## 聚丙烯酸酯玻璃纤维套管 Acrylic coated Fiberglass Sleeving

### 产品描述 Product description

UL证书号UL File No.:E233803 155℃ 600V

聚丙烯酸酯玻璃纤维套管采用优质材料,用无碱玻璃纤维编织成管状,然后涂上聚丙烯酸酯。因其耐用性而被广泛使用。可用于引线和变压器上的马力电机,其他用途存在于干式和油浸式变压器、多种类型的继电器、广播和电视电路以及焊接设备中。

Acrylic coated Fiberglass Sleeving is adopt excellent materials ,it is braided into sleeving with non-alkali Þberglass,and then coated with Acrylic Resin.It is widely used for its durability,It can be used for fractional and integral horsepower motors on leads and crossovers,other uses exist in dry and oil-Þlled transformers,relays of many types,radio and television circuits,and welding apparatuses.

高度抗裂,能够承受剧烈弯曲,而不会损失介电性能 Highly craze resistant.

能够承受剧烈弯曲,而不会损失介电性能 Withstands severe bending with no loss of dielectric properties.

加热后涂层不会流动,非常柔韧。能够承受装配搬运、切割和机械应力
Coating Þlm will not ßow upon application of heat,extremely tough and ßexible.Able to withstand assembly handling,cut-through and mechanical stress.

耐大多数酸和大多数有机溶剂 Resistant to most acids and most organic solvents.

可提供卷装、盘装或切管 Coils,spools or lengths at manufacturer's option.

| 内径Inside Diameter(mm) | | 壁厚Wall Thickness(mm) | |
|---|---|---|---|
| 公称范围 Range | 公差 Tolerance | 等级 Grade A | 等级 Grade B,C |
| 0.5-2.5 | +0.25-0.00 | 0.38mm | 0.20mm |
| 3.0-4.5 | +0.30-0.00 | 0.45mm | 0.23mm |
| 5.0-6.0 | +0.40-0.00 | 0.45mm | 0.28mm |
| 7.0-9.0 | +0.55-0.00 | 0.50mm | 0.32mm |
| 10.0-14.0 | +0.77-0.00 | 0.60mm | 0.40mm |
| 15.0-25.0 | +0.85-0.00 | 0.64mm | 0.43mm |



## 硅树脂玻璃纤维套管 Silicone Fiberglass Sleeving

### 产品描述 Product description

UL证书号UL File No.: E233804/E233803 200℃ 600V

硅树脂玻璃纤维套管是一种带有硅树脂复合涂层的玻璃纤维编织套管。这种套管最适用于设计要求具有优异的防潮、防热和防辐射性能的领域。有四种等级可供选择,其标准产品具有更高的柔韧性,可用于电机、设备引线、继电器引线和发热电缆等对柔韧性、高介电保护和耐热性要求较高且温度高达200℃的场合,其良好的耐磨性和抗辐射性还广泛应用于航空航天和原子能领域。

Silicone coated Fiberglass Sleeving is a Þberglass braid with a Silicone composite coating.This sleeving is best in areas where design requirements specify superior moisture,heat and radiation resistance.In addition to its Class 200℃ rating,it also shows good low temperature properties.Silicone coated Sleeving is available in the four top grades and as standard with being a more ßexible product designed to conform to sharp bends.Silicone coated Fiberglass Sleeving is used in electric motors,equipment leads,relay leads and heating cable where ßexibility,high dielectric protection and heat endurance are required and temperatures up to 200℃ are encountered.Its good abrasion and radiation resistance also Þnd wide use in aerospace and atomic energy applications.

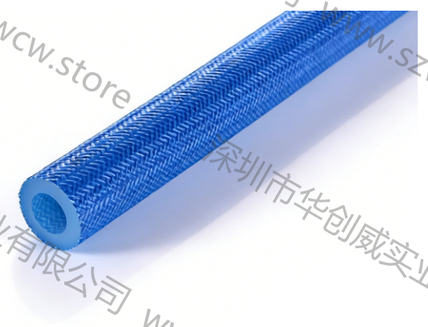
可提供卷装、盘装或切管
Coils,spools or lengths at manufacturer's option.
标准颜色为白色,其他颜色可根据订单要求。
Standard Color is white.Other colors made to order.

| 内径Inside Diameter(mm) | | 壁厚Wall Thickness(mm) | | |
|---|---|---|---|---|
| 公称范围 Range | 公差 Tolerance | 7000V Grade A | 4000V Grade B | 等级 Grade C |
| 0.5-2.0 | +0.20-0.00 | 0.45±0.05 | 0.40±0.05 | 0.35±0.05 |
| 2.5-3.0 | +0.25-0.00 | 0.50±0.05 | 0.40±0.05 | 0.35±0.05 |
| 3.5-5.0 | +0.35-0.00 | 0.55±0.05 | 0.50±0.05 | 0.42±0.05 |
| 6.0-9.0 | +0.50-0.00 | 0.60±0.05 | 0.55±0.05 | 0.45±0.05 |
| 10.0-12.0 | +0.70-0.00 | 0.65±0.05 | 0.60±0.05 | 0.53±0.05 |
| 13.0-20.0 | +0.80-0.00 | 0.70±0.05 | 0.65±0.05 | 0.56±0.05 |
| 22.0-35.0 | +0.90-0.00 | 1.05±0.05 | 1.00±0.05 | 0.70±0.05 |



深圳市华创威实业有限公司 www.szwcw.store

## 硅橡胶玻璃纤维套管（内胶外纤）Silicone Rubber Fiberglass Sleeving(inner rubber and outer fiber)



### 产品描述 Product description

UL证书号UL File No.: E233803 200℃ 600V

硅橡胶玻璃纤维套管（内胶外纤）由硅橡胶挤压成管，再编织玻璃纤维，然后通过高温涂上硅胶。它具有优异的绝缘保护和耐温功能。广泛应用于H&N级汽车、造船、电机、家用电器、电热设备、特种灯具等的绝缘保护。

Silicone Rubber Fiberglass Sleeving(inner rubber and outer Þber)is extruded into tubes from silicone rubber,coated with braided Þberglass and then painted with silicone through high temperature.It has excellent insulating protection and temperature-resistance function.It is also widely used in insulating protection of H&N Grade automobile,shipbuilding,electrical machinery,home appliance,electric&heat equipment ,special light ware.etc.

| 内径Inside Diameter(mm) | | 壁厚Wall Thickness(mm) 等级Grade A |
|---|---|---|
| 公称范围 Range | 公差 Tolerance | |
| 1.0-2.5 | +0.20-0.00 | 0.60±0.05 |
| 3.0-5.0 | +0.30-0.00 | 0.70±0.05 |
| 6.0-7.0 | +0.35-0.00 | 0.75±0.05 |
| 8.0-9.0 | +0.40-0.00 | 0.80±0.05 |
| 10.0-12.0 | +0.50-0.00 | 0.90±0.05 |
| 13.0-25.0 | +0.65-0.00 | 1.50±0.05 |



## 硅橡胶玻璃纤维套管 Silicone Rubber Fiberglass Sleeving

### 产品描述 Product description

UL证书号UL File No.: E233804/E233803 200℃ 600V

硅橡胶玻璃纤维套管是在编织玻璃纤维上涂覆高性能硅橡胶而制成的,这种硅橡胶具有极高的柔韧性、非凡的韧性和耐磨性。除了达到200℃级,-60℃的也表明它可用于要求耐极端温度的各种应用。

Silicone Rubber Fiberglass Sleeving is produced by coating braided Þberglass with a high-performance silicone rubber that is extremely ßexible and shows unusual toughness and abrasion resistance.In addition to having a Class 200℃ rating,its brittle point of -60℃ also suggests its use in a wide range of applications requiring resistance to temperature extremes.

