

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

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**斯柯兰制冷**  
SIKELAN REFRIGERATION

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## 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.

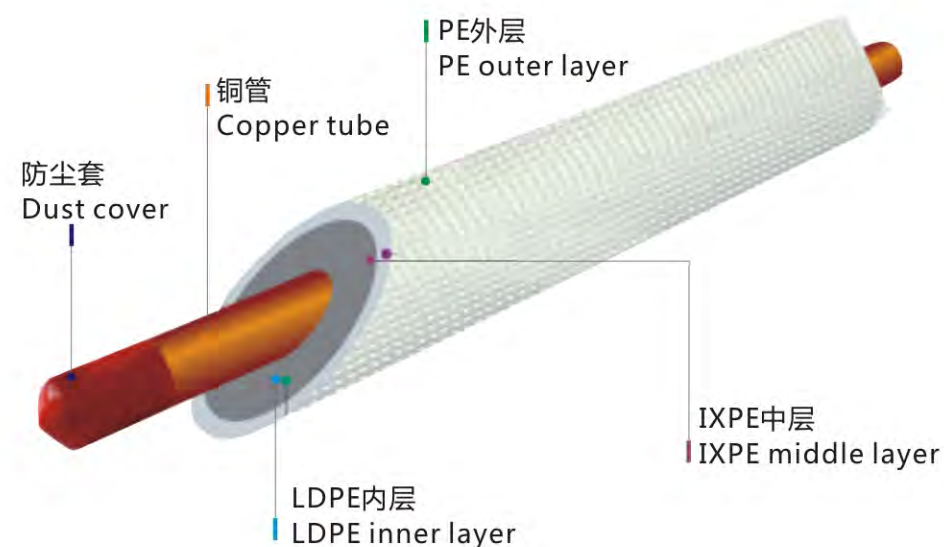
Company Management Principle: Marketing for Guideline, Quality for Existence, Technology for Development. Management for Efficiency, Service for Credibility.  
Company Business concept: Quality, Innovation, High-Efficiency, Credit.



# 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.



## 阻燃成分介绍

### Introduction Of Flame Resistance Component

本产品为添加型阻燃剂，加工流动性好，有极好的热稳定性和光稳定性，很好的解决了传统阻燃剂因添加量大而造成的密度高、添加成本高、制品各项物理性能严重恶化、与树脂相容性差的缺点，是目前市场上用于PE发泡新材料的首选阻燃剂产品之一。本产品完全符合最新欧盟环保标准（SVHC）。

This product is additive-type flame retardant with good processing fluidity, it has excellent heat stability and light stability, which can solve the defects of traditional fire retardant of high density, high additive cost, serious deterioration of physical properties and bad resin compatibility caused by large additive amount. It is one of the preferred flame retardant products which are used for PE foaming new material. This product is completely conformed to the newest EU environmental standards (SVHC).

测试项目	单位	PE(为阻燃)	阻燃PE (含5%的阻燃剂)
比重	g/cm <sup>3</sup>	0.91	0.93-0.96
拉伸强度	Mpa	32	31.5
悬臂梁缺口冲击强度	KJ/M <sup>2</sup>	4.7	4.8
断裂伸长率	%	260	245
弯曲强度	Mpa	27	26.5
热变形温度	°C	80	90
平均自熄时间	秒	-	≤2
阻燃性	UL94 1.6mm	不阻燃料	v-0



## 被覆一体盘管

### PE Insulated Colied Copper pipe



产品说明：PE被覆一体盘管占地面积小，运输方便，使用PE被覆一体管无需再施工现场进行穿管，即内壁清洗。出厂时已喷印数米，长度可自由截取，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置要求。

Product Description: PE insulated coil copper pipe occupies a small area and is convenient for transportation. It is unnecessary to use PE coated integral coil to pass through the pipe on the construction site, that is, to clean the inner wall. When leaving the factory, it has been printed for several meters, and the length can be cut freely, which not only saves a lot of time and labor, but also is an efficient, energy-saving and environmental friendly high-quality air conditioning piping material. The product can meet the requirements of large-scale commercial air conditioning configuration from home to high-rise buildings.

