

斯柯兰制冷

SIKELAN REFRIGERATION



浙江斯柯兰制冷科技有限公司
ZHEJIANG SIKELAN REFRIGERATION TECHNOLOGY CO., LTD



公司简介 / Company profile

浙江斯柯兰制冷科技有限公司专业从事聚乙烯 (PE) 产品及发泡管材、卷材；空调冷凝配管及保温材料。公司座落于有“中国天堂”美誉的浙江省杭州市。环境幽雅，交通便利，距上海港、宁波港均为2.5小时车程，距离杭州萧山国际机场45分钟车程。

公司建有办公楼及标准厂房40000平方米。技术力量雄厚，拥有自己的研究、开发、制造、检测中心，并引进国际先进高新设备。公司通过ISO9001、ISO14001、OHS18001国际管理体系认证，质量达到国内外先进水平，产品通过SGS等知名检测公司的检测。产品畅销全国三十多个省市，并大量出口到欧洲、美洲、澳洲、中东、非洲及东南亚各国。高品质、高性价比及优质的服务，受到广大客商的一致好评。

公司经营宗旨：市场为导向、质量求生存、科技求发展、管理争效益、服务为信誉。

公司经营理念：品质、创新、高效、诚信。



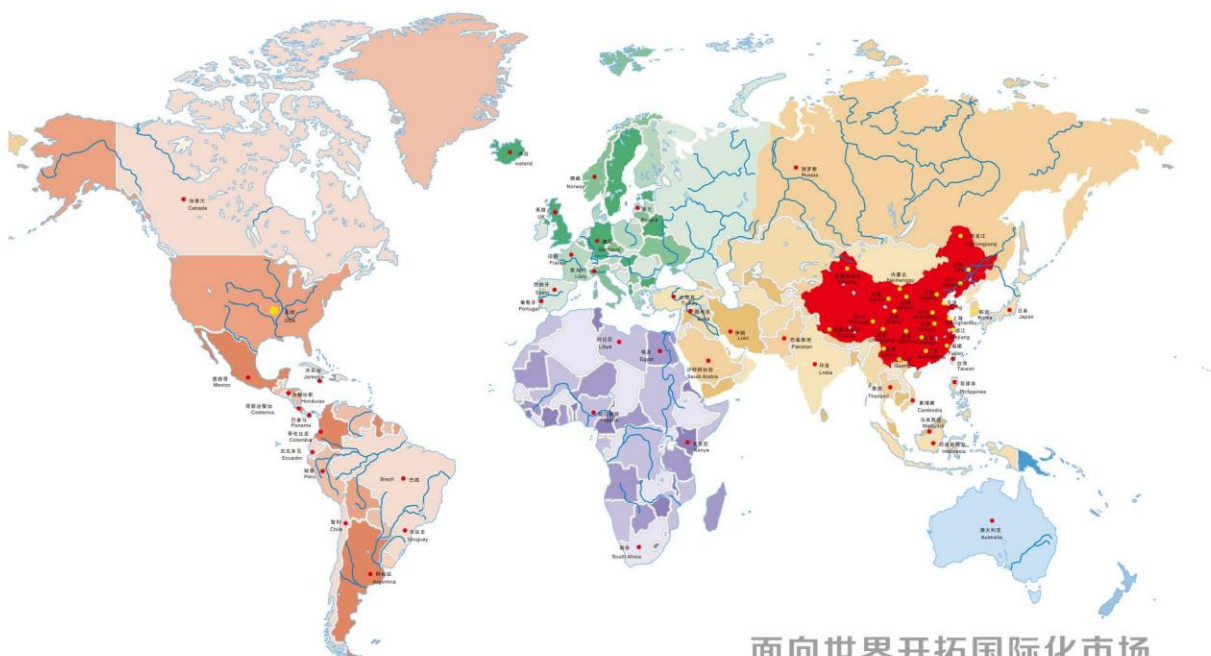
Zhejiang SIKELAN Refrigeration Technology Co., Ltd. It is a flourishing High-Tech enterprise. We specialize in developing and manufacturing the PE product and foamed tubing, coiled; Condensing piping and heat preservation material for air conditioning. We are located in Hangzhou City, Zhejiang Province, who has the reputation of China Heaven. With quiet surrounding advantageous geographical location and convenient transportation, It will take 2.5 hours to Shanghai or Ningbo port, and 45 minutes to Hangzhou Xiaoshan International Airport by car.