应用Applications:

硅橡胶玻璃纤维套管用于电器、电机和发电机及汽车、船舶和飞机的电气和电子元件,如变压器、线圈、继电器等,还适用于极低温环境，如高空和航空航天应用。

Silicone Rubber Fiberglass Sleeving is used in appliances,motors and generators as well as in automotive,marine and aircraft electrical and electronic components such as transformers,coils,relays,etc.where a 200℃ thermal rating is required. In addition to being well-suited as heavy duty insulation where subjected to high heat,such as in die-casting and plastic molding.Silicone Rubber Fiberglass Sleeving is also suitable for use in extremely low-temperature environments such as high altitude and aerospace applications.

可提供卷装、盘装或切管 Coils,spools or lengths at manufacturer's option.

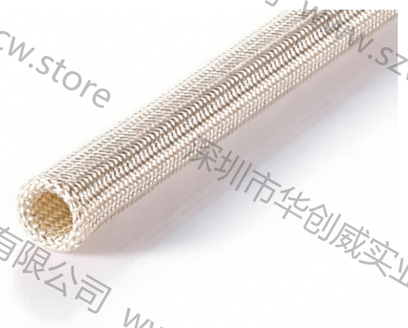
标准颜色为白色,其他颜色可根据订单要求。 Standard Color is white.Other colors made to order.

| 内径Inside Diameter(mm) | | 壁厚Wall Thickness(mm) | |
|---|---|---|---|
| 公称范围 Range | 公差 Tolerance | 7000V Grade A | 4000V Grade B |
| 0.5-2.0 | +0.20-0.00 | 0.45±0.05 | 0.40±0.05 |
| 2.5-3.0 | +0.25-0.00 | 0.50±0.05 | 0.40±0.05 |
| 3.5-5.0 | +0.35-0.00 | 0.55±0.05 | 0.50±0.05 |
| 6.0-9.0 | +0.50-0.00 | 0.60±0.05 | 0.55±0.05 |
| 10.0-12.0 | +0.70-0.00 | 0.65±0.05 | 0.60±0.05 |
| 13.0-20.0 | +0.80-0.00 | 0.70±0.05 | 0.65±0.05 |
| 22.0-35.0 | +0.90-0.00 | 1.05±0.05 | 1.00±0.05 |



深圳市华创威实业有限公司 www.szwcw.store

## 耐高温特殊玻璃纤维套管 High-Temperature Special Fiberglass sleeving



### 产品描述 Product description

TGS-1W-600C是一种新型特殊耐高温玻璃纤维套管，具有很好的柔软性，延展性，能够轻松适配不规则的零件，广泛适用于多个行业，作为绝缘和防护覆盖材料。

TGS-1W-600C is a new type of special high-temperature resistant Þberglass sleeving, which has good ßexibility, extensibility, and can easily adapt to irregular parts. It is widely used in multiple industries as an insulation and protective covering material.

典型应用：

绝缘炼油厂的蒸汽追踪管线，做为电线电缆的热绝缘和电绝缘材料，用于玻璃制造，覆盖金属精炼，铸造厂和钢厂中的钩爪，以及任何需要高温屏蔽的其他场合。他提供更大的壁厚，而增加的重量较小，从而提供更好的隔热性能。

Typical applications:

Insulate steam racking pipelines in oil rePneries, as thermal and electrical insulation materials for wires and cables, used in glass manufacturing, covering hooks and claws in metal rePning, foundries, and steel mills, as well as any other occasions that require high temperature shielding. He provides a larger wall thickness and a smaller increase in weight, thereby providing better insulation performance

特性Features:

能够承受正常的组装处理，而不会失去绝缘能力

Withstands normal assembling handling without the loss of insulating capability

优异的低温灵活性

Excellent low temperature ßexibility

耐高温达到600℃

Not affected by temperatures up to 600°C

| 规 格 Inside Diameter | 壁 厚 Wall Thickness | 耐 压 Breakdown Voltage | 耐 温 Temperature Resistance | 阻燃性 Flame Resistance |
|---|---|---|---|---|
| 0.5mm-3.0mm | 0.18±0.05mm | 300-700V | -10℃+600℃ | VW-1 |
| 4.0mm-6.0mm | 0.30±0.05mm | 300-700V | -10℃+600℃ | VW-1 |
| 7.0mm-12.0mm | 0.35±0.05mm | 300-700V | -10℃+600℃ | VW-1 |
| 14.0mm-30.0mm | 0.43±0.05mm | 300-700V | -10℃+600℃ | VW-1 |



## PVC管 General purpose insulating tubing

### 产品描述 Product description

PVC不收缩难燃套管广泛用于电线接头，电子零件，玩具，马达、汽车线束及变压器等接头线的绝缘保护。

General purpose insulating tubing ,non-ßammable,suitable for insulation puposeof terminallug, small electrical parts, lead wires of toy motor and transformer etc.

| 编号 NO. | 内径（D）(mm) Inside Diameter | 壁厚（T）(mm) Wall-thickness | | 包装长度(米/盘) Packing Length(Meter/Roll) |
|---|---|---|---|---|
| | | 300V | 600V | |
| 5/8 | 15.9±0.80 | 0.70±0.18 | 0.70±0.18 | 50 |
| 9/16 | 14.3±0.80 | 0.70±0.18 | 0.70±0.18 | 100 |
| 1/2 | 12.7±0.80 | 0.57±0.15 | 0.57±0.15 | 100 |
| 7/16 | 11.1±0.80 | 0.57±0.15 | 0.57±0.15 | 200 |
| 3/8 | 9.53±0.50 | 0.57±0.15 | 0.57±0.15 | 200 |
| 5/16 | 7.92±0.50 | 0.57±0.15 | 0.57±0.15 | 300 |
| 0# | 8.38±0.50 | 0.45±0.15 | 0.57±0.15 | 300 |
| 1# | 7.47±0.50 | 0.45±0.15 | 0.57±0.15 | 300 |
| 2# | 6.68±0.50 | 0.45±0.15 | 0.57±0.15 | 300 |
| 3# | 5.94±0.50 | 0.45±0.15 | 0.57±0.15 | 400 |
| 4# | 5.28±0.50 | 0.45±0.15 | 0.57±0.15 | 500 |
| 5# | 4.72±0.30 | 0.45±0.15 | 0.57±0.15 | 500 |
| 6# | 4.22±0.30 | 0.45±0.15 | 0.57±0.15 | 500 |
| 7# | 3.76±0.20 | 0.45±0.15 | 0.57±0.15 | 500 |
| 8# | 3.38±0.20 | 0.45±0.15 | 0.57±0.15 | 500 |
| 9# | 3.00±0.20 | 0.45±0.15 | 0.57±0.15 | 500 |
| 10# | 2.69±0.20 | 0.35±0.1 | 0.45±0.15 | 500 |
| 11# | 2.41±0.20 | 0.35±0.1 | 0.45±0.15 | 500 |
| 12# | 2.16±0.20 | 0.35±0.1 | 0.45±0.15 | 500 |
| 13# | 1.93±0.15 | 0.35±0.1 | 0.45±0.15 | 500 |
| 14# | 1.68±0.15 | 0.35±0.1 | 0.45±0.15 | 500 |
| 15# | 1.50±0.15 | 0.35±0.1 | 0.45±0.15 | 500 |
| 16# | 1.34±0.15 | 0.35±0.1 | 0.45±0.15 | 500 |
| 17# | 1.19±0.15 | 0.35±0.1 | 0.45±0.15 | 500 |
| 18# | 1.07±0.15 | 0.35±0.1 | 0.45±0.15 | 500 |
| 19# | 0.96±0.15 | 0.35±0.1 | 0.45±0.15 | 500 |
| 20# | 0.86±0.15 | 0.35±0.1 | 0.45±0.15 | 500 |
| 21# | 0.79±0.15 | 0.25±0.05 | 0.45±0.15 | 500 |

