



惠州鼎元电子材料有限公司
HUIZHOU DINGYUAN ELECTRONIC MATERIAL CO.,LTD.

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目录

CONTENTS

产品参照表.....02	SST-H高抗拉防水焊锡环热缩中接管 (125°C)29
Cross Reference Number For A-tube	125°C Tensile Solder Sleeve Wire Splices
HSC 防水热缩中接端子.....09	SST-W屏蔽线焊锡热缩终端保护管 (125°C)31
Heat Shrinkable Crimp Splices	125°C Solder Sleeve Shield Terminators
HSHVT 热收缩型端子.....11	SST-SR 防水焊锡环末端封帽.....33
Heat Shrinkable Hook Terminals	Solder Grip Closed End Connector Splices
HSBMT and HSBFT 热收缩型端子.....13	FOSP 光纤保护套管 (大中型)37
Heat Shrinkable Bullet Terminals	Heat Shrinkable Fiber Optic Splice Protector
HSFT HSMT 热收缩型端子.....15	FOSP 光纤保护套管(小微型)39
Heat Shrinkable Female and Male Terminals	Heat Shrinkable Fiber Optic Splice Protector
HSRT热收缩型端子.....17	FOSP 带状光纤保护套管.....41
Heat Shrinkable Ring Terminals	Heat Shrinkable Ribbon Fiber Optic Splice Protector
HSYT 热收缩型端子.....19	BFPS裸纤保护套管.....43
Heat Shrinkable Spade Terminals	Bare Fiber Protection Sleeve
THS端子绝缘保护热缩套管.....21	AED双壁含胶热缩套管47
Heat Shrinkable Tube For Terminals And Crimp Splices	High Shrink Ratio Semi-rigid Polyolefin Tubing
SST-R环保防水焊锡环热缩中接管 (125°C)25	AMC迷你封帽.....49
125°C Rohs Solder Sleeve Wire Splices	Adhesive-lined Semirigid Mini Polyolefin End Caps
SST-S防水焊锡环热缩中接管 (125°C)27	ADT 双壁含胶热缩套管51
125°C Solder Sleeve Wire Splices	Dual Wall Polyolefin Tubing

产品参照表 Cross Reference Number For A-tube

A-tube	Raychem	SUMITUBE	DSG-Canusa	LG	3M	Alpha
AUN	RNF-100	82	CPX-100	GSHS-1635F	FP-301	FIT221
AFK150°C/PVDF	RNF-150	K2		GSHS-1650F		
AFK175°C/PVDF	KYNAR	K	DERAYKY 175		KYNAR	FIT350
AFK200°C	FEP	FEP		GSHS-1675	FEP	FIT400
ADT	ATUM	W3B2	CPA 300	GSHS-3635W	EPS-300	FIT321
AED	ES-2000	SA	DEARSPLICEMELT125	GSHS-4635WS	EPS4000	FIT421
AFED	RPPM					
AFD	PTCM					
AMC	PD CAPS/ ESCAPS					
THS		W3D		GSHS-1625BS		
FOSP	SMOUV	FSP-1	CFSP			
HSC	D-406		CRIMPSESLII		106	FITCRIMP
SST-S	CWT					SLV

公司简介

惠州鼎元电子材料有限公司始建于2006年，是一家专业的热缩材料的生产商和销售商，集科、工、贸、研于一体的多元化新型现代化企业。工厂通过ISO9001标准，是专业生产研发Wire及Cable绝缘保护产品的专业制造商，产品销售遍布世界各地。

目前公司生产的产品广泛适用于电线连接和电缆附件领域，主要使用于电子、医疗、军用、航太、工业仪器、卡车、一般商业民生和海运、通讯等方面。

我们坚持以人为本，以开发促进生产，以质量和信誉赢得市场，贯彻“预防为主，第一次就把工作做好，持续改进，向客户提供最好的产品和最满意的服务。”从而赢得国内外广大客户。“精诚团结、恪守信誉、科技兴业、与时俱进”是我们的企业精神；“挑战极限、精益求精”是我们企业倡导的工作作风；做安全可靠、方便美观的产品是我们的质量宗旨；让客户满意、实现双赢是我们的经营目标。

本公司恪守稳健发展的方针，更好的致力于绝缘热缩套管的开发和销售，更好的回报广大客户和社会，更好的珍惜和服务每一位新老客户，我们随时解答、处理投诉，保证客户利益，维护公司形象。想客户所想，急客户所急是我们的承诺，无论您遇到什么困难、我们都会竭尽全力帮您解决，争取给您一个最满意的解决方案。以专业而进步、以服务而发展。

COMPANY PROFILE

Huizhou Dingyuan Electronic Material Co., LTD is a professional manufacturer and experienced distributor of heat shrinkable material since 2006, product development, research and sale. Our factory have obtained ISO9001 certification and focus on research and development of wire and cable insulation, product sales all over the world.

Presently our tubing is used in a multitude different applications for wire harnesses and cable assemblies. There are multiple applications in commercial electronics, automotive, military, industrial equipment, trucking and marine applications, aerospace, communication and so on. The complete tubing range is an ideal choice for wire and cable management.

We believe in human resource as centered of company and innovation is the key to success in our production, maintaining quality and reputation to win the market. We provide customers with the best products and the most satisfactory service. "Solidarity, good reputation, science and technology, advancing with time" is our enterprise spirit. "The ultimate challenge, excellence" is our enterprise advocating working style. Reliability and safety, convenient and great looking products is our quality tenet. Our business objective is to satisfy our customer and create win-win solution.

The companies adhere to the policy of steady development, better result in insulating heat shrinkable tube to the development, production and sales, better feedback to the customers and society. We promise to reply immediately, guarantee the customer complaint is well handling, to maintain our service quality and customer's benefits.

企业文化

企业精神：责任、创新、敬业、团结

用人原则：挖掘人才、培养人才、重用人才

经营理念：联接可靠、联接创新、联接伙伴

服务理念：至真品质、至诚品格、精益求精、高效快捷

质量方针：一丝不苟、精益求精，生产客户信赖的一流产品；

尊重客户、理解客户，提供客户满意的一流服务

COMPANY CULTURE

Enterprise Spirit

Responsibility, Innovation, Dedication, Solidarity

Recruitment Principle

Scout talents, Cultivate talents, Value talents

Operation Principle

Connecting reliable, Connecting innovation, Connecting partners

Service Principle

Authenticity, Sincerity, Excellence, Efficiency

Quality Policy

Meticulous, Excellence, producing the reliable and top grade product.

Respecting & understanding the customers, providing the satisfied service.