## 被覆一体直管

### Pe Insulated Straight Copper Pipe



产品说明：PE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。

PE 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.

## PE被覆一体铜铝管

### PE Insulated copper aluminum connection pipe



产品说明：铝的导热率比铜管小（铝2.34、铜3.97，单位：W/cm.°C），铝做连接管减少了温度的散失，提高了保温棉效果，同时再加上热缩附件，保证了保温棉效果的提高（制冷可提高15%），从而可以节能省电。

安装方便，由于铜铝连接管的两端为铜管，这样无论是加长还是穿螺母、胀管、套保温棉等和原来大家采用的全铜管连接管没有任何差异，铝的抗弯性优于铜，而且比铜轻。使用非常方便。

The thermal conductivity of aluminum is smaller than that of copper tube (aluminum 2.34, copper 3.97, unit: w / cm. ° C). The connection tube made of aluminum reduces the loss of temperature and improves the effect of heat preservation cotton. At the same time, the heat shrinkable accessory ensures the improvement of heat preservation cotton effect (refrigeration can be increased by 15%), so it can save energy and electricity.

It is easy to install, because the two ends of the copper aluminum connecting pipe are copper pipes, so there is no difference between the original copper pipe connecting pipe and the original one, such as lengthening or threading nuts, expanding pipe and sleeve insulation cotton. The bending resistance of aluminum is better than copper, and lighter than copper. It is very convenient to use.

## PE 被覆一体波纹管

### PE Insulated Corrugated copper pipe



产品说明：波纹铜管集金属管材与非金属管材的优点于一身。它比塑料管材坚硬，具有一般金属的高强度(冷拔铜管的强度与相同壁厚的钢管相当)，它又比一般金属易弯曲，韧性好且延展性高，具有优良的抗振、抗冲击及抗冻胀性能。波纹铜管可以承受极冷和极热的温度，从-196度到250度适用范围大，且适应温度剧烈变化(-高温-低温-高温-)，使用性能不会因长期使用和温度的剧烈变化而降低，不会产生老化现象。这是普通管材所不能及的。

Corrugated copper pipe combines the advantages of metal pipe and non-metal pipe. It is harder than plastic pipe, and has high strength of general metal (the strength of cold drawn copper pipe is equivalent to that of steel pipe with the same wall thickness). It is also easier to bend than general metal, has good toughness and high ductility, and has excellent vibration resistance, impact resistance and frost expansion resistance. The corrugated copper pipe can withstand extremely cold and hot temperature. It can be used in a wide range from - 196 ° C to 250 ° C, and it can adapt to drastic changes in temperature (- high temperature - low temperature - high temperature -). Its service performance will not be reduced due to long-term use and drastic changes in temperature, and it will not produce aging phenomenon. This is beyond the reach of ordinary pipes.



## PE被覆一体盘管 PE Insulated Colied Copper pipe

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	6.35	0.35-1.22mm 任选(OPTIONAL)	3-50M 任选(OPTIONAL)	可选(OPTIONAL)	耐高温120°C +难燃 (High temperature resistance 120 ° C + flame retardant)
3/8	9.52				
1/2	12.7				
5/8	15.88				
3/4	19.5				

## PE被覆一体直管 PE Insulated Straight Copper Pipe

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
7/8	Φ22.22	0.8-1.5mm 任选(OPTIONAL)	4M,5M,6M 任选(OPTIONAL)	可选(OPTIONAL)	耐高温120°C +难燃 (High temperature resistance 120 ° C + flame retardant)
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				

## PE被覆一体铜铝管 PE Insulated copper aluminum connection pipe

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	6.35	0.6-1.2mm 任选(OPTIONAL)	3-50M 可选(OPTIONAL)	可选(OPTIONAL)	耐高温120°C +难燃 (High temperature resistance 120 ° C + flame retardant)
3/8	9.52				
1/2	12.7				
5/8	15.88				
3/4	19.5				