## 热缩管 Heat Shrinkable Tubing

### 产品描述 Product description

热缩管为后端连接器密封、断开和连接器到电缆过渡等应用提供选择性绝缘、机械保护、环境密封和应力释放。它是一个固体替代胶带、模塑或灌封。当加热时，它符合下面基材的尺寸和形状，使安装快速简单。其高膨胀比使得在不拆卸连接器的情况下修复大多数损坏的电缆护套成为可能。提供多种材料、颜色和尺寸，以及电缆连接器过渡。它是胶带、模塑或灌封的可靠替代品。加热时，它符合下面基板的尺寸和形状，可以快速轻松地安装。它的高膨胀比使其可以修复大多数未拆下连接器的电缆护套损坏。热缩管有各种材料、颜色和尺寸可供选择，以卷轴、长度和切割件等形式交付。透明型允许检查覆盖的组件，并提供优异的透光性。

Heat shrink tubing provides electrical insulation,mechanical protection,environmental sealing,and strain relief,for applications such as back-end connector sealing,breakouts,and connector-to-cable transitions.It is a solid alternative to taping,molding or potting.When heated,it conforms to the size and shape of the substrate beneath,enabling quick and easy installation.Its high expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.Available in a wide range of materials,colors,and sizes,and connector-to-cable transitions.It is a solid alternative to taping,molding or potting.When heated,it conforms to the size and shape of the substrate beneath,enabling quick and easy installation.Its high expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.Available in a wide range of materials,colors,and sizes,heat shrink tubing is delivered in forms such as spools,lengths,and cut pieces.Clear types permit inspection of covered components and offer excellent transmittance of light.

收缩比Shrink ratio：2:1 3:1 4:1

特点Feature s：

具有优异的耐油性和耐化学性 Excellent oil and chemical resistance properties

无卤环保，低烟，产品符合"RoHS"环保标准

Halogen-free environment,low smoke,the product complies 'RoHS' environmental standards

优异的绝缘、耐热耐压性能 Excellent insulation,heat resistance voltage performance

| 规格 (Size) mm | 热缩前内径 As supplied ID (mm) | 热缩后内径 After Recovery ID (mm) | 标准包装 Standard Package 长度/卷 Spool Length m/spool | 适用范围 Scope of application |
|---|---|---|---|---|
| 0.5 | 0.80±0.20 | ≤0.35 | 400 | 0.3-0.6 |
| 1.0 | 1.50±0.20 | ≤0.65 | 400 | 0.75-0.9 |
| 5.0 | 5.50±0.20 | ≤2.50 | 200 | 2.6-4.5 |
| 8.0 | 8.50±0.30 | ≤4.00 | 100 | 4.2-7.2 |
| 16 | 16.50±0.40 | ≤8.00 | 100 | 8.3-15 |
| 30 | 31.50±1.00 | ≤15.00 | 50 | 16-29 |
| 100 | ≥100 | ≤50.00 | 25 | 55-85 |
| 150 | ≥150 | ≤75.00 | 25 | 80-120 |



## 纯硅胶管 Pure Silicone Rubber Flexible Tubing

### 产品描述 Product description

纯硅胶管PSR系列主要采用日本、美国、德国原材料，广泛适用于电器、灯饰、医疗器械等，可根据客户的要求生产高透明、半透明、乳白色及阻燃、内径大、小、管壁薄、厚的PSR系列产品。

Pure Silicone Rubber Flexible Tubing PSR Series,PSR Series mainly adopt raw materials from Japan,USA and Germany. Widely used in electrical equipment,illumination,medical equipment etc.PSR Series can provide various tubes according to customers' request such as highly transparent,half-transparent,milky white or other colors ßame-resistance,big or small size of ID and thick or thin or thick wall tubes of PSR series.

优异的柔韧性和抗挠曲开裂性 Excellent Flexibility a long with ßex crack resistance.

可做到透明度极佳无异味和味道 Excellent transparency with no odor and taste available.

由于对组织和细胞的情性具有优异的生物相容性 Excellent Bio-compatibility due to inert mess to tissues and cells.

通过使用不同的技术进行消毒，如高压灭菌器、环氧乙烷、伽马射线。
Sterilizable by using different techniques like Autoclave Ethylene Oxide Gamma Radiation.

符合FDA &LFGB等级的产品可供选择 FDA &LFGB compliant grade is available.

定制尺寸和长度可供选择 Custom dimension and length size available.

定制硬度可供选择 Custom hardness available.

| 型号 Type | 产品描述 Description | 击穿电压 B.D.Voltage(V) | 硬度 Hardness(HA) | 延伸率 Extention |
|---|---|---|---|---|
| PSR-T | 半透明Half-Transparent(壁厚wall thickness 0.5~0.7mm) | 4000-10000 | 50-80 | (%)≥250 |
| PSR-Ta | 半透明Half-Transparent(加厚wall thickening) | 4000-10000 | 50-80 | (%)≥250 |
| PSR-HT | 高透明Highly-Transparent(壁厚wall thickness 0.5~0.7mm) | 4000-10000 | 50-80 | (%)≥250 |
| PSR-HTa | 高透明Highly-Transparent (加厚wall thickening) | 4000-10000 | 50-80 | (%)≥250 |
| PSR-M | 乳白Milky White(壁厚 wall thickness 0.5~0.7mm) | 4000-10000 | 50-80 | (%)≥250 |
| PSR-Ma | 乳白Milky White(加厚wall thickening) | 4000-10000 | 50-80 | (%)≥250 |
| PSR-MS | 乳白Milky White(阻燃ßame-resistance) | 4000-10000 | 50-80 | (%)≥250 |
| PSR-MSa | 乳白阻燃加厚Milky WhiteFlame-resistance and Wall thickening | 4000-10000 | 50-80 | (%)≥250 |



深圳市华创威实业有限公司 www.szwcw.store

# 铁氟龙管 High-Temperature Resistant PTFE Tubing

## 产品描述 Product description

耐高温铁氟龙套管采用进口优质聚四氟乙烯树脂、环保色粉，挤压烧结而成。该产品具有耐高温，耐高压，耐腐蚀，良好的自润滑性等特点。

High-Temperature Resistant PTFE Tubing are extruded and sintered from imported high-quality polytetraßuoroethylene resin and eco-friendly color pigments.Featuring excellent high temperature resistance, high voltage and presure resistance, corrosion resistance and superior self-lubricating property.