资质认证 Certification



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YD102.E494396
Miscellaneous Tubing, Polymers - Component [Page History](#)

Miscellaneous Tubing, Polymers - Component

See General Information for Miscellaneous Tubing, Polymers - Component

MIZUHOI DINGYUAN ELECTRONIC MATERIAL CO LTD E494396
NO. 81 CONGSHENG VILLAGE FENGSPAN ZHONGKAI HIGH-TECH ZONES.
HUIZHOU, GUANGDONG 516000 CHINA

Cat. No.	Max V Vols	Max Oper Temp, °C	Color Recognized	Oil Resistance (Class - I)	Flam- mability	Sunlight Resistant
Special High Heat Shrinkable Polyolefin tubing with adhesive liner						
THS-88	600	225	red, blue, yellow	-	-	-
THS-98	600	225	blue	-	-	-
THS-68, THS-70, THS-82	600	225	yellow	-	-	-

[*] - Tubing is considered to comply with the optional Oil Resistance requirements only if authorized on the above table and marked "Oil Resistant" (or "Oil Res"), followed by the class (I, II, or III).
 [1] - Tubing is considered to comply with the optional VW-I, Flammability requirements only if it is so marked.
 [2] - Tubing is considered to comply with the All-Tubing Flame test.
 [3] - Tubing is considered to comply with the optional Sunlight Resistance requirements only if marked "Sun Res" (or "Sunlight Resistant").
 [4] - Tubing complies with the Sunlight Resistance requirements and is marked "Sun Res" (or "Sunlight Resistant").

Marking: Company name, catalog designation, inside diameter (before and after recovery for heat-shrinkable tubing), voltage rating, temperature rating in degrees Celsius, and date of manufacture (or trackable code) printed on tags attached to both ends of the tubing or printed on the shipping carton label or smallest unit container in which the product is packaged.

[Link Updated](#) on 2017-09-25



HEAT SHRINKABLE CONNECTOR AND Terminals

热缩型端子



HSC

防水热缩中接端子

Heat Shrinkable Crimp Splices



应用

HSC是由聚烯烃和热熔胶复合生产而成的热收缩套管，用于保护连接、防水防腐蚀，可以在粗糙的环境中加强固定和防震动，具有很好的绝缘保护电子连接器的功能。与常规的连接器相比，具有耐久性、易于安装、安装成本低的优势。

特性

- 收缩率3: 1
- 材料优异的延伸性能，抗机械损害
- 透明度佳，提高更好的抗拉力
- 高弹性能，管材不易变形

操作温度范围

- 操作温度: -55°C ~ 125°C
- 开始收缩温度: 80°C
- 最低完全收缩温度: 130°C

Applications

HSC is a heat shrinkable sleeves made of polyolefin and hot melt adhesive. They are used for protection connection, waterproof and anti-corrosion. It can strengthen the fixing and anti-vibration in a rough environment. It has a good function of insulating and protecting the electronic connector. Durable, easy to install, and low installation cost compared to conventional connectors.

Characteristics

- Shrinkage ratio 3:1
- Excellent stretch and mechanical damage resistance
- Ideally translucent provides tensile strength
- High elasticity keeps steady performance

Operating temperature range

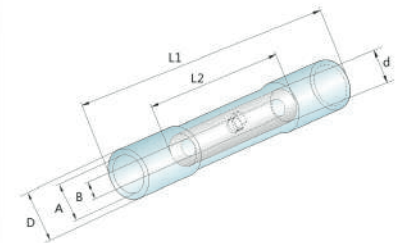
- Operating temperature: -55°C ~ 125°C
- Minimum shrink temperature: 80°C
- fully recovery temperature: 130°C

性能参数 Technical indicators

Test Item	Characteristics	Test condition
Unaged	Tensile strength	Min. 18MPa
	Elongation	Min. 200%
Aged	Tensile strength	Min. 11.5MPa
	Elongation	Min. 100%
Voltage withstand and breakdown Voltage(Unaged)	Withstand 2.5 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 2.5 KV for 1minute and breakdown at least half of unaged breakdown voltage	150°C/7 days
Copper corrosion	No corrosion of bare copper	150°C/7 days
Copper stability	No sign of degradation Min.Elongation 100%	150°C/7 days
Cold bend	No crack	-40°C/4 hrs
Maximum secant modulus(2%)	250 MPa	-
Volume resistivity	Min. 10 ¹² Ω · cm	-
Heat shock	No crack	200°C/4 hrs

产品规格 Product Dimensions

Part. No	Wire Range		Dimension(mm)			Heat shrink tube (mm)			Color
	A.W.G	mm ²	d	B	L _±	D	A	L ₁	
HSC-0.5	26-22	0.2-0.5	2.1	1.3	10	4.1	3.2	26	Yellow/Clear
HSC-1	22-18	0.5-1.0	3.3	1.7	15	5.9	4.7	36	Red
HSC-2	16-14	1.5-2.5	4.0	2.4	15	7.1	5.7	36	Blue
HSC-3	12-10	4.0-6.0	5.5	3.5	15	8.0	6.7	42	Yellow
HSC-3.5	14-12	2.5-4	5.5	4.1	20	7.8	6.5	38	Black
HSC-8	8	10	7.0	4.8	21	9.5	8.0	42	Yellow



HSHTV

热收缩型端子

Heat Shrinkable Hook Terminals



性能参数 Technical indicators			
Test Item	Characteristics		Test condition
Unaged	Tensile strength	Min. 18MPa	Room temp.
	Elongation	Min. 200%	
Aged	Tensile strength	Elongation	150°C/7 days
	Min. 11.5MPa	Min. 100%	
Voltage withstand and breakdown Voltage(Unaged)		Withstand 2.5 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)		Withstand 2.5 KV for 1minute and breakdown at least half of unaged breakdown voltage	150°C/7 days
Copper corrosion		No corrosion of bare copper	150°C/7 days
Copper stability		No sign of degradation Min.Elongation 100%	150°C/7 days
Cold bend		No crack	-40°C/4 hrs
Maximum secant modulus(2%)		250 MPa	-
Volume resistivity		Min. 10 ¹¹ Ω · cm	-
Heat shock		No crack	200°C/4 hrs

产品规格 Product Dimensions									
Part. No	Wire Range		Stud Size(mm)			D	Width (mm) W	Length (mm) L	Color
	A.W.G	mm ²	Size	d ₁	d ₂				
HV 1.25-5	22-18	0.5-1.0	#10	1.7	5.3	4.8	8.0	32	Red
HV 2-5	16-14	1.5-2.5	#10	2.4	5.3	5.8	9.5	33	Blue
HV 5.5-5	12-10	4.0-6.0	#10	3.5	5.3	6.8	9.5	38	Yellow

应用

HSHTV是由聚丙烯和热熔胶复合生产而成的热收缩套管，用于保护连接、防水防腐蚀，可以在粗糙的环境中加强固定和防震动，具有很好的绝缘保护电子连接器的功能。与常规的连接器相比，具有耐久性、易于安装、安装成本低的优势。

特性

- 收缩率3: 1
- 材料优异的延伸性能，抗机械损害
- 透明度佳，提高更好的抗拉力
- 高弹性能，管材不易变形

操作温度范围

- 操作温度: -55°C ~ 125°C
- 开始收缩温度: 80°C
- 最低完全收缩温度: 130°C

Applications

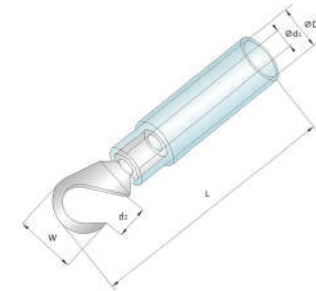
HSHTV are heat shrinkable sleeves made of polyolefin and hot melt adhesive. They are used for protection connection, waterproof and anti-corrosion. It can strengthen the fixing and anti-vibration in a rough environment. It has a good function of insulating and protecting the electronic connector. Durable, easy to install, and low installation cost compared to conventional connectors.