Our company owns the standard plant and office building which covering 40000M2. With abundant technique force, we have our own researching, developing, manufacturing, inspecting and testing centers, and imported the international advanced high-tech equipments. Our company has passed the ISO9001, ISO14001, OHS18001 international management system certificates. The products have got SGS certificates. Our products are not only selling strongly in more than 30 provinces and municipality, but also largely exporting to Europe, America, Australia, Middle East, Africa and South Asia. We have won an excellent reputation from the customers and friends by our product quality, price versus performance ratio and service.

Company Management Principle: Marketing for Guideline, Quality for Existence, Technology for Development. Management for Efficiency, Service for Credibility.

Company Business concept : Quality, Innovation, High-Efficiency, Credit.

资质证书/Qualification Certificate



面向世界开拓国际化市场
Facing the world developing the market



产品出口：斯柯兰生产的产品不仅驰名中国国内，更是广泛出口欧盟、北美、澳新、日本、韩国、新加坡、中国台湾等地区和国家，收到国内外广大客户的高度赞赏。

Product export: SIKELAN products are not only well-known in China, but also widely exported to the European Union, North America, Australia and New Zealand, Japan, South Korea, Singapore, Taiwan and other regions and countries, receiving high praise from customers at home and abroad

斯柯兰保温管

SIKELAN PE INSULATION PIPE



单层保温管
1 layer insulation pipe



双层单管保温管
2 layer single pipe



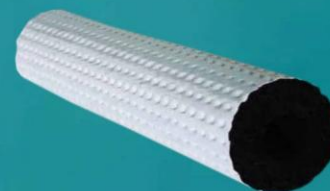
双层双管保温管
2 layer double pipe



三层单管保温管
3 layer single pipe



三层双管保温管
3 layer double pipe



以色列、土耳其专供
Pipe For Israel and Turkey

以上保温管均有四种性能：

- 1) 80度普通性能（抗老化+抗紫外线）
- 2) 80度普通性能+阻燃
- 3) 120度普通性能（抗老化+抗紫外线）
- 4) 120度普通性能+阻燃

The above insulation pipes have four properties:

- 1), 80 degree general performance (anti aging + anti UV).
- 2) 80 degree ordinary performance + flame retardant
- 3), 120 degree general performance (anti aging + anti UV).
- 4) 120 degree ordinary performance + flame retardant.

备注：

- 1、管材外侧已喷印米数、耐温参数，可根据需要自由选取
- 3、保温材料厚度、颜色，可根据客户要求定制。

- 2、双管为气管、液管一体，可轻易分离。

Remarks:

1. The number of meters sprayed on the outer side of the pipe and the temperature resistance parameters, can be selected freely as required
2. The double tube is a combination of gas tube and liquid tube, which can be separated easily.
3. The thickness and color of insulation materials can be selected according to customer requirements.

保温管产品 Insulation pipe

斯柯兰保温管系列产品具有耐高温（120度、难燃）、耐摩擦、抗冲击、防老化等十大特性，不仅美观而且使用寿命长。产品由交联聚乙烯闭孔发泡而成，管材发泡一次成型，管壁无接口裂缝，管材无假焊、空包现象，因此保温管吸水性小、保温性能佳、对铜铝管无腐蚀作用，可用于中央空调、家用空调、汽车空调的连接管保冷保热工程中，也可用于建筑业、商业、工业管道的保温隔热工程中。因制作配方、耐高温性能不同，产品主要有80度普通性能（抗老化、抗紫外线）、80度普通性能+阻燃、120度普通性能（抗老化、抗紫外线）、120度普通性能+阻燃，共4大类。

SIKELAN insulation pipe series have ten characteristics of high temperature resistance (120 degrees, flame-retardant), friction resistance, impact resistance, anti-aging, etc., not only beautiful but also long service life. The product is made of crosslinked polyethylene by closed cell foaming, The pipe is foamed once, the pipe wall has no joint crack, the pipe has no false welding and empty package. Therefore, the heat preservation pipe has small water absorption, good heat preservation performance and no corrosion effect on copper aluminum pipe. It can be used in the cold and heat preservation engineering of connecting pipe of Central air conditioning, household air conditioning and automobile air conditioning, as well as in the heat preservation and heat preservation engineering of construction, commercial and industrial pipes. Because of the different formulation and temperature resistance, the product has 80 main properties (anti aging, anti ultraviolet), 80 degree general performance + flame retardant, 120 degree common properties (anti aging, anti ultraviolet), 120 degree common performance + flame retardant, a total of 4 major categories.