产品广泛应用于：机械、电子电器、变压器、汽车、航天、化工、通讯等各种领域。

the tubing is widely used in machinery, electronic appliances, transformers, automobiles, aerospace, chemical industry, communication and other Þelds.

咖啡机

制氧机

呼吸机

变压器



铁氟龙管 High-Temperature Resistant PTFE Tubing

| 型号 | 内径（mm） | 外径（mm)(S) | 外径（mm）(T) | 外径（mm）(L) | 包装标准 | |
|---|---|---|---|---|---|---|
| | | | | | 米/盘 | 米/根 |
| 30 | 0.30±0.10 | 0.80+/-0.10 | 0.70±0.10 | 0.60±0.10 | 305 | |
| 28 | 0.38±0.10 | 0.88±0.10 | 0.78±0.10 | 0.68±0.10 | 305 | |
| 26 | 0.46±0.10 | 0.96±0.10 | 0.86±0.10 | 0.76±0.10 | 305 | |
| 24 | 0.56±0.10 | 1.16±0.10 | 1.06±0.10 | 0.86±0.10 | 305 | |
| 23 | 0.66±0.10 | 1.26±0.10 | 1.16±0.10 | 0.96±0.10 | 305 | |
| 22 | 0.71±0.10 | 1.31±0.10 | 1.21±0.10 | 1.01±0.10 | 305 | |
| 21 | 0.81±0.10 | 1.41±0.10 | 1.31±0.10 | 1.11±0.10 | 305 | |
| 20 | 0.86±0.10 | 1.66±0.10 | 1.46±0.10 | 1.16±0.10 | 305 | |
| 19 | 0.96±0.20 | 1.76±0.20 | 1.56±0.20 | 1.26±0.20 | 200 | |
| 18 | 1.07±0.20 | 1.87±0.20 | 1.67±0.20 | 1.37±0.20 | 200 | |
| 17 | 1.19±0.20 | 1.99±0.20 | 1.79±0.20 | 1.49±0.20 | 200 | |
| 16 | 1.34±0.20 | 2.14±0.20 | 1.94±0.20 | 1.64±0.20 | 153 | |
| 15 | 1.50±0.20 | 2.30±0.20 | 2.10±0.20 | 1.80±0.20 | 153 | |
| 14 | 1.68±0.20 | 2.48±0.20 | 2.28±0.20 | 2.08±0.20 | 100 | |
| 13 | 1.93±0.20 | 2.73±0.20 | 2.53±0.20 | 2.33±0.20 | 100 | |
| 12 | 2.16±0.25 | 2.96±0.25 | 2.76±0.25 | 2.56±0.25 | 100 | |
| 11 | 2.41±0.25 | 3.21±0.25 | 3.01±0.25 | 2.81±0.25 | 150 | |
| 10 | 2.69±0.25 | 3.49±0.25 | 3.29±0.25 | 3.09±0.25 | 150 | -- |
| 9 | 3.00±0.25 | 4.00±0.25 | 3.80±0.25 | 3.40±0.25 | 150 | |
| 8 | 3.38±0.25 | 4.38±0.25 | 4.18±0.25 | 3.78±0.25 | 100 | -- |
| 7 | 3.76±0.25 | 4.76±0.25 | 4.56±0.25 | 4.16±0.25 | 100 | -- |
| 6 | 4.22±0.25 | 5.22±0.25 | 5.02±0.25 | 4.80±0.25 | 100 | -- |
| 5 | 4.72±0.25 | 5.72±0.25 | 5.52±0.25 | 5.32±0.25 | 50 | -- |
| 4 | 5.28±0.30 | 6.28±0.30 | 6.08±0.30 | 5.88±0.30 | 50 | 1.0M/根 |
| 3 | 5.94±0.30 | 6.94±0.30 | 6.74±0.30 | 6.54±0.30 | -- | 1.0M/根 |
| 2 | 6.68±0.30 | 7.68±0.30 | 7.48±0.30 | 7.28±0.30 | -- | 1.0M/根 |
| 1 | 7.46±0.30 | 8.46±0.30 | 8.26±0.30 | 8.06±0.30 | -- | 1.0M/根 |
| 0 | 8.38±0.30 | 9.38±0.30 | 9.18±0.30 | 8.98±0.30 | -- | 1.0M/根 |

## 波纹管 Flexible Corrugated Tubing

### 产品描述 Product description

柔性波纹管为您的电缆和电线管理提供了广泛的技术性能应用不仅可以防止机械损伤，还可以防止紫外线辐射、风化和化学物质的影响。柔性车身允许电缆在拐角和弯头处使用。我们还提供分体式设计，便于安装和移动

Flexible Corrugated Tubing offers you wide range technical properties for your cable and wire management applications against not only mechanical damage but also the inßuences of UV radiation ,weathering and chemicals The ßexible body allows for the cablesin the corner and elbow.We also supply the split style for easy installation and removal.

材料 Materials： PP/PE/PA
阻燃 Flame-Resistance： UL94

高耐磨性 Highly abrasion resistance
耐酸 Resist acids
耐溶剂和燃料 Solvents and fuels resistant
耐UV辐射 Resistant to UV radiation
绝缘和保护，防止机械损坏
Insulative and protective,Against mechanical damage
灵活性。轻量的 Flexibility.Lightweight.
易于安装和拆卸 Easy to install and remove
分体式和不分体式 Split style&Not split style

| 种类 Series | 尺寸 Size | 内径 ID | 外径 OD | 壁厚 Wall T. |
|---|---|---|---|---|
| WCW-P(A/P/E)- | AD9.0 | 6.0±0.3 | 9.0±0.3 | 0.27±0.05 |
| WCW-P(A/P/E)- | AD17 | 13±0.3 | 17±0.3 | 0.35±0.08 |
| WCW-P(A/P/E)- | AD22 | 18.1±0.5 | 21.8±0.5 | 0.4±0.08 |
| WCW-P(A/P/E)- | AD34.5 | 29±0.6 | 34.5±0.6 | 0.45±0.1 |
| WCW-P(A/P/E)- | AD42.5 | 36±0.6 | 42.5±0.6 | 0.5±0.12 |
| WCW-P(A/P/E)- | AD48 | 48±0.8 | 54.5±0.8 | 0.5±0.12 |
| WCW-P(A/P/E)- | AD56 | 56±1 | 67±1 | 0.6±0.15 |
| WCW-P(A/P/E)- | AD80 | 66.5±1.0 | 80±1.0 | 0.65±0.15 |



## PET编织网管 PET Expandable Braided Sleeving

### 产品描述 Product description

PET编织网管的设计目的是为电线、电缆、线束、液压管、软管等提供机械保护，以及不规则和规则形状的组件。它们能够扩展到原始内径的两到三倍，便于应用，其开放式编织结构不会捕获热量或水分，从而产生具有成本效益的体积/重量比。适用于军事、工业、海洋航空、运输、电子和制造应用，在这些应用中，机械保护和耐化学品、喷气燃料、柴油、汽油、润滑油、溶剂、液压油、水和盐水是先决条件，需要在宽工作温度范围内具有灵活性。

PET Expandable sleeving is designed to provide mechanical protection to wires,cables,harnesses,hydraulic lines tubes,hoses,etc.,as well as to components of both regular and irregular shapes.Their ability to expand to two or three times their original ID allows for ease of application and their open-weave braid construction,which will not trap heat or moisture,results in a cost-effective bulk/weight ratio are suitable for military, industrial, marine aeronautical,transportation,electronic and manufacturing applications where mechanical protection and resistance to chemicals,jet fuel,diesel fuel,gasoline,lubricating oils,solvents,hydraulic ßuids,water and salt water are prerequisites and ßexibility through a wide-operating temperature range is desired.