Characteristics

- Shrinkage ratio 3:1
- Excellent stretch and mechanical damage resistance
- Ideally translucent provides tensile strength
- High elasticity keeps steady performance

Operating temperature range

- Operating temperature: -55°C ~ 125°C
- Minimum shrink temperature: 80°C
- fully recovery temperature: 130°C



HSBMT and HSBFT

热收缩型端子

Heat Shrinkable Bullet Terminals



应用

HSBMT、HSBFT是由聚烯烃和热熔胶复合生产而成的热收缩套管，用于保护连接、防水防腐蚀，可以在粗糙的环境中加强固定和防震，具有很好的绝缘保护电子连接器的功能。与常规的连接器相比，具有耐久性、易于安装、安装成本低的优势。

特性

- 收缩率 3: 1
- 材料优异的延伸性能，抗机械损害
- 透明度佳，提高更好的抗拉力
- 高弹性性能，管材不易变形

操作温度范围

- 操作温度: -55℃~125℃
- 开始收缩温度: 80℃
- 最低完全收缩温度: 130℃

Applications

HSBMT and HSBFT are heat shrinkable sleeves made of polyolefin and hot melt adhesive. They are used for protection connection, waterproof and anti-corrosion. It can strengthen the fixing and anti-vibration in a rough environment. It has a good function of insulating and protecting the electronic connector. Durable, easy to install, and low installation cost compared to conventional connectors.

Characteristics

- Shrinkage ratio 3:1
- Excellent stretch and mechanical damage resistance
- Ideally translucent provides tensile strength
- High elasticity keeps steady performance

Operating temperature range

- Operating temperature: -55℃~125℃
- Minimum shrink temperature: 80℃
- fully recovery temperature: 130℃

性能参数 Technical indicators

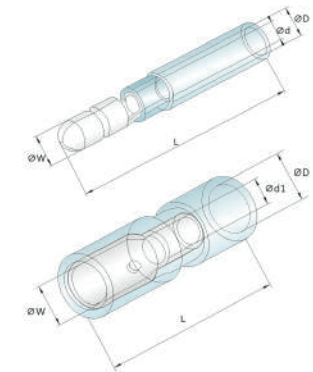
Test Item	Characteristics	Test condition
Unaged	Tensile strengt	Min. 18MPa
	Elongation	Min. 200%
Aged	Tensile strength	Min. 11.5MPa
	Elongation	Min. 100%
Voltage withstand and breakdown Voltage(Unaged)	Withstand 2.5 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 2.5 KV for 1minute and breakdown at least half of unaged breakdown voltage	150℃/7 days
Copper corrosion	No corrosion of bare copper	150℃/7 days
Copper stability	No sign of degradation Min.Elongation 100%	150℃/7 days
Cold bend	No crack	-40℃/4 hrs
Maximum secant modulus(2%)	250 MPa	-
Volume resistivity	Min. 10 ¹² Ω · cm	-
Heat shock	No crack	200℃/4 hrs

产品规格-HSBMT Product Dimensions

Part. No	Wire Range		Stud Size(mm)			Width (mm)	Length (mm)	Color
	A.W.G	mm ²	Size	d	D	W	L	
MPD 1-156	22-18	0.5-1.0	0.35	1.7	4.8	4.0	31	Red
MPD 2-156	16-14	1.5-2.5	0.35	2.4	5.8	4.0	34	Blue
MPD 5-195	12-10	4.0-6.0	0.35	3.5	6.8	5.0	34	Yellow

产品规格-HSBFT Product Dimensions

Part. No	Wire Range		Stud Size(mm)			Width (mm)	Length (mm)	Color
	A.W.G	mm ²	Size	d ₁	D	W	L	
FRD 1-156	22-18	0.5-1.0	0.35	1.7	4.8	4.0	26	Red
FRD 2-156	16-14	1.5-2.5	0.35	2.4	5.8	4.0	26	Blue
FRD 5-195	12-10	4.0-6.0	0.35	3.5	6.8	5.0	29	Yellow



HSFT HSMT

热收缩型端子

Heat Shrinkable Female and Male Terminals

HSFT系列



HSMT系列



应用

HSFT HSMT是由聚烯烃和热熔胶复合生产而成的热收缩套管，用于保护连接、防水防腐蚀，可以在粗糙的环境中加强固定和防震动，具有很好的绝缘保护电子连接器的功能。与常规的连接器相比，具有耐久性、易于安装、安装成本低的优势。

特性

- 收缩率3: 1
- 材料优异的延伸性能，抗机械损害
- 透明度佳，提高更好的抗拉力
- 高弹性能，管材不易变形

操作温度范围

- 操作温度: -55°C ~ 125°C
- 开始收缩温度: 80°C
- 最低完全收缩温度: 130°C

Applications

HSFT and HSMT are heat shrinkable sleeves made of polyolefin and hot melt adhesive. They are used for protection connection, waterproof and anti-corrosion. It can strengthen the fixing and anti-vibration in a rough environment. It has a good function of insulating and protecting the electronic connector. Durable, easy to install, and low installation cost compared to conventional connectors.

Characteristics

- Shrinkage ratio 3:1
- Excellent stretch and mechanical damage resistance
- Ideally translucent provides tensile strength
- High elasticity keeps steady performance

Operating temperature range

- Operating temperature: -55°C ~ 125°C
- Minimum shrink temperature: 80°C
- fully recovery temperature: 130°C

性能参数 Technical indicators

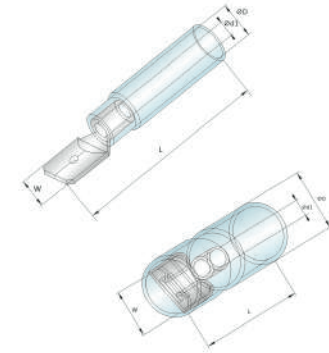
Test Item	Characteristics	Test condition
Unaged	Tensile strength	Min. 18MPa
	Elongation	Min. 200%
Aged	Tensile strength	Min. 11.5MPa
	Elongation	Min. 100%
Voltage withstand and breakdown Voltage(Unaged)	Withstand 2.5 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 2.5 KV for 1minute and breakdown at least half of unaged breakdown voltage	158°C/7 days
Copper corrosion	No corrosion of bare copper	158°C/7 days
Copper stability	No sign of degradation Min.Elongation 100%	158°C/7 days
Cold bend	No crack	-30°C/4 hrs
Maximum secant modulus(2%)	250 Mpa	-
Volume resistivity	Min. 10 ¹² Ω · cm	-
Heat shock	No crack	250°C/4 hrs