## PE 被覆一体波纹管 PE Insulated Corrugated copper pipe

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	6.35	0.6-1.2mm 任选(OPTIONAL)	3-6M 可选(OPTIONAL)	耐高温120°C+难燃 (High temperature resistance 120 ° C + flame retardant)	
3/8	9.52				
1/2	12.7				
5/8	15.88				
3/4	19.5				
7/8	22.22				



# 橡塑被覆一体保温管

## RUBBER FOAM INSULATED PIPE

### 产品应用

### IMPROVEMENT AOOLICATIONS

橡塑保温管广泛应用于分体式空调、多联机中央空调、太阳能系统、地源热泵等。

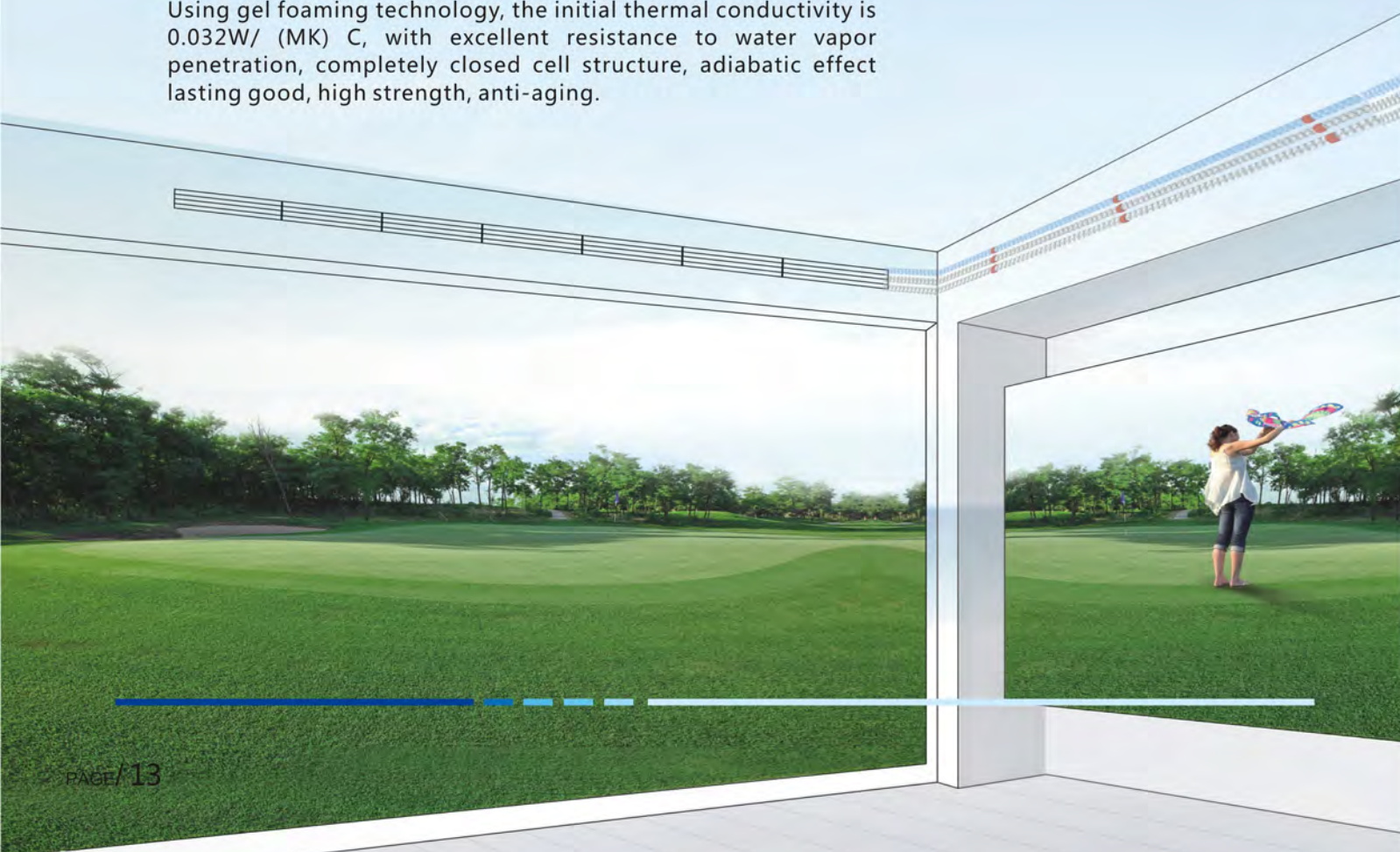
Rubber foam insulation pipe is widely used in split air conditioning, multi line central air conditioning, solar energy system, ground source heat pump, etc.