耐磨 Abrasion Resistant
修理易去除 Removable For Repair
柔软 Flexible
易于安装 Easy To Install
质量轻 Lightweight
阻燃 Flame Resistance

| 标称 Nominal | 公制 Size | 型号 Part No. | 扩张范围 Expanded Range mm | | 包装 Packing |
|---|---|---|---|---|---|
| 英寸 Inch | 毫米 mm | | 最小内径 Min.ID | 最大内径 Max.ID | 标准长度 Standard spool |
| 1/8" | 3 | WCW-PET-003 | 1 | 6 | 1000m |
| 1/4" | 6 | WCW-PET-006 | 3 | 9 | 500m |
| 5/16 | 8 | WCW-PET-008 | 5 | 16 | 350m |
| 3/8" | 10 | WCW-PET-010 | 7 | 19 | 350m |
| 1/2" | 12 | WCW-PET-012 | 8 | 24 | 300m |
| 5/8" | 16 | WCW-PET-016 | 10 | 27 | 250m |
| 3/4" | 19 | WCW-PET-019 | 14 | 30 | 200m |
| 1" | 25 | WCW-PET-025 | 18 | 35 | 200m |
| 1/4' | 30 | WCW-PET-032 | 20 | 50 | 150m |
| 11/2 | 40 | WCW-PET-038 | 30 | 60 | 100m |
| 2" | 50 | WCW-PET-050 | 40 | 80 | 100m |
| 21/2" | 64 | WCW-PET-064 | 45 | 105 | 100m |

## 自卷管 Self Wrap Braided Sleeving

### 产品描述 Product description

自卷管是以安装简便为首要考虑因素的理想解决方案。横向开口允许管子打开以适应各种捆扎要求，半刚性编织结构只需在整个安装过程中闭合，无需任何额外的紧固件（维可牢尼龙搭扣、胶带等）。它重量轻、噪音小、柔韧性好，可弯曲至狭小半径，不会变形和裂开，可覆盖线路插头、连接器和接头等

It is the ideal solution for situations where ease of installation is of primary importance.The lateral split allows the sleeve to open up to accommodate a wide variety of bundling requirements,and the semi-rigid braid conÞguration simply closes around the entire installation without the need for any additional fasteners(Velcro,tape, etc).It is lightweight,quiet and ßexible enough to bend to a tight radius without distorting and splitting for allowing coverage around in line plugs,connectors and splices.

用于较大或成束的电缆和电线
Used for bigger or bundle cables and wires
易于安装 Easy to install
轻量 柔软 Light weight&ßexible
无卤 Halogen-free
25%边缘重叠 25% Edge overlap
抗UV,抗机械磨损 UV resistance,Abrasion and chemical resistance
振性强，能抑制异响和噪音
High vibration resistance &Rattle and noise suppression
工作温度 Operating Temperature:-40℃~+125℃

| 型号 Type | 展开宽度 Width(mm) | 可使用最小内径 Min ID(mm) | 可使用最大内径 Max ID(mm) | 包装 Packing(m) |
|---|---|---|---|---|
| WCW-SW-003 | 22±2 | 3 | 4 | 200 |
| WCW-SW-008 | 40±2 | 8 | 9 | 100 |
| WCW-SW-010 | 47±2 | 10 | 11 | 100 |
| WCW-SW-019 | 98±2 | 19 | 20 | 50 |
| WCW-SW-025 | 128±2 | 25 | 27 | 50 |
| WCW-SW-038 | 188±3 | 38 | 40 | 25 |
| WCW-SW-050 | 255±3 | 50 | 52 | 25 |



## 热缩管 Heat Shrinkable Tubing

### 产品描述 Product description

无卤无红磷热缩管是由辐照交联聚烯烃材料构成，性能优异，燃烧时低烟低毒，适用于高端防火安全与环保要求高的电线绝缘、焊点防锈、机械防护和线束，广泛应用于地铁站、高速列车、飞机、IT数码产品制造等现代高科技产业领域，环保等级高，不含红磷，在高温高湿环境下，不产生磷酸或磷化氢，安全可靠性高，是所有使用H型、G型的升级产品。

Halogen-free and red phosphorus-free heat shrinkable tubes are manufactured from radiation-crosslinked polyolePn materials with outstanding performance. They produce low smoke and low toxicity during combustion, suitable for wire insulation, solder joint rust prevention, mechanical protection and wiring harness protection in scenarios requiring high-end Þre safety and strict environmental standards. Widely used in modern high-tech industries such as subway stations, high-speed trains, aircraft and IT digital product manufacturing. Boasting a high environmental grade and zero red phosphorus content, they generate no phosphoric acid or phosphine under high temperature and high humidity conditions with superior safety and reliability. They serve as upgraded alternatives for all H-type and G-type products.

### 产品特点 Product Features

- 执行标准：UL224
- 热缩倍率:2:1
- 起始收缩温度:≥+80°C
- 完全收缩温度:≥+125°C
- 使用温度:-55°C~+125°C
- 无卤、无红磷
- 环保标准:RoHS、IPC/JEDEC-J-STD-709、H类材料
- 标准颜色：黑、红、黄、蓝、白(其它颜色可定做)

Standard: Ul224
Shrinkage ratio: 2:1
Initial shrinkage temperature: ≥+80°C
Full contraction temperature: ≥+125°C
Operating temperature: -55°C to +125°C
Halogen-free and phosphorus-free
Environmental Standards: RoHS, IPC/JEDEC-J-STD-709, Class H Materials
Standard Colors: Black, Red, Yellow, Blue, White (Other colors available upon request)



深圳市华创威实业有限公司 www.szwcw.store

## 热缩管 Heat Shrinkable Tubing

### 环保参数

| 性能 | 指标 | 实验方法 |
|---|---|---|
| 镉，Cd<br>铬，Cr<br>汞，Hg<br>铅，Pb | ∑(Cd、Cr、Hg、Pb)≤100为合格，或若(Cd、Cr、Hg、Pb)≥R100，则须(Cd、Hg、Pb)≤100，且Cr≤5为合格 | GB/Z21274-2007<br>GB/Z21275-2007<br>总铬按照EPA3052 |
| 溴，Br (ppm) | ≤900 | Pr EN14582 B |
| 氯，Cl (ppm) | ≤900 | Pr EN14582 B |
| 一至十溴联苯，PBBs | N/A | GB/Z21276-2007 |
| 一至十溴联苯醚，PBDEs | N/A | GB/Z21276-2007 |
| 红磷(ppm) | ≤1000 | PY-GC/MS |

### 产品参数

| 性能 | 实验方法 | 指标 |
|---|---|---|
| 拉伸强度(MPa) | ASTM D 2671 | ≥10.4 |
| 断裂伸长率(%) | ASTMD 2671 | ≥200 |
| 老化后拉伸强度(MPa) | 158°CX168h | ≥7.3 |
| 老化后断裂伸长率 (%) | 158°CX168h | ≥100 |
| 抗冷弯曲 | UL224 (-30°CX1h) | 不龟裂 |
| 阻燃性 | ASTMD2671C法 | VW-1 |
| 绝缘耐压 | UL 224 | 2500V，1min不击穿 |
| 击穿强度(kV/mm) | ASTM D 149 | ≥15 |
| 体积电阻率(Ω·cm) | IEC 60093 | ≥1X10$^{14}$ |
| 铜腐蚀性 | UL 224 (158°CX168h) | 无腐蚀 |