内层：聚乙烯水架桥

30倍独立闭孔，气密性好、绝缘保温。

Inner layer: polyethylene water bridge
30 times independent closed hole, good air tightness, insulation and heat preservation.



中层：聚乙烯电子架桥

发泡致密、耐热耐寒、保温耐磨、环保阻燃。

Middle layer: Polyethylene electronic bridge
Dense foaming, heat and cold resistance, heat preservation and wear resistance, environmental protection and flame retardant.

表层：聚乙烯抗老化、紫外线复合膜

不变质、不老化、不开裂、不渗水、环保阻燃

Surface: Polyethylene anti-aging and ultraviolet composite film
No deterioration, aging, cracking, water penetration, environmental protection and flame retardant.

三层构造保温管 3Layer insulation pipe



冷暖兼用/For both cold and warm



耐高温120°C/High temperature resistance 120 degrees



难燃/Refractory

单管标准尺寸/Single pipe standard size

保温管 三层单管 3Layer single pipe 	品名 Model	规格 Specifications	适合铜管 Suitable for copper tube	内径(mm) Inner Diameter	壁厚(mm) Wall thickness
	SKLPE-2	1/4"	Φ6.35	Φ8	8-20mm 可选
	SKLPE-3	3/8"	Φ9.52	Φ12	
	SKLPE-4	1/2"	Φ12.7	Φ14.5	
	SKLPE-5	5/8"	Φ15.88	Φ18	
	SKLPE-6	3/4"	Φ19.05	Φ22	
	SKLPE-7	7/8"	Φ22.22	Φ25	
	SKLPE-8	1"	Φ25.4	Φ27	
	SKLPE-9	1-1/8"	Φ28.58	Φ30	
	SKLPE-10	1-1/4"	Φ31.75	Φ33	
	SKLPE-11	1-3/8"	Φ34.92	Φ36	
	SKLPE-12	1-1/2"	Φ38.1	Φ40	
	SKLPE-13	1-5/8"	Φ41.28	Φ43	
	SKLPE-14	1-3/4"	Φ44.45	Φ46.5	
	SKLPE-15	2"	Φ50.8	Φ53	
	SKLPE-16	2-1/8"	Φ53.98	Φ56	

双管标准尺寸/Double pipe standard size

保温管三层双管 3Layer double pipe 	品名 Model	规格 Specifications	适合铜管 Suitable for copper tube	内径(mm) Inner Diameter	壁厚(mm) Wall thickness
	SKLPE-23	1/4" + 3/8"	6.35+9.52	8/12	8-20mm 可选
	SKLPE-24	1/4" + 1/2"	6.35+12.7	8/14.5	
	SKLPE-25	1/4" + 5/8"	6.35+15.88	8/18	
	SKLPE-35	3/8" + 5/8"	9.52+1.88	12/18	
	SKLPE-36	3/8" + 3/4"	9.52+19.05	12/22	
	SKLPE-46	1/2" + 3/4"	12.7+19.05	14.5/22	

保温管材质及特性 Material and characteristics of insulation pipe

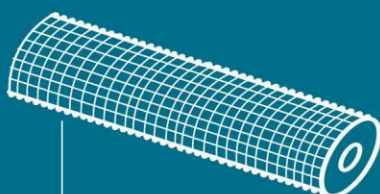
保温管材质特性/Material and characteristics of insulation pipe

特性 Characteristics	热传导率 Thermal conductivity	耐热温度 Heat resistance temperature	拉伸强度 Tensile strength	真空吸水率 Vacuum water absorption	肉厚收缩率 Thickness shrinkage
表明被覆，水架桥交联聚乙烯，30倍闭孔独立发泡聚乙烯保温管 Coated, water bridge cross-linked polyethylene, 30 times closed cell independent foamed polyethylene insulation pipe	<0.043	-40°C-120°C	>14	<2.0	<7