### 卓越保温 世界的品质

采用凝胶发泡技术，初始导热系数为0.032W/(mk)°C，拥有优异的抗水汽渗透能力，完全闭孔结构，绝热效果持久良好，强度高，抗老化。

### EXCELLENT INSULATION WORLD QUALITY

Using gel foaming technology, the initial thermal conductivity is 0.032W/ (MK) C, with excellent resistance to water vapor penetration, completely closed cell structure, adiabatic effect lasting good, high strength, anti-aging.



# 产品性能优势

## PRODUCT PERFORMANCE ADVANTAGES





## 橡塑被覆一体保温盘管

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.

## 橡塑被覆一体保温直管

Rubber foam insulated straight copper pipe



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.

## 橡塑被覆一体保温铜铝管

Rubber foam Insulated copper aluminum connection pipe



产品说明：铝的导热率比铜管小（铝2.34、铜3.97，单位：W/cm.°C），铝做连接管减少了温度的散失，提高了保温棉效果，同时再加上热缩附件，保证了保温棉效果的提高（制冷可提高15%），从而可以节能省电。

安装方便，由于铜铝连接管的两端为铜管，这样无论是加长还是穿螺母、胀管、套保温棉等和原来大家采用的全铜管连接管没有任何差异，铝的抗弯性优于铜，而且比铜轻。使用非常方便。

The thermal conductivity of aluminum is smaller than that of copper tube (aluminum 2.34, copper 3.97, unit: w / cm. ° C). The connection tube made of aluminum reduces the loss of temperature and improves the effect of heat preservation cotton. At the same time, the heat shrinkable accessory ensures the improvement of heat preservation cotton effect (refrigeration can be increased by 15%), so it can save energy and electricity.

It is easy to install, because the two ends of the copper aluminum connecting pipe are copper pipes, so there is no difference between the original copper pipe connecting pipe and the original one, such as lengthening or threading nuts, expanding pipe and sleeve insulation cotton. The bending resistance of aluminum is better than copper, and lighter than copper. It is very convenient to use.

## 橡塑被覆一体保温铜波纹管

Rubber foam Insulated Corrugated copper pipe



产品说明：橡塑被覆一体保温铜波纹管集金属管材与非金属管材的优点于一身。它比塑料管材坚硬，具有一般金属的高强度（冷拔铜管的强度与相同壁厚的钢管相当），它又比一般金属易弯曲，韧性好且延展性高，具有优良的抗振、抗冲击及抗冻胀性能。波纹铜管可以承受极冷和极热的温度，从-196度到250度适用范围大，且适应温度剧烈变化（-高温-低温-高温-），使用性能不会因长期使用和温度的剧烈变化而降低，不会产生老化现象。这是普通管材所不能及的。

Rubber foam Insulated Corrugated copper pipe combines the advantages of metal pipe and non-metal pipe. It is harder than plastic pipe, and has high strength of general metal (the strength of cold drawn copper pipe is equivalent to that of steel pipe with the same wall thickness). It is also easier to bend than general metal, has good toughness and high ductility, and has excellent vibration resistance, impact resistance and frost expansion resistance. The corrugated copper pipe can withstand extremely cold and hot temperature. It can be used in a wide range from - 196 ° C to 250 ° C, and it can adapt to drastic changes in temperature (- high temperature - low temperature - high temperature -). Its service performance will not be reduced due to long-term use and drastic changes in temperature, and it will not produce aging phenomenon. This is beyond the reach of ordinary pipes.