## 150摄氏度热缩管 150℃ Resistance Heat Shrinkable Tubing

### 产品描述 Product description

无卤环保耐高温阻燃热缩管由辐射交联聚烯烃材料构成，阻燃环保、耐高温、无卤无锑、理化电气性能优异，主要功能是高温场所连接件的电绝缘、焊点防锈防腐、机械防护和线束保护，广泛用于电子、通信、汽车、船舶、飞机制造等领域，尤其适用于家用电子香薰炉、电磁炉、电饭煲、微波炉、烤箱等。

Halogen-free, eco-friendly, high-temperature resistant and ßame-retardant heat shrinkable tubes are made of radiation-crosslinked polyolÞn material. They feature ßame retardancy, environmental friendliness, high temperature resistance, halogen and antimony free, as well as excellent physical, chemical and electrical properties. Their main functions include electrical insulation of connectors in high-temperature areas, rust and corrosion prevention for solder joints, mechanical protection and wiring harness protection. They are widely applied in electronics, communications, automobiles, ships, aircraft manufacturing and other Þelds, especially suitable for household electric aromatherapy burners, induction cookers, rice cookers, microwave ovens, ovens, etc.

### 产品特点 Product Features

- ●执行标准：UL224，CAN/CSAC22.2 NO198.1-99，
- ●AMS-DTL-23053/5的1类标准
- ●热缩倍率：2:1
- ●起始收缩温度：≥+84°C
- ●完全收缩温度：≥+135°C
- ●使用温度：-55°C~+150°C
- ●弹性好、低烟、柔软、阻燃
- ●环保标准：RoHS
- ●标准颜色：黑、白、红、黄、绿、蓝等十种国际标准颜色

Compliance Standards: UL224, CAN/CSA C22.2 NO198.1-99, Class 1 standard of AMS-DTL-23053/5
Shrink Ratio: 2:1
Initiating Shrink Temperature: ≥84 °C
Full Shrink Temperature: ≥135 °C
Operating Temperature: -55 °C ~ +150 °C
Good elasticity, low smoke, ßexible and ßame retardant
Environmental Standard: RoHS compliant
Standard Colors: Ten international standard colors including black, white, red, yellow, green and blue

### 产品参数

| 性能 | 实验方法 | 指标 |
|---|---|---|
| 拉伸强度(MPa) | ASTM D 2671 | ≥10.4 |
| 断裂伸长率(%) | ASTM D 2671 | ≥200 |
| 老化后拉伸强度(MPa) | 180°CX168h | ≥7.3 |
| 老化后断裂伸长率 (%) | 180°CX168h | ≥100 |
| 轴向变化率(%) | ASTM D 2671 | -5~+5 |
| 阻燃性 | ASTM D 2671C法 | VW-1 |
| 耐电压(600V) | UL 224 | 2500V,1min不击穿 |
| 热冲击 | UL224(250°CX4h) | 无裂纹，无滴落 |
| 击穿强度(与耐电压二选一)(kV/mm) | ASTM D 149 | ≥15 |
| 体积电阻率 (Ω·cm) | IEC 60093 | ≥10$^{14}$ |



深圳市华创威实业有限公司 www.szwcw.store

## 150摄氏度热缩管 150℃ Resistance Heat Shrinkable Tubing

### 规格表

| 英制规格 (Inch) | 规格 mm | 供货内径 mm | 全缩后尺寸 mm 内径 | 全缩后尺寸 mm 壁厚 | 标准包装 米/盘 | 适用范围 mm |
|---|---|---|---|---|---|---|
| | *Φ0.60/0.35 | ≥0.90 | ≤0.35 | ≥0.33 | 200 | 0.5-0.7 |
| 3/64 | *Φ0.80/0.40 | ≥1.00 | ≤0.40 | ≥0.33 | 200 | 0.6~0.9 |
| 1/16 | *Φ1.00/0.65 | ≥1.60 | ≤0.65 | ≥0.33 | 200 | 0.8~1.2 |
| | *Φ1.50/0.85 | ≥2.00 | ≤0.85 | ≥0.36 | 200 | 1.0~1.6 |
| 3/32 | *Φ2.00/1.00 | ≥2.50 | ≤1.00 | ≥0.44 | 200 | 1.1~1.2 |
| | *Φ2.50/1.25 | ≥3.00 | ≤1.25 | ≥0.44 | 200 | 1.4~2.6 |
| 1/8 | *Φ3.00/1.50 | ≥3.50 | ≤1.50 | ≥0.44 | 200 | 1.7~2.2 |
| | *Φ3.50/1.75 | ≥4.00 | ≤1.75 | ≥0.44 | 200 | 2.0~3.6 |
| | *Φ4.00/2.00 | ≥4.50 | ≤2.00 | ≥0.44 | 200 | 2.2~4.3 |
| | *Φ4.50/2.25 | ≥4.80 | ≤2.25 | ≥0.44 | 100 | 2.5~4.6 |
| | *Φ5.00/2.50 | ≥5.30 | ≤2.50 | ≥0.56 | 100 | 2.7~5.1 |
| | *Φ6.00/3.00 | ≥6.40 | ≤3.00 | ≥0.56 | 100 | 3.2~6.1 |
| | *Φ7.00/3.50 | ≥7.40 | ≤3.50 | ≥0.56 | 100 | 3.7~7.1 |
| | *Φ8.00/4.00 | ≥8.40 | ≤4.00 | ≥0.56 | 100 | 4.2~8.1 |
| 3/8 | *Φ9.00/4.50 | ≥9.30 | ≤4.50 | ≥0.56 | 100 | 4.7~9.1 |
| | *Φ10.00/5.00 | ≥10.3 | ≤5.00 | ≥0.56 | 100 | 5.3~10.1 |
| | *Φ11.00/5.50 | ≥11.3 | ≤5.50 | ≥0.56 | 100 | 5.8~11.1 |
| 1/2 | *Φ12.00/6.00 | ≥12.3 | ≤6.00 | ≥0.56 | 100 | 6.3~12.1 |
| | *Φ13.00/6.50 | ≥13.4 | ≤6.50 | ≥0.69 | 100 | 6.8~13.1 |
| | *Φ14.00/7.00 | ≥14.4 | ≤7.00 | ≥0.69 | 100 | 7.3~14.1 |
| | *Φ15.00/7.50 | ≥15.5 | ≤7.50 | ≥0.69 | 100 | 7.8~15.1 |
| | *Φ16.00/8.00 | ≥16.5 | ≤8.00 | ≥0.69 | 100 | 8.3~16.1 |
| | *Φ17.00/8.50 | ≥17.5 | ≤8.50 | ≥0.69 | 100 | 8.8~17.1 |
| 3/4 | *Φ18.00/9.00 | ≥18.9 | ≤9.00 | ≥0.69 | 100 | 9.3~18.1 |
| | *Φ20/10.00 | ≥21.5 | ≤10.0 | ≥0.77 | 100 | 10.5~21.0 |
| | *Φ22/11.00 | ≥23.4 | ≤11.0 | ≥0.77 | 100 | 11.5~23.0 |
| 1 | *Φ25/12.50 | ≥25.6 | ≤12.5 | ≥0.77 | 50 | 13.0~25.0 |
| | *Φ28/14.00 | ≥29.0 | ≤14.0 | ≥0.87 | 50 | 14.5~27.0 |
| | *Φ30/15.00 | ≥31.5 | ≤15.0 | ≥0.87 | 50 | 17.0~29.0 |
| | *Φ35/17.50 | ≥36.5 | ≤17.5 | ≥0.87 | 50 | 20.0~30.0 |
| 1-1/2 | *Φ40/20.00 | ≥41.5 | ≤20.0 | ≥0.87 | 50 | 22.0~35.0 |
| 2 | *Φ50/25.00 | ≥51.5 | ≤25.0 | ≥0.97 | 25 | 30.0~45.0 |
| | *Φ60/30.00 | ≥60.0 | ≤30.0 | ≥1.07 | 25 | 35.0~50.0 |
| 3 | *Φ70/35.00 | ≥70.0 | ≤35.0 | ≥1.17 | 25 | 40.0~60.0 |
| | *Φ80/40.00 | ≥80.0 | ≤40.0 | ≥1.17 | 25 | 45.0~70.0 |
| 4 | *Φ100/50.00 | ≥100.0 | ≤50.0 | ≥1.17 | 25 | 55.0~85.0 |
| 5 | *Φ120/60.00 | ≥120.0 | ≤60.0 | ≥1.17 | 25 | 65.0~100.0 |
| 6 | *Φ150/70.00 | ≥150.0 | ≤70.0 | ≥1.17 | 25 | 80.0~120.0 |