产品规格-HSFT Product Dimensions

Part. No	Wire Range		Tab Size(mm)			Width (mm)	Length (mm)	Color
	A.W.G	mm ²	Size	d ₁	D	W	L	
MDD 1-250	22-18	0.5-1.0	0.7	1.7	1.7	6.3	31	Red
MDD 2-250	16-14	1.5-2.5	0.7	2.4	2.4	6.3	31	Blue
MDD 5-250	12-10	4.0-6.0	0.7	3.5	6.7	6.3	33	Yellow

产品规格-HSMT Product Dimensions

Part. No	Wire Range		Tab Size(mm)			Width (mm)	Length (mm)	Color
	A.W.G	mm ²	Size	d ₁	D	W	L	
FDFD 1-250	22-18	0.5-1.0	0.35	1.7	7.0	6.6	29	Red
FDFD 1-250	16-14	1.5-2.5	0.35	2.4	7.0	6.6	30	Blue
FDFD 5-250	12-10	4.0-6.0	0.35	3.5	7.0	6.6	32	Yellow



HSRT

热收缩型端子

Heat Shrinkable Ring Terminals



应用

HSRT是由聚烯烃和热熔胶复合生产而成的热收缩套管，用于保护连接、防水防腐蚀，可以在粗糙的环境中加强固定和防震动，具有很好的绝缘保护电子连接器的功能。与常规的连接器相比，具有耐久性、易于安装、安装成本低的优势。

特性

- 收缩率3: 1
- 材料优异的延伸性能，抗机械损害
- 透明度佳，提高更好的抗拉力
- 高弹性能，管材不易变形

操作温度范围

- 操作温度: -55°C ~ 125°C
- 开始收缩温度: 80°C
- 最低完全收缩温度: 130°C

Applications

HSRT are heat shrinkable sleeves made of polyolefin and hot melt adhesive. They are used for protection connection, waterproof and anti-corrosion. It can strengthen the fixing and anti-vibration in a rough environment. It has a good function of insulating and protecting the electronic connector. Durable, easy to install, and low installation cost compared to conventional connectors.

Characteristics

- Shrinkage ratio 3:1
- Excellent stretch and mechanical damage resistance
- Ideally translucent provides tensile strength
- High elasticity keeps steady performance

Operating temperature range

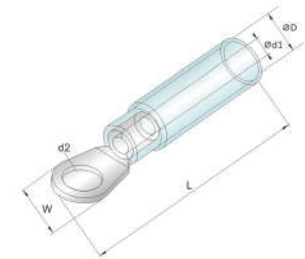
- Operating temperature: -55°C ~ 125°C
- Minimum shrink temperature: 80°C
- fully recovery temperature: 130°C

性能参数 Technical indicators

Test Item	Characteristics	Test condition
Unaged	Tensile strength	Min. 18MPa
	Elongation	Min. 200%
Aged	Tensile strength	Min. 11.5MPa
	Elongation	Min. 100%
Voltage withstand and breakdown Voltage(Unaged)	Withstand 2.5 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 2.5 KV for 1minute and breakdown at least half of unaged breakdown voltage	150°C/7 days
Copper corrosion	No corrosion of bare copper	150°C/7 days
Copper stability	No sign of degradation Min.Elongation 100%	150°C/7 days
Cold bend	No crack	-40°C/4 hrs
Maximum secant modulus(2%)	250 MPa	-
Volume resistivity	Min. 10 ¹² Ω · cm	-
Heat shock	No crack	200°C/4 hrs

产品规格 Product Dimensions

Part. No	Wire Range		Stud Size(mm)				Width (mm)	Length (mm)	Color
	A.W.G	mm ²	Size	d ₁	d ₂	D	W	L	
RV1.25-5	22-18	0.5-1.0	#10	1.7	5.2	4.8	8.0	31	Red
RV 1.25-6	22-18	0.5-1.0	#1/4	1.7	6.2	4.8	11.6	36.5	Red
RV 1.25-8	22-18	0.5-1.0	#5/16	1.7	8.2	4.8	11.6	37	Red
RV 1.25-10	22-18	0.5-1.0	#3/8	1.7	10.3	4.8	13.6	37.5	Red
RV 2-5	16-14	1.5-2.5	#10	2.4	5.2	5.8	8.5	31.5	Blue
RV 2-6	16-14	1.5-2.5	#1/4	2.4	6.2	5.8	12.0	36.5	Blue
RV 2-8	16-14	1.5-2.5	#5/16	2.4	8.2	5.8	12.0	36.5	Blue
RV 2-10	16-14	1.5-2.5	#3/8	2.4	10.3	5.8	13.6	39.5	Blue
RV 5.5-5	12-10	4.0-6.0	#10	3.5	5.2	6.8	9.5	35	Yellow
RV 5.5-6	12-10	4.0-6.0	#1/4	3.5	6.2	6.8	12.0	39	Yellow
RV 5.5-8	12-10	4.0-6.0	#5/16	3.5	8.2	6.8	15.0	44	Yellow
RV 5.5-10	12-10	4.0-6.0	#3/8	3.5	10.3	6.8	15.0	44	Yellow



HSYT

热收缩型端子

Heat Shrinkable Spade Terminals



性能参数 Technical indicators			
Test Item	Characteristics		Test condition
Unaged	Tensile strength	Min. 18MPa	Room temp.
	Elongation	Min. 200%	
Aged	Tensile strength	Min. 11.5MPa	150°C/7 days
	Elongation	Min. 100%	
Voltage withstand and breakdown Voltage(Unaged)	Withstand 2.5 KV for 1minute and breakdown		Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 2.5 KV for 1minute and breakdown at least half of unaged breakdown voltage		150°C/7 days
Copper corrosion	No corrosion of bare copper		150°C/7 days
Copper stability	No sign of degradation Min.Elongation 100%		150°C/7 days
Cold bend	No crack		-40°C/4 hrs
Maximum secant modulus(2%)	250 MPa		-
Volume resistivity	Min. 10 ¹¹ Ω · cm		-
Heat shock	No crack		200°C/4 hrs

产品规格 Product Dimensions										
Part. No	Wire Range		Stud Size(mm)				Width (mm)	Length (mm)	Color	
	A.W.G	mm ²	Size	d ₁	d ₂	D	W	L		
SV1.25-5	22-16	0.5-1.5	#10	1.7	5.2	4.8	8.0	31	Red	
SV2-5	16-14	1.5-2.5	#10	2.4	5.2	5.8	8.0	31	Blue	
SV 5.5-5	12-10	4-6	#10	3.5	5.2	6.8	9.0	36	Yellow	

应用

HSYT是由聚丙烯和热熔胶复合生产而成的热收缩套管，用于保护连接、防水防腐蚀，可以在粗糙的环境中加强固定和防震动，具有很好的绝缘保护电子连接器的功能。与常规的连接器相比，具有耐久性、易于安装、安装成本低的优势。

特性

- 收缩率3: 1
- 材料优异的延伸性能，抗机械损害
- 透明度佳，提高更好的抗拉力
- 高弹性能，管材不易变形

操作温度范围

- 操作温度: -55°C ~ 125°C
- 开始收缩温度: 80°C
- 最低完全收缩温度: 130°C

Applications

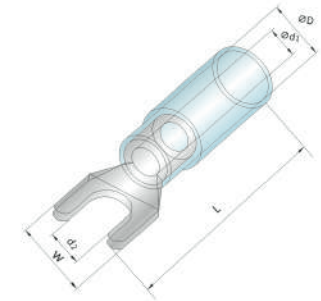
HSYT are heat shrinkable sleeves made of polyolefin and hot melt adhesive. They are used for protection connection, waterproof and anti-corrosion. It can strengthen the fixing and anti-vibration in a rough environment. It has a good function of insulating and protecting the electronic connector. Durable, easy to install, and low installation cost compared to conventional connectors.