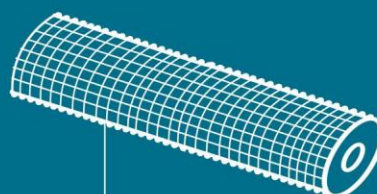
斯柯兰全系列保温管已通过测试标准

All series of SIKELAN insulation pipes have passed the test standard

地区(AREA)	标准(STANDARD)
日本 JAPAN	JIS A9511 2009 A-PE-C-2 PEF8/JCDA0009
澳洲 AUSTRALIA	AS/NZS1530.3
美国 USA	UL94 HF-1
欧洲 EUROPE	EN13501-1 BL-S1-D0
法国 FRANCE	EN13501-1 M1



 80度阻燃保温管
80 degree flame retardant insulation pipe



 120度阻燃保温管
120 °C high temperature flame retardant insulation pipe

80度阻燃保温管/80 degree flame retardant insulation pipe

斯柯兰保温管成分中添加阻燃剂，具有高度难燃特性。经测试，其阻燃级别达到国内B1级，并通过日本JIS、澳洲AS/NZS、美国UL-94HF-1、法国M1级、欧洲BL-S1-DO测试。

Flame retardant is added to the components of SIKELAN heat preservation pipe, which has high flame retardant characteristics. After testing, the flame retardant level of the product reached B1 level in China, and passed JIS test in Japan, as / NZS test in Australia, ul-94hf-1 test in the United States, M1 test in France and bl-s1-do test in Europe.

120度阻燃保温管/120 °C high temperature flame retardant insulation pipe

该系列产品使用独特配方职称，在“80度阻燃保温管”基础上增强耐温特性，适用于-60度-120度的严酷温度调节，同时还能有效防止结露，避免管道内外所结露水污染室内环境。

经测试，保温管在氩弧灯200H照射下，管体无起皱、针孔、粉化、裂纹等现象发生，抗老化时间为8-10年。

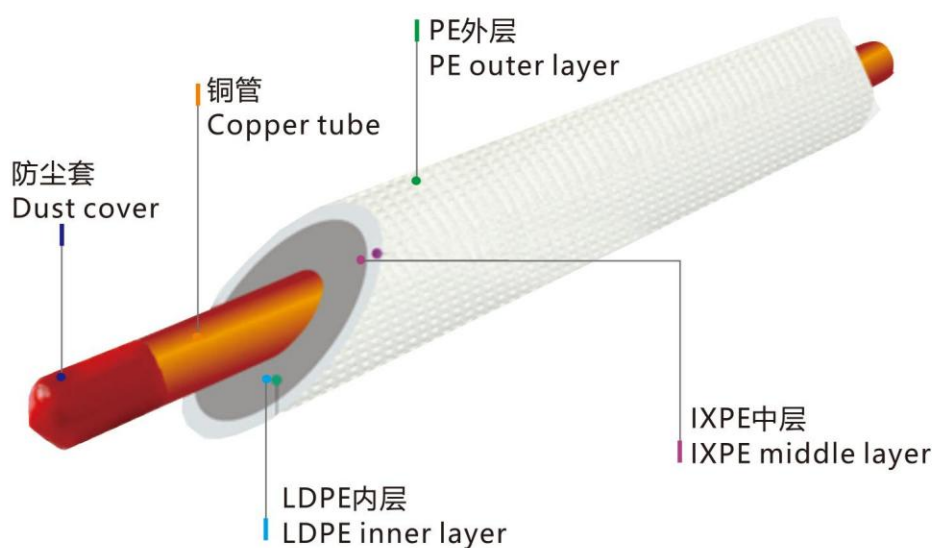
This series of products use the unique formula title to enhance the temperature resistance characteristics on the basis of "80 degree flame-retardant heat preservation pipe", which is suitable for the severe temperature regulation of - 60 degrees to - 120 degrees. At the same time, it can effectively prevent condensation and avoid the indoor environment from being polluted by the condensation water inside and outside the pipe.

After testing, the heat insulation tube has no wrinkle, pinhole, pulverization, crack and so on under the irradiation of argon arc lamp 200H. The anti-aging time is 8-10 years.

PE被覆一体铜管

PE INSULATED COPPER PIPE

结构图：Structural drawing



PE外层 PE outer layer

外层强度韧性高、不变质、不老化、不开裂、不渗水、环保阻燃。

The outer layer has high strength and toughness, does not deteriorate, does not age, does not crack, does not seep into water, and is environmentally friendly and flame retardant.