## 橡塑被覆一体保温盘管

Rubber foam insulated coiled copper pipe

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	6.35	0.35-1.22mm 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	9.52				
1/2	12.7				
5/8	15.88				
3/4	19.5				

## 橡塑被覆一体保温直管

Rubber foam insulated straight copper pipe

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
7/8	Φ22.22	0.8-1.5mm 任选(OPTIONAL)	4M,5M,6M 任选(OPTIONAL)	可选(OPTIONAL)	耐高温120℃ +难燃 (High temperature resistance 120 ° C + flame retardant)
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				

## 橡塑被覆一体保温铜铝管

Rubber foam Insulated copper aluminum connection pipe

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
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3/8	9.52				
1/2	12.7				
5/8	15.88				
3/4	19.5				

## 橡塑被覆一体保温铜波纹管

Rubber foam Insulated Corrugated copper pipe

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	6.35	0.6-1.2mm 任选(OPTIONAL)	3-6M 可选(OPTIONAL)		耐高温120℃+难燃 (High temperature resistance 120 ° C + flame retardant)
3/8	9.52				
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7/8	22.22				







# 配套用辅助产品

## SUPPORTING AUXILIARY PRODUCTS

### 卡扣 CLIPS



#### 主材料/The main material

材质：尼龙

此产品外形采用凹凸设计，产品外观及性能已获国家专利。使用范围广，可用于任何家用空调、中央空调的铜管、冷凝水管、电线的固定，特别是在大型建筑工程吊顶里的各种空调管线的固定。4公分的宽度可以降低空调管道保温结露的缺点，拆卸不需要任何工具并且不生锈。

Material: Nylon  
This product adopts concave convex design, and its appearance and performance have been patented by the state. Widely used, it can be used for fixing copper pipe, condensate pipe and electric wire of any household air conditioner and central air conditioner, especially for fixing various air conditioning pipelines in the ceiling of large-scale construction projects. The width of 4cm can reduce the defect of air conditioning pipe insulation and condensation. No tools are needed and no rust is produced during disassembly.

#### 技术说明 Specification

宽 Width	最小直径 Minimum diameter	最大直径 Matimum diameter
40mm	32mm	35mm
40mm	45mm	48mm
40mm	50mm	53mm
40mm	60mm	63mm
40mm	75mm	78mm
40mm	95mm	98mm
40mm	98mm	113mm

## 中央空调吊架 Air Conditioning Hanger



#### 主材料/The main material

产品材质：镀锌、不锈钢

产品用于中央空调铜管、冷凝水管、强弱电线管的固定,护套管适用于保温管保护。特别在大型工程吊顶里的各种管线的固定,使工程安装的规范性、美观性和实用性得到体现

Product material: galvanized, stainless steel  
The product is used for fixing copper pipe, condensate pipe, strong and weak wire pipe of central air conditioning. The protective sleeve is suitable for the protection of heat preservation pipe. Especially in the ceiling of large-scale engineering, the fixation of various pipelines makes the standardization, aesthetics and practicability of engineering installation reflected.

#### 技术说明 Specification

尺寸 Size	吊架厚度 Thickness	V型扣直径 V Buckle directly	卡点护套管直径 Casing diameter
200mm	1.2×39mm	50mm	50mm
250mm			
280mm			
300mm			

## 斯波兰脚垫 The Base Of Air Conditioning External Unit



使用范围：空调主机支撑

Scope of use: Support Air Conditioner

特点：安装简便、耐腐蚀、减震、减噪

Features: simple installation, corrosion resistance, shock absorption, noise reduction

#### 技术说明 Specification

型号 ODEL	承重/kg BEARING	尺寸/mm SIZE	适用室外机机型 APPLICABLE MODELS	自重/kg DEAD WEIGHT	使用年限/年 SERVICE LIFE	材质 MATERIAL	备注 REMARK
250	100	250*160*90	1P	3	15	橡胶+铝 RUBBER+ ALUMINUM	脚垫2个/套，内置配件4个固定螺丝 SCREW FOR EACH SET
450B	300	450*160*60	1-3P	5			
600	600	600*160*90	3-5P	12			
1000	1000	1000*160*90	5P	19			