Characteristics

- Shrinkage ratio 3:1
- Excellent stretch and mechanical damage resistance
- Ideally translucent provides tensile strength
- High elasticity keeps steady performance

Operating temperature range

- Operating temperature: -55°C ~ 125°C
- Minimum shrink temperature: 80°C
- fully recovery temperature: 130°C



THS

端子绝缘保护热缩套管

Heat Shrinkable Tube For Terminals And Crimp Splices



性能参数 Technical indicators			
Test Item	Characteristics		Test Method
Unaged	Tensile strength	Min. 18MPa	Room temp
	Elongation	Min. 200%	
Aged	Tensile strength	Min. 11.5MPa	158°C/7 days
	Elongation	Min. 100%	
Voltage withstand and breakdown Voltage(Unaged)	Withstand 2.5 KV for 1minute and breakdown		Room temp
Voltage withstand and breakdown Voltage(Aged)	Withstand 2.5 KV for 1minute and breakdown at least half of unaged breakdown voltage		158°C/7 days
Copper corrosion	No corrosion of bare copper		158°C/7 days
Copper stability	No sign of degradation Min.Elongation 100%		158°C/7 days
Cold bend	No crack		-30°C/4 hrs
Maximum secant modulus(2%)	250 MPa		-
Volume resistivity	Min.10 ¹¹ Ω · cm		-
Heat shock	No crack		250°C/4 hrs

产品规格 Product Dimensions				
Part No.	As supplied(mm)		After recovered(mm)	
	D	W	D(MAX)	W
THS-Φ4.8	Φ4.8±0.3	0.50±0.1	Φ1.4	1.1±0.1
THS-Φ5.8	Φ5.8±0.3	0.60±0.1	Φ1.7	1.2±0.1
THS-Φ6.8	Φ6.8±0.3	0.65±0.1	Φ2.1	1.4±0.1
THS-Φ7.0	Φ7.0±0.3	0.65±0.1	Φ2.5	1.5±0.1
THS-Φ8.3	Φ8.3±0.3	0.70±0.1	Φ3.0	1.65±0.1

应用

THS 是由聚烯烃生产的热缩管，内层涂有聚酰胺热熔胶。适用于端子和压接接头，提供出色的防水和耐腐蚀性能，并完全绝缘和保护电气连接。

Applications

Specially designed THS is a heat-shrinkable tube made of polyolefin, and the inner layer is coated with a polyamide hot melt adhesive. Suitable for terminals and crimp joints, providing excellent water and corrosion resistance, fully insulated and protected from electrical connections, provide mechanical and environmental of stub splice in electrical harness. Clear caps allow see-through inspection. Black caps are flame-retardant.

特性

- 收缩率3: 1
- 耐磨抗腐蚀
- 防潮，防水

Characteristics

- Shrinkage ratio 3:1
- Abrasion and corrosion resistance
- Water proof and moisture resistance

操作温度范围

- 操作温度: -55°C ~ 125°C
- 开始收缩温度: 80°C
- 最低完全收缩温度: 130°C

Operating temperature range

- Operating temperature: -55°C ~ 125°C
- Minimum shrink temperature: 80°C
- fully recovery temperature: 130°C





SOLDER SLEEVE WIRE SPLICE

焊锡环热缩中接管



SST-R

环保防水焊锡环热缩中接管 (125°C)

125°C Rohs Solder Sleeve Wire Splices



应用

专为导线连接、焊锡热缩保护、防水一次完成设计的产品。提供良好的绝缘性能并降低安装成本，在热缩管的两端涂上彩色热熔胶，使用精确的导线尺寸非常方便。

特性

- 收缩率2: 1
- 含热熔胶具防水功能
- 热熔胶颜色标示适用尺寸
- 焊锡环设计容易施工

操作温度范围

- 工作温度: -55°C~125°C
- 开始收缩温度: 80°C
- 焊锡开始熔解温度: 115°C
- 焊锡完全熔解温度: 155°C

Applications

One piece design, it consists of transparent heat shrinkable sleeve and fluxed solder. Provides good insulation performance and reduce the installation costs. It is coated with color hot-melt adhesive on both ends of the heat shrinkable tube, it is very convenient use the precise wire dimension.

Characteristics

- Shrinking ratio 2:1
- Waterproof for wiring splices
- Transparent sleeve provides precise inspection
- Easy control soldering process

Operating temperature range

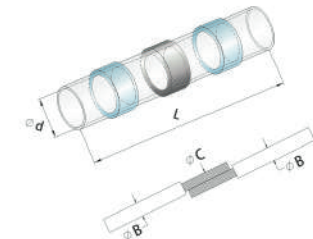
- Operating temperature: -55°C~125°C
- Minimum shrink temperature: 80°C
- Starting temperature of solder melt: 115°C
- Complete melting temperature of solder: 155°C

性能参数 Technical indicators

Test Item	Characteristics	Test Method
Unaged	Tensile strength	Min. 14MPa
	Elongation	Min. 400%
Aged	Tensile strength	Min. 10MPa
	Elongation	Min. 200%
Voltage withstand and breakdown Voltage(Unaged)	Withstand 1 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 1 KV for 1minute and breakdown at least half of unaged breakdown voltage	150°C/7 days
Cold bend	No crack	-40°C/4 hrs
Maximum secant modulus(2%)	250M Pa	-
Volume resistivity	Min. 10 ¹² Ω · cm	-
Heat shock	No crack	200°C/4 hrs