IXPE中层 IXPE middle layer

中层发泡致密、耐热耐寒、电子交联聚乙烯，环保阻燃、保温耐磨。

The middle layer has dense foaming, heat and cold resistance, electronic cross-linked polyethylene, environmental protection, fire resistance, heat preservation and wear resistance.

LDPE内层 LDPE inner layer

内层发泡致密、耐温：-40度-120度，交联聚乙烯，30倍闭孔独立，气密性好、绝缘保温。

The inner layer has dense foaming, temperature resistance: -40 °C - 120 °C, cross-linked polyethylene, 30 times closed cell independence, good air tightness, insulation and heat preservation.

铜管 Copper tube

采用高纯度阴极铜（99.99%）制造。均匀致密、含氧量低、质量稳定、耐高压。

It is made of high purity copper cathode (99.99%). Uniform density, low oxygen content, stable quality and high pressure resistance.

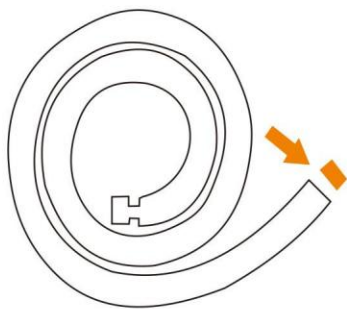
防尘套 Dust cover

出厂时已清理铜管内壁，出厂自带防尘套，施工现场无需清理。

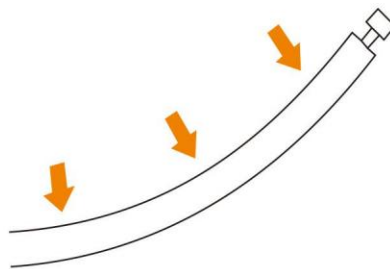
The inner wall of the copper pipe has been cleaned before leaving the factory, and the factory has its own dust cover, so the construction site does not need to be cleaned.

注意事项 Attention

被覆铜管打开方法/Opening method of PE insulated copper pipe

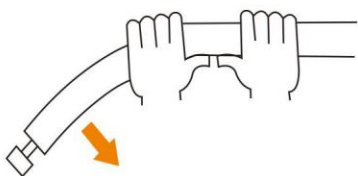


- 1、请从卷管外侧部位开始延展打开
1. Please extend and open from the outside of the coil

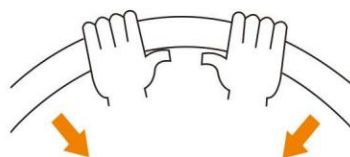


- 2、打开时请用力均匀，不要用力过猛
2. Please use even force when opening

被覆铜管折弯方法/Bending method of PE insulated copper pipe



- 1、向配管内侧弯曲
1. Bend to the inner side of the pipe



- 2、双手间隔距离不要过大，均匀用力，慢慢折弯
2. The distance between hands should not be too large. Use even force and bend slowly.



- 3、请勿在同一部位重复折弯
3. Do not bend the same part repeatedly.



- 4、请勿将半径折弯到6cm
4. Do not bend the radius below 6cm

被覆铜管单管 PE insulated single copper pipe

❄️ 冷暖兼用/For both cold and warm 🌡️ 耐高温120°C/High temperature resistance 120 degrees
🔥 难燃/Refractory 🔄 适应新冷媒/Adapt to new refrigerant

20m被覆铜管单管标准

Standard for 20m PE insulated single copper pipe

被覆铜管单管 PE insulated single copper pipe	品名 Model	规格 Specifications	适合铜管(mm) Suitable for copper tube		适合保温管(mm) Supporting insulation pipe	
			外径 Outer diameter	壁厚 Wall thickness	内径 Inner Diameter	壁厚 Wall thickness
	SKL-0220	1/4"	ø6.35	0.80	ø8.0	8-20mm 可选
	SKL-0320	3/8"	ø9.52	0.80	ø12.0	
	SKL-0420	1/2"	ø12.7	0.80	ø14.5	
	SKL-0520	5/8"	ø15.88	1.00	ø18.0	
	SKL-0620	3/4"	ø19.05	1.00	ø22.0	