备注:*规格为非正常套管，按订单要求制造。



## 2:1环保双壁管 Dual Wall Heat Shrinkable Tubing

### 产品描述 Product description

WCW-HST600DW双壁管由柔软阻燃聚烯烃和热熔胶双层构成，外层聚烯烃柔软、阻燃、低温收缩，内层热熔胶能缓冲机械应变和密封性强。主要功能是密封防水、防腐、防漏气，主要应用于电子设备的电线连接、汽车线束、家电线束、电线电缆分支处、金属管线、电线电缆修补、潜水泵接线等需要密封的场合。

The WCW-HST600DW double-wall heat shrinkable tubing consists of two layers: flexible flame-retardant polyolefin and hot-melt adhesive. The outer polyolefin layer features soft texture, flame resistance and low-temperature shrinkability, while the inner hot-melt adhesive layer delivers excellent mechanical strain buffering and superior sealing performance.

Its core functions include waterproof sealing, corrosion protection and air leakage prevention. It is primarily applied to sealing scenarios such as wire connections in electronic devices, automotive wiring harnesses, home appliance wiring harnesses, cable branch points, metal pipelines, cable repair, and submersible pump wiring.

### 产品特点 Feature

- 热缩倍率:2:1 — Shrink Ratio: 2:1
- 起始收缩温度:≥+70°C — Minimum initiating shrink temperature: ≥70°C
- 完全收缩温度:≥+125°C — Minimum full shrink temperature: ≥125°C
- 使用温度:-45°C~+125°C — Operating temperature range: -45°C to +125°C
- 柔软、外层阻燃 — Flexible outer layer with flame retardancy
- 环保标准:RoHS — Compliant with RoHS environmental standard
- 标准颜色:黑(其它颜色可定做) — Standard color: Black (custom colors available)

## 2:1环保双壁管 Dual Wall Heat Shrinkable Tubing

### 外层技术指标

| 性能 | | 实验方法 | 指标 |
|---|---|---|---|
| 拉伸强度(MPa) | Tensile Strength | ASTM D2671 | ≥10.4 |
| 断裂伸长率(%) | Elongation at Break | ASTM D 2671 | ≥200 |
| 老化后拉伸强度(MPa) | Tensile Strength after Aging | 158°C×168h | ≥7.3 |
| 老化后断裂伸长率(%) | Elongation at Break after Aging | 158°C×168h | ≥100 |
| 轴向变化率(%) | Longitudinal Dimensional Change | ASTMD2671 | -8～+8 |
| 阻燃性 | Flame Retardancy | ASTM D 2671B法 | 通过 |
| 击穿强度(kV/mm) | Dielectric Strength | IEC 60243 | ≥15 |
| 体积电阻率(Ω·cm) | Volume Resistivity | IEC60093 | ≥$10^{14}$ |

### 热熔胶技术指标

| 性能 | | 实验方法 | 指标 |
|---|---|---|---|
| 软化点(°C) | Softening Point | ASTM E 28 | 95±5 |
| 吸水率(%) | Water Absorption | ASTM D 570 | <0.2 |
| 剥离强度(PE)(N/25mm) | Peel Strength | ASTM D 1000 | ≥120 |
| 剥离强度(Al)(N/25mm) | Peel Strength | ASTM D 1000 | ≥80 |

### 规格表

| 规格 | | 供货内径 | 全缩后尺寸 mm | | | 标准包装 |
|---|---|---|---|---|---|---|
| 英制 | mm | mm | 内径 | 总壁厚 | 胶层壁厚 | 米/盘，米/根 |
| 1/16 | 1.6 | 1.6 | ≤0.8 | 0.60±0.30 | 0.30±0.2 | 200 |
| 3/32 | 2.4 | 2.4 | ≤1.2 | 0.70±0.30 | 0.35±0.2 | 200 |
| 1/8 | 3.2 | 3.2 | ≤1.6 | 0.70±0.30 | 0.35±0.2 | 200 |
| 3/16 | 4.8 | 4.8 | ≤2.4 | 0.80±0.30 | 0.40±0.2 | 100 |
| 1/4 | 6.4 | 6.4 | ≤3.2 | 0.80±0.30 | 0.40±0.2 | 100 |
| 5/16 | 7.9 | 7.9 | ≤3.9 | 0.90±0.30 | 0.45±0.2 | 100 |
| 3/8 | 9.5 | 9.5 | ≤4.8 | 0.90±0.30 | 0.45±0.2 | 50 |
| 1/2 | 12.7 | 12.7 | ≤6.4 | 0.95±0.40 | 0.45±0.2 | 1.22 |
| 5/8 | 15.9 | 15.9 | ≤7.9 | 0.95±0.40 | 0.45±0.2 | 1.22 |
| 3/4 | 19.1 | 19.1 | ≤9.5 | 1.00±0.40 | 0.45±0.2 | 1.22 |
| 1 | 25.4 | 25.4 | ≤12.7 | 1.10±0.40 | 0.50±0.2 | 1.22 |
| 1-1/4 | 31.8 | 31.8 | ≤ 15 | 1.15±0.40 | 0.50±0.2 | 1.22 |

## 3:1&4:1环保双壁管 Dual Wall Heat Shrinkable Tubing

### 产品描述 Product description

WCW-HST600DW环保双壁管由柔软阻燃聚烯烃和热熔胶双层构成，外层聚烯烃绝缘阻燃材料，内层热熔胶能缓冲机械应变和密封性强。产品主要功能是密封防水，防腐，防漏气与绝缘保护，高倍率收缩特性可满足更多变径元件的防护。主要应用于各类线束、船用电线电缆和金属管需要密封防水防潮防腐蚀场合的密封绝缘、捆扎固定等领域。

WCW-HST600DW eco-friendly double-wall tubing consists of two layers: ßexible ßame-retardant polyolePn and hot-melt adhesive. The outer layer is made of ßame-retardant insulating polyolePn material, while the inner hot-melt adhesive layer delivers excellent mechanical strain buffering and superior sealing performance.
Designed primarily for sealing, waterprooPng, corrosion resistance, air leakage prevention and electrical insulation protection, the product features high shrink ratio to facilitate protection for various reducing-diameter components. It is widely used for sealing, insulation, bundling and Þxing of various wiring harnesses, marine electric wires & cables and metal pipes in applications requiring waterproof, moisture-proof and anti-corrosion protection.