产品规格 Product Dimensions

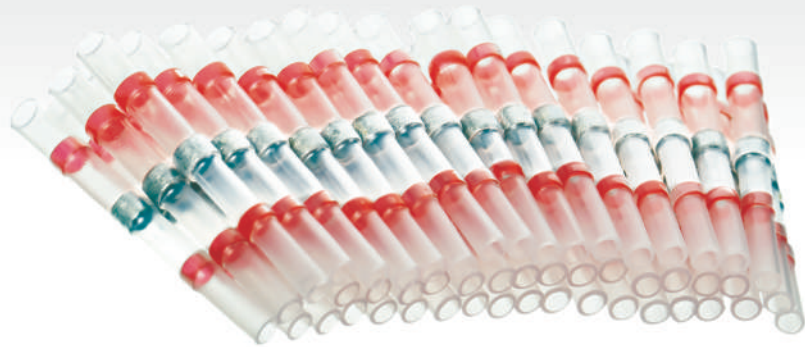
Part No.	Product Dimensions (mm)		Wire Dimensions (mm)			Wire Range		Color
	d(min.)	L(min.)	B(min.)	B&C(max.)	C(min.)	A.W.G	mm ²	
SST-R11	1.7	26	1.0	1.7	0.76	26-24	0.25-0.34	White
SST-R21	2.7	40	1.4	2.7	1.2	22-18	0.5-1.0	Red
SST-R31	4.7	40	2.3	4.7	2.0	16-14	1.5-2.5	Blue
SST-R41	6.0	40	3.7	6.0	3.4	12-10	4.0-6.0	Yellow



SST-S

防水焊锡环热缩中接管 (125°C)

125°C Solder Sleeve Wire Splices



应用

专为导线连接、焊锡热缩保护、防水一次完成设计的产品。提供良好的绝缘性能降低安装成本，在热缩管的两端涂上彩色热熔胶，使用精确的导线尺寸非常方便。

特性

- 收缩率2:1
- 含热熔胶具防水功能
- 热熔胶颜色标示适用尺寸
- 焊锡环设计容易施工

操作温度范围

- 工作温度: -55°C~125°C
- 开始收缩温度: 80°C
- 焊锡开始熔解温度: 115°C
- 焊锡完全熔解温度: 150°C

Applications

One piece design, it consists of transparent heat shrinkable sleeve and fluxed solder. Provides good insulation performance and reduce the installation costs. It is coated with color hot-melt adhesive on both ends of the heat shrinkable tube, it is very convenient use the precise wire dimension.

Characteristics

- Shrinking ratio 2:1
- Waterproof for wiring splices
- Transparent sleeve provides precise inspection
- Easy control soldering process

Operating temperature range

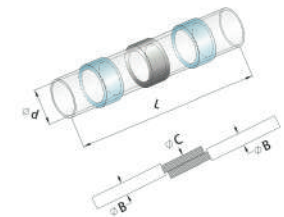
- Operating temperature: -55°C~125°C
- Minimum shrink temperature: 80°C
- Starting temperature of solder melt: 115°C
- Complete melting temperature of solder: 150°C

性能参数 Technical indicators

Test Item	Characteristics	Test Method
Unaged	Tensile strength	Min. 14MPa
	Elongation	Min. 400%
Aged	Tensile strength	Min. 10MPa
	Elongation	Min. 200%
Voltage withstand and breakdown Voltage(Unaged)	Withstand 1 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 1 KV for 1minute and breakdown at least half of unaged breakdown voltage	150°C/7 days
Cold bend	No crack	-40°C/4 hrs
Maximum secant modulus(2%)	250M Pa	-
Volume resistivity	Min. 10 ¹⁰ Ω · cm	-
Heat shock	No crack	200°C/4 hrs

产品规格 Product Dimensions

Part No.	Product Dimensions (mm)		Wire Dimensions (mm)			Wire Range		Color
	d(min.)	L(min.)	B(min.)	B&C(max.)	C(min.)	A.W.G	mm ²	
SST-R11	1.7	26	1.0	1.7	0.76	26-24	0.25-0.34	White
SST-R21	2.7	40	1.4	2.7	1.2	22-18	0.5-1.0	Red
SST-R31	4.7	40	2.3	4.7	2.0	16-14	1.5-2.5	Blue
SST-R41	6.0	40	3.7	6.0	3.4	12-10	4.0-6.0	Yellow



SST-H

高抗拉防水焊锡环热缩中接管 (125°C)

125°C Tensile Solder Sleeve Wire Splices



应用

一件式设计，由彩色透明的双壁热缩套管和预涂助焊剂焊锡环组成。提供良好的焊接性和绝缘性并降低安装成本，彩色双壁热缩管提供优异的防水密封效果。

特性

- 收缩率3: 1
- 含热熔胶具防水功能
- 管材颜色标示适用尺寸
- 高抗拉力
- 焊锡环设计容易施工

操作温度范围

- 工作温度: -55°C~125°C
- 开始收缩温度: 80°C
- 焊锡开始熔解温度: 115°C
- 焊锡完全熔解温度: 150°C

Applications

One piece design, it consists of a color transparent double-wall heat shrinkable sleeve and a pre-coated flux soldering .Provides good weldability and insulation, reduces the installed cost.Color double-wall heat-shrink tubing provides excellent waterproof sealing.

Characteristics

- Shrinking ratio3:1
- Waterproof for wiring splices
- Transparent sleeve provides precise inspection
- Ideally translucent provides tensile strength
- Easy control soldering process

Operating temperature range

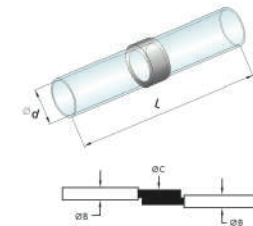
- Operating temperature : -55°C~125°C
- Minimum shrink temperature : 80°C
- Starting temperature of solder melt: 115°C
- Completa melting temperature of solder: 150°C

性能参数 Technical indicators

Test Item	Characteristics	Test Method
Unaged	Tensile strength	Min. 14MPa
	Elongation	Min. 400%
Aged	Tensile strength	Min. 10MPa
	Elongation	Min. 200%
Voltage withstand and breakdown Voltage(Unaged)	Withstand 1 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)	Withstand 1 KV for 1minute and breakdown at least half of unaged breakdown voltage	150°C/7 days
Cold bend	No crack	-40°C/4 hrs
Maximum secant modulus(2%)	250M Pa	-
Volume resistivity	Min. 10 ¹¹ Ω · cm	-
Heat shoc	kNo crack	200°C/4 hrs

产品规格 Product Dimensions

Part No.	Product Dimensions (mm)		Wire Dimensions (mm)			Wire Range		Color
	d(min.)	L(min.)	B(min.)	B&C (max.)	C(min.)	A.W.G	mm ²	
SST-H-11	1.7	40	1.0	1.7	0.76	26-24	0.25-0.34	White
SST-H-21	2.7	40	1.4	2.7	1.2	22-18	0.5-1.0	Red
SST-H-31	4.7	40	2.3	4.7	2.0	16-14	1.5-2.5	Blue
SST-H-41	6.0	40	3.7	6.0	3.4	12-10	4.0-6.0	Yellow



SST-W

屏蔽线焊锡热缩终端保护管 (125°C)

125°C Solder Sleeve Shield Terminators



应用

屏蔽线焊锡环为一件式设计，易于安装且安装成本低。透明绝缘套管提供封装，应力消除和绝缘等功能，其透明性便于检查连接情况。预涂助焊剂焊锡环可牢靠焊接产品。两端热熔胶环可提供优异的密封防水功能。主要应用是电缆屏蔽层的接地线焊接或同轴电缆和电线的连接。

特性

- 收缩率2: 1
- 抗外力摩擦，化腐蚀性性能佳
- 透明热缩管提供精确的检视功能

操作温度范围

- 工作温度: -55°C~125°C
- 开始收缩温度: 80°C
- 焊锡开始熔解温度: 115°C
- 焊锡完全熔解温度: 150°C

Applications

The shielded wire solder ring is a one-piece design that is easy to install and low in installation cost. The transparent insulating sleeve provides functions such as encapsulation, stress relief and insulation, and its transparency makes it easy to check the connection. The pre-coated flux solder ring is reliable for soldering products. Hot melt adhesive rings on both ends provide excellent sealing and waterproofing. The main application is the grounding wire soldering of the cable shield or the connection of coaxial cables and wires.