30m被覆铜管单管标准

Standard for 30m PE insulated single copper pipe

被覆铜管单管 PE insulated single copper pipe	品名 Model	规格 Specifications	适合铜管(mm) Suitable for copper tube		适合保温管(mm) Supporting insulation pipe	
			外径 Outer diameter	壁厚 Wall thickness	内径 Inner Diameter	壁厚 Wall thickness
	SKL-0230	1/4"	ø6.35	0.80	ø8.0	8-20mm 可选
	SKL-0330	3/8"	ø9.52	0.80	ø12.0	
	SKL-0430	1/2"	ø12.7	0.80	ø14.5	
	SKL-0530	5/8"	ø15.88	1.00	ø18.0	
	SKL-0630	3/4"	ø19.05	1.00	ø22.0	

50m被覆铜管单管标准

Standard for 50m PE insulated single copper pipe

被覆铜管单管 PE insulated single copper pipe	品名 Model	规格 Specifications	适合铜管(mm) Suitable for copper tube		适合保温管(mm) Supporting insulation pipe	
			外径 Outer diameter	壁厚 Wall thickness	内径 Inner Diameter	壁厚 Wall thickness
	SKL-0250	1/4"	ø6.35	0.80	ø8.0	8-20mm 可选
	SKL-0350	3/8"	ø9.52	0.80	ø12.0	
	SKL-0450	1/2"	ø12.7	0.80	ø14.5	
	SKL-0550	5/8"	ø15.88	1.00	ø18.0	
	SKL-0650	3/4"	ø19.05	1.00	ø22.0	

被覆铜管双管 PE insulated double copper pipe

 冷暖兼用/For both cold and warm
  耐高温120°C/High temperature resistance 120 degrees
  难燃/Refractory
  适应新冷媒/Adapt to new refrigerant

20m被覆铜管双管标准

Standard for 20m PE insulated double copper pipe

被覆铜管双管 PE insulated double copper pipe	品名 Model	规格 Specifications	适合铜管(mm) Suitable for copper tube		适合保温管(mm) Supporting insulation pipe	
			外径 Outer diameter	壁厚 Wall thickness	内径 Inner Diameter	壁厚 Wall thickness
	SKL-2320	1/4"	ø6.35	0.8	ø8	8-20mm 可选
		3/8"	ø9.52	0.8	ø12	
	SKL-2420	1/4"	ø6.35	0.8	ø8	
		1/2"	ø12.7	0.8	ø14.5	
	SKL-2520	1/4"	ø6.35	0.8	ø8	
		5/8"	ø15.88	1	ø18.0	
	SKL-3520	3/8"	ø9.52	0.8	ø12	
		5/8"	ø15.88	1	ø18.0	
	SKL-3620	3/8"	ø9.52	0.8	ø12	
		3/4"	ø19.05	1.2	ø22.0	
	SKL-4620	1/2"	ø12.7	0.8	ø14.5	
		3/4"	ø19.05	1.2	ø22.0	

30m被覆铜管双管标准

Standard for 30m PE insulated double copper pipe

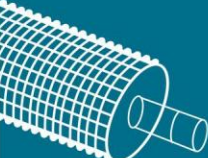
被覆铜管双管 PE insulated double copper pipe	品名 Model	规格 Specifications	适合铜管(mm) Suitable for copper tube		适合保温管(mm) Supporting insulation pipe	
			外径 Outer diameter	壁厚 Wall thickness	内径 Inner Diameter	壁厚 Wall thickness
	SKL-2330	1/4"	ø6.35	0.8	ø8	8-20mm 可选
		3/8"	ø9.52	0.8	ø12	
	SKL-2430	1/4"	ø6.35	0.8	ø8	
		1/2"	ø12.7	0.8	ø14.5	
	SKL-2530	1/4"	ø6.35	0.8	ø8	
		5/8"	ø15.88	1	ø18.0	
	SKL-3530	3/8"	ø9.52	0.8	ø12	
		5/8"	ø15.88	1	ø18.0	
	SKL-3630	3/8"	ø9.52	0.8	ø12	
		3/4"	ø19.05	1.2	ø22.0	
	SKL-4630	1/2"	ø12.7	0.8	ø14.5	
		3/4"	ø19.05	1.2	ø22.0	

被覆铜管直管 PE insulated straight copper pipe

❄️ 冷暖兼用/For both cold and warm 🌡️ 耐高温120°C/High temperature resistance 120 degrees
🔥 难燃/Refractory ❄️ 适应新冷媒/Adapt to new refrigerant