### 产品特点 Feature

| | |
|---|---|
| 执行标准:通过UL认证 | Standard: Ul224 |
| 热缩倍率:3:1,4:1 | Shrink Ratio: 3:1, 4:1 |
| 起始收缩温度:≥+70°C; | Onset Shrink Temperature: ≥+70°C |
| 完全收缩温度:≥+125°C | Full Recovery Temperature: ≥+125°C |
| 使用温度:-45°C～+125°C | Operating Temperature Range: -45°C ～ +125°C |
| 高倍率收缩、外层阻燃、抗紫外线 | Key Properties: High shrink ratio, outer layer ßame retardancy, UV resistance |
| 环保标准:RoHS | Environmental Compliance: RoHS compliant |
| 标准颜色:黑(有十种标准颜色可定做) | Standard Color: Black (ten optional standard colors available for custom orders) |

### SBRS-(4X)G4:1环保双壁管产品规格表

| 规格 | | 供货内径 | 全缩后尺寸 mm | | | 标准包装 |
|---|---|---|---|---|---|---|
| 英制 | mm | mm | 内径 | 总壁厚 | 胶层壁厚 | 米/盘,米/根 |
| 2/13 | 4.0 | ≥ 4.0 | ≤ 1.0 | 1.05±0.3 | 0.50±0.30 | 200 |
| 1/4 | 6.0 | ≥ 6.0 | ≤ 1.5 | 01.15±0.3 | 0.50±0.30 | 100 |
| 5/16 | 8.0 | ≥ 8.0 | ≤ 2.0 | 01.15±0.3 | 0.60±0.30 | 100 |
| 1/2 | 12.0 | ≥ 12.0 | ≤ 3.0 | 01.75±0.3 | 0.60±0.30 | 1.22 |
| 5/8 | 16.0 | ≥ 16.0 | ≤ 4.0 | 02.00±0.3 | 0.70±0.30 | 1.22 |
| 15/19 | 20.0 | ≥ 20.0 | ≤ 5.0 | 02.30±0.4 | 0.70±0.30 | 1.22 |
| 1 | 24.0 | ≥ 24.0 | ≤ 6.0 | 02.60±0.4 | 0.75±0.30 | 1.22 |
| 1-1/4 | 32.0 | ≥ 32.0 | ≤ 8.0 | 03.00±0.5 | 0.90±0.30 | 1.22 |
| 2 | 52.0 | ≥ 52.0 | ≤ 13.0 | 03.35±0.50 | 0.95±0.30 | 1.22 |

深圳市华创威实业有限公司 www.szwcw.store

## 3:1&4:1环保双壁管 Dual Wall Heat Shrinkable Tubing

### 外层技术指标

| 性能 | 实验方法 | 指标 |
|---|---|---|
| 拉伸强度(MPa) | ASTM D 2671 | ≥10.4 |
| 断裂伸长率(%) | ASTM D 2671 | ≥200 |
| 老化后拉伸强度(MPa) | 158°Cx168h | ≥7.3 |
| 老化后断裂伸长率(%) | 158°Cx168h | ≥100 |
| 轴向变化率(%) | ASTM D 2671 | -8~+8 |
| 阻燃性 | ASTM D 2671B法 | 通过 |
| 击穿强度(kV/mm) | IEC 60243 | ≥15 |
| 体积电阻率(Ω·cm) | IEC60093 | $\geq 10^{14}$ |

### 热熔胶技术指标

| 性能 | 实验方法 | 指标 |
|---|---|---|
| 软化点(°C) | ASTM E 28 | 95±5 |
| 吸水率(%) | ASTM D 570 | <0.2 |
| 剥离强度(PE)(N/25mm) | ASTMD 1000 | ≥120 |
| 剥离强度(AI)(N/25mm) | ASTM D 1000 | ≥80 |

### SBRS-(3X)G3:1环保双壁管产品规格表

| 规格 | | 供货内径 | 全缩后尺寸 mm | | | 标准包装 |
|---|---|---|---|---|---|---|
| 英制 | mm | mm | 内径 | 总壁厚 | 胶层壁厚 | 米/盘,米/根 |
| 3/32 | 2.4 | ≥ 2.4 | ≤ 0.8 | 0.80±0.30 | 0.40±0.20 | 200 |
| 1/8 | 3.2 | ≥ 3.2 | ≤ 1.0 | 0.90±0.30 | 0.40±0.20 | 200 |
| 3/16 | 4.8 | ≥ 4.8 | ≤ 1.6 | 1.05±0.30 | 0.40±0.20 | 100 |
| 1/4 | 6.4 | ≥ 6.4 | ≤ 2.2 | 1.25±0.30 | 0.45±0.20 | 100 |
| 5/16 | 7.9 | ≥ 7.9 | ≤ 2.7 | 1.35±0.30 | 0.45±0.20 | 100 |
| 3/8 | 9.5 | ≥ 9.5 | ≤ 3.2 | 1.45±0.30 | 0.50±0.20 | 50 |
| 1/2 | 12.7 | ≥ 12.7 | ≤ 4.2 | 1.65±0.30 | 0.50±0.20 | 1.22 |
| 5/8 | 15.0 | ≥ 15.0 | ≤ 5.2 | 1.80±0.30 | 0.55±0.30 | 1.22 |
| 3/4 | 19.1 | ≥ 19.1 | ≤ 6.3 | 1.95±0.30 | 0.60±0.30 | 1.22 |
| 1 | 25.4 | ≥ 25.4 | ≤ 8.5 | 2.00±0.40 | 0.60±0.30 | 1.22 |
| 1-1/4 | 30.0 | ≥ 30.0 | ≤ 10.2 | 2.15±0.40 | 0.65±0.30 | 1.22 |
| 1-1/2 | 39.0 | ≥ 39.0 | ≤ 13.5 | 2.45±0.40 | 0.75±0.30 | 1.22 |
| 2 | 50.0 | ≥ 50.0 | ≤ 17.0 | 2.75±0.40 | 0.80±0.30 | 1.22 |
| 2-1/2 | 64.0 | ≥ 64.0 | ≤ 21.0 | 3.05±0.40 | 1.05±0.30 | 1.22 |
| 3 | 75.0 | ≥ 75.0 | ≤ 25.0 | 3.05±0.40 | 1.05±0.40 | 1.22 |
| 3-1/2 | 90.0 | ≥ 90.0 | ≤ 30.0 | 3.05±0.50 | 1.05±0.40 | 1.22 |
| 4 | 100.0 | ≥ 100.0 | ≤ 34.0 | 3.10±0.50 | 1.10±0.40 | 1.22 |
| 5 | 125.0 | ≥ 125.0 | ≤ 42.0 | 3.10±0.50 | 1.10±0.40 | 1.22 |

深圳市华创威实业有限公司 www.szwcw.store