Characteristics

- Shrinking ratio: 2:1
- Abrasion and chemical corrosion resistance
- Transparent sleeve provides precise inspection

Operating temperature range

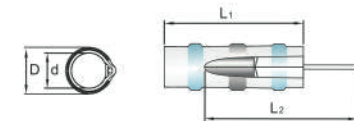
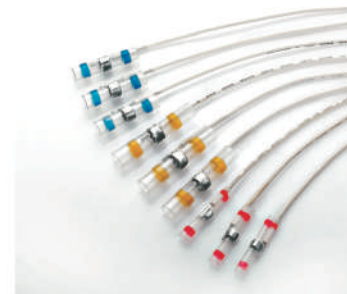
- Operating temperature: -55°C~125°C
- Minimum shrink temperature: 80°C
- Starting temperature of solder melt: 115°C
- Complete melting temperature of solder: 150°C

性能参数 Technical indicators

Test Item		Characteristics	Test Method
Unaged	Tensile strength	Min. 14MPa	Room temp.
	Elongation	Min. 400%	
Aged	Tensile strength	Min. 10MPa	150°C/7 days
	Elongation	Min. 200%	
Voltage withstand and breakdown Voltage(Unaged)		Withstand 1 KV for 1minute and breakdown	Room temp.
Voltage withstand and breakdown Voltage(Aged)		Withstand 1 KV for 1minute and breakdown at least half of unaged breakdown voltage	150°C/7 days
Cold bend		No crack	-40°C/4 hrs
Maximum secant modulus(2%)		250M Pa	-
Volume resistivity		Min. 10 ¹⁰ Ω · cm	-
Heat shoc		kNo crack	200°C/4 hrs

产品规格 Product Dimensions

Part No.	Heat shrink tube (mm)		Solder sleeve (mm)		Shield terminators (mm)	
	D	L ₁	d	H	OD	L ₂
SST-W-21	4.7	40	2.8	3.2	1.0	180
SST-W-31-2	7.0	31	7.3	4.2	1.0	180
SST-W-31-3	10.9	34	11.5	4.2	1.0	180
SST-W-31-4	4.6	21	4.8	3.0	1.0	180
SST-W-31-5	4.6	30	4.8	4.2	1.0	180
SST-W-31-7	7.0	20	7.3	3.0	1.0	180
SST-W-31-8	17.2	56	17.8	6.0	1.0	180
SST-W-31-9	12.5	47	14.0	4.5	1.0	180
SST-W-31-10	8.5	36	9.0	4.5	1.0	180



SST-SR

防水焊锡环末端封帽

Solder Grip Closed End Connector Splices



应用

防水焊锡环末端封帽是由一个含有色玻璃珠、方型铜线塔、焊锡环、热熔胶环和热缩套管组成，用于多股电线末端密封连接。它独特地结合了防水、线束固定和焊锡焊接多股线末端密封连接。产品设计是可靠的末端密封不同规格的电线在一个单一的设备里。产品防水、耐油、环保、容易安装。

特性

- 焊接连接
- 电气绝缘
- 密封，消除应力
- 安装简单

操作温度范围

- 工作温度: -40°C~125°C
- 开始收缩温度: 150°C
- 完全收缩温度: 175°C
- 焊锡开始溶解温度: 138°C
- 焊锡完全溶解温度: 160°C

Applications

The waterproof solder end cap is composed of a colored glass bead, a square copper wire tower, a solder ring, a hot melt adhesive ring, and a heat shrinkable sleeve, which is used for the sealing connection of multiple wire ends. It uniquely combines waterproof, wire clip fixing and soldered multi-strand end sealing connection

Characteristics

- Soldered connection
- Electrical insulation
- Sealed for strain relief
- Simple installation

Operating temperature range

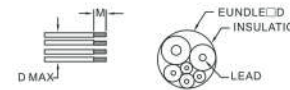
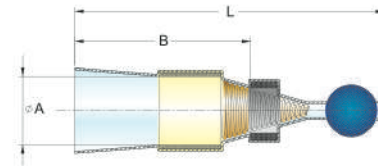
- Operating temperature: -40°C~125°C
- Minimum shrink temperature: 150°C
- Fully recovery temperature: 175°C
- Starting temperature of solder melt: 138°C
- Minimum fully recovery temperature: 160°C

性能参数 Technical indicators

Operating Temperature	-40°C~+125°C
Voltage Resistant	600V
Protection type	IP67
Volume Resistivity ($\Omega \cdot \text{cm}$):	$\geq 10^{13}$
Dielectric Strength (KV/mm)	2.0

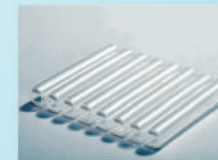
产品规格 Product Dimensions

Part No.	Ball Color	Product Dimensions (mm)			Copper Cross Section (mm ²)		Bundle Diameter (mm)	
		L ± 3.5	ΦA	B	Min(CMA)	Max(CMA)	ΦD max	M ± 1 (M ± 0.04)
SST-SR01	Green	38.3	3.6+0.4/-0.2	26.0 ± 2.0	0.7(1400)	2.4(4800)	3.3	15.0
SST-SR02	Red	37.7	5.0+0.7/-0.2	23.5 ± 2.0	2.0(4000)	4.0(8000)	4.5	15.0
SST-SR03	Blue	45.5	7.5+0.9/-0.2	26.5 ± 2.0	3.5(7000)	8.0(16000)	7.0	15.0
SST-SR04	Yellow	45.0	9.4+0.9/-0.3	25.5 ± 3.0	7.5(15000)	12.0(24000)	9.0	15.0



HEAT SHRINKABLE RIBBON FIBER OPTIC SPLICE PROTECTOR

光纤保护套管



FOSP

光纤保护套管 (大中型)