4m被覆直管标准

Standard for 4m PE insulated straight copper pipe

被覆铜管 直管 PE insulated straight copper pipe	品名 Model	规格 Specifications	铜管尺寸(mm) Copper Tube		保温管尺寸(mm) Insulation pipe
			外径 Outer diameter	壁厚 Wall thickness	壁厚 Wall thickness
	SKL-034	3/8"	Ø9.52	0.8	8-20mm可选
	SKL-044	1/2"	Ø12.7	0.8	
	SKL-054	5/8"	Ø15.88	1	
	SKL-064	3/4"	Ø19.05	1.05	
	SKL-074	7/8"	Ø22.22	1.2	
	SKL-104	1"	Ø25.4	1.35	
	SKL-114	1-1/8"	Ø28.58	1.55	
	SKL-124	1-1/4"	Ø31.75	1.7	
	SKL-134	1-3/8"	Ø34.92	1.85	
	SKL-144	1-1/2"	Ø38.1	2	

3m被覆直管标准

Standard for 3m PE insulated straight copper pipe

被覆铜管 直管 PE insulated straight copper pipe	品名 Model	规格 Specifications	铜管尺寸(mm) Copper Tube		保温管尺寸(mm) Insulation pipe
			外径 Outer diameter	壁厚 Wall thickness	壁厚 Wall thickness
	SKL-033	3/8"	Ø9.52	0.8	8-20mm可选
	SKL-043	1/2"	Ø12.7	0.8	
	SKL-053	5/8"	Ø15.88	1	
	SKL-063	3/4"	Ø19.05	1.05	
	SKL-073	7/8"	Ø22.22	1.2	
	SKL-103	1"	Ø25.4	1.35	
	SKL-113	1-1/8"	Ø28.58	1.55	
	SKL-123	1-1/4"	Ø31.75	1.7	
	SKL-133	1-3/8"	Ø34.92	1.85	
	SKL-143	1-1/2"	Ø38.1	2	

橡塑被覆一体盘管(直管)

Rubber foam insulated coiled copper pipe



产品说明: 该产品材质柔软、耐曲绕, 被广泛应用于家用空调、汽车空调、太阳能水管等多种管道保温。

The material of the product is soft and winding resistant, which is widely used in household air conditioning, automobile air conditioning, solar water pipe and other pipe insulation.

产品说明: 橡塑被覆一体直管采用与日本同步工艺, 长度为定尺: 3m、4m、5m。施工时无需切割, 可直接使用, 不仅使工程大幅度省时省力化, 同时又是高效节能、环保的高品质冷暖兼用空调配管材料。

本产品可满足家庭至高楼大厦的大型商用空调配管要求。

Rubber foam insulated straight copper pipe adopts synchronous technology with Japan, with length of 3M, 4m and 5m. It can be directly used without cutting during construction, which not only saves time and labor, but also is a high-quality air conditioning piping material with high efficiency, energy saving and environmental protection.

The product can meet the requirements of large-scale commercial air conditioning piping from home to high-rise buildings.

型号 MODEL	铜管外径(mm) COPPER PIPE O.D (mm)	铜管壁厚(mm) COLLER PIPE THICKNESS(mm)	长度(m) LENGTH (M)	纳子/铜螺帽 COPPER NUT	性能 PERFORMANCE
1/4	Φ6.35	任选(OPTIONAL)	3-50M 任选(OPTIONAL)	可选(OPTIONAL)	耐高温120℃ +难燃 (High temperature resistance 120 ° C + flame retardant)
3/8	Φ9.52				
1/2	Φ12.7				
5/8	Φ15.88				
3/4	Φ19.5				
7/8	Φ22.22				
1	Φ25.4				
1 1/8	Φ28.58				
1 1/4	Φ31.75				
1 3/8	Φ34.92				
1 1/2	Φ38.1				
1 5/8	Φ41.28				
1 3/4	Φ44.45				

品质、创新、高效、诚信
Quality, Innovation, High-Efficiency, Credit



浙江斯柯兰制冷科技有限公司

ZHEJIANG SIKELAN REFRIGERATION TECHNOLOGY CO., LTD

地址：浙江省杭州市拱墅区莫干山路1418-28号

电话：0571-88746383

网址：www.sikelan.net

邮箱：sikelan@sikelan.net

Address: No. 1418-28 Moganshan Road, Gongshu District, Hangzhou City, Zhejiang Province
TEL: 0086-571-88746383

WEB: www.zjsikelan.com

E-mail: sikelan@sikelan.net



2022年7月 印