也可以穿入铝管内，制成复杂结构的除霜用途的加热管及辅助加热用途的曲轴箱加热器。

Flexible Heating cable are made of resistance wire, PVC、fiber glass and silicon rubber. The most common seal connection is with a silicon rubber molded biscuit or a heated heat-shrink sleeve by the heating cable and silicon lead wire. Working temperature could reach 105-200 degrees Celsius. Heating cable can quickly and efficiently prevent ice build-up on ice-maker water fill tubes or around glass doors on commercial refrigerators to prevent condensation. Aluminum foil tap heater with heating cable built-in could achieve easy installation on site. Heating cable could insert through an aluminum tube to make a much complicated configuration defrost heater or a crankcase heater with auxiliary heating purpose.



### → 产品规格

	OD(mm) 外径	Insulation 绝缘材料	Lead Wire 导线	Connection Seal 连接处密封	Ohm Per Meter 米阻范围
Heater Wire 发热线	φ2.5	PVC 聚氯乙烯	AWG18 or AWG20, PVC or Silicone insulation 美标18号或20号, PVC或硅胶绝缘导线	1. FG braid+Silicone Sleeve 内编织外硅胶套管 2. Heat Shrink Sleeve 热缩套管 3. Silicone Overmold 硅胶模压	1Ω/m to 10000Ω/m
	φ2.5	Silicone硅胶			
	φ2.8	Silicone+FG braid 硅胶+玻纤编织			
	φ3.0	FG braid+Silicone+ 硅胶+内玻纤编织			
	φ3.2	Silicone+Alloy braid 硅胶+合金丝编织			
	φ3.8	FG braid玻纤编织			

	Foil Thickness 铝箔厚度	Temperature Resistance 耐温	Adhesive 背胶	Bonding Method 粘合方式	Dimension 尺寸
Foil heater 铝箔加热器	0.05mm	105°C	Rubber Base橡胶	Hot Bond热压粘合	Custom shapes and sizes available to meet application needs and specific customer requirements 可按不同应用要求及 客户特定要求，定制 产品形状及尺寸
		120°C	Standard Acrylic Base标准亚克力胶	Cold Bond冷压粘合	
		150°C	High Temperature Acrylic Base高温亚克力胶	Cold Bond冷压粘合	
		280°C	High Temperature Silicone Base高温硅胶	Cold Bond冷压粘合	