Heat Shrinkable Fiber Optic Splice Protector



应用

由加强型的钢针 (陶瓷棒、玻纤棒), 热熔管和交联的聚烯烃组成, 可以重建光纤的覆盖层并可以在连接处提供良好的机械强度, 保证良好的光学传送性能。

特性

- 具有很好的防潮和环保性能
- 透明的套管可以在收缩前更好的连接
- 可以很方便地使用, 并避免在安装过程中对光纤的损坏
- 彩色型光纤保护套管可以方便操作

操作温度范围

- 操作温度: -45°C ~ 100°C
- 最低收缩温度: 80°C
- 最低完全收缩温度: 120°C

Applications

Special design by the cross linking polyolefin melt pipe, and composed of cerami(Quartz glass)fiber connection protection components, no influence of fiber optical properties

Characteristics

- Moisture resistant for environmental protection
- Clear sleeve make it easy to detect splice before shrinkage
- Easily use and avoid any damages to the optical fiber during installation
- Color optical fiber splice protector is very convenience for installation

Operating temperature range

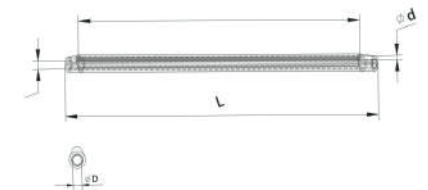
- Operating temperature : -45°C ~ 100°C
- Minimum shrink temperature : 80°C
- Minimum fully recovery temperature : 120°C

性能参数 Technical indicators

Test Item	Characteristics	Test Method
Tensile strength	18MPa	ASTM D 2671
Elongation at break	700%	ASTM D 2671
Density	$0.94\text{g}/\text{cm}^3$	ISO R1183D
Dielectric strength	25KV/mm	ASTM D 2671
Volume resistance	$10^{15}\Omega \cdot \text{cm}$	IEC243
Length changes	$\pm 5\%$	ASTM D 2671

产品规格 Product Dimensions

Part NO.	D after Recovery(mm)	Length (mm)	Fusion tube(D)		Steel rod(d)	
			D(mm)	L(mm)	d(mm)	l(mm)
Larger Sleeves						
FOSP-61	3.0 ± 0.1	60	1.5	61	1.5	56
FOSP-60	3.0 ± 0.1	60	1.5	60	1.5	56
FOSP-60B	2.8 ± 0.1	60	1.3	60	1.5	56
FOSP-50	3.0 ± 0.1	50	1.5	50	1.5	46
FOSP-45	3.0 ± 0.1	45	1.5	45	1.5	41
FOSP-40	3.0 ± 0.1	40	1.5	40	1.5	36
FOSP-23	3.0 ± 0.1	23	1.5	23	1.5	18
Standard Sleeves						
FOSP-60M	2.6 ± 0.1	60	1.3	60	1.2	56
FOSP-50M	2.6 ± 0.1	50	1.3	50	1.2	46
FOSP-45M	2.6 ± 0.1	45	1.3	45	1.2	41
FOSP-40M	2.6 ± 0.1	40	1.3	40	1.2	36
FOSP-30M	2.6 ± 0.1	30	1.3	30	1.2	26
FOSP-25M	2.6 ± 0.1	25	1.3	25	1.2	21
FOSP-60AM	2.6 ± 0.1	60	1.4	60	1.1	56



FOSP

光纤保护套管(微型)

Heat Shrinkable Fiber Optic Splice Protector



应用

由加强型的钢针（陶瓷棒、玻纤棒），热熔管和交联的聚烯烃组成，可以重建光纤的覆盖层并可以在连接处提供良好的机械强度，保证良好的光学传送性能。

Applications

It consists of reinforced steel needles (ceramic rods, fiberglass rods), hot melt tubes and cross-linked polyolefin. To rebuild the coating of fiber to provide mechanical strength at the fusion joint area and keep good optical transmission properties.

特性

- 具有很好的防潮和环保性能
- 透明的套管可以在收缩前更好的连接
- 可以很方便地使用，并避免在安装过程中对光纤的损坏
- 彩色型光纤保护套管可以方便操作

Characteristics

- Moisture resistant for environmental protection
- Clear sleeve make it easy to detect splice before shrinkage
- Easily use and avoid any damages to the optical fiber during installation
- Color optical fiber splice protector is very convenience for installation

操作温度范围

- 操作温度: -45°C~100°C
- 最低收缩温度: 80°C
- 最低完全收缩温度: 120°C

Operating temperature range

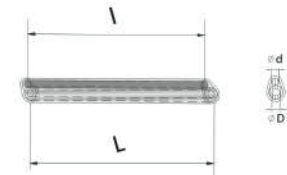
- Operating temperature : -45°C~100°C
- Minimum shrink temperature : 80°C
- Minimum fully recovery temperature : 120°C

性能参数 Technical indicators

Test Item	Characteristics	Test Method
Tensile strength	18MPa	ASTM D 2671
Elongation at break	700%	ASTM D 2671
Density	0.94g/cm ³	ISO R 1183D
Dielectric strength	25KV/mm	ASTM D 2671
Volume resistance	10 ¹⁰ Ω · cm	IEC243
Length changes	± 5%	ASTM D 2671

产品规格 Product Dimensions

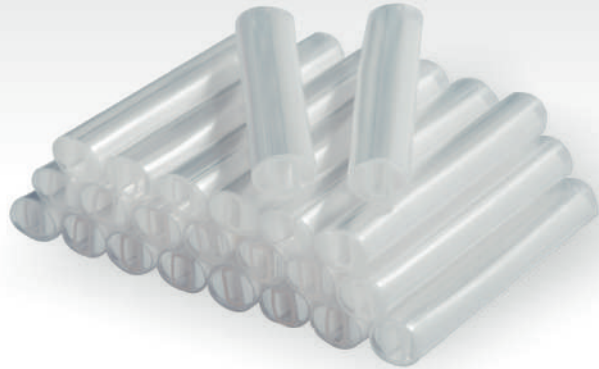
Part NO.	D after Recovery(mm)	Length (mm)	Fusion tube(D)		Steel rod(d)	
			D(mm)	L(mm)	d(mm)	l(mm)
Mini Sleeves						
FOSP-60T	2.0±0.1	60	0.5	60	1.0	56
FOSP-40T	2.0±0.1	40	0.5	40	1.0	36
FOSP-60A	2.4±0.1	60	1.4	60	1.0	56
FOSP-40A	2.4±0.1	40	1.4	40	1.0	36
FOSP-30A	2.4±0.1	30	1.4	30	1.0	26
FOSP-25A	2.5±0.1	25	1.4	25	1.0	21
FOSP-45A	2.4±0.1	45	1.4	45	1.0	41
Micro Sleeve						
FOSP-40T-S	1.5±0.1	40	0.5	40	0.7	39.5
FOSP-40T-S	1.9±0.1	40	1.2	40	0.7	39.5
FOSP-45TS	1.9±0.1	45	1.2	45	0.7	44.5
FOSP-40S	1.4±0.1	40	0.5	40	0.5	39.5
FOSP-25S	1.4±0.1	25	0.5	25	0.5	24.5
FOSP-30S	1.4±0.1	30	0.5	30	0.5	29.5
FOSP-18S	1.4±0.1	18	0.5	18	0.5	17
FOSP-15S	1.4±0.1	15	0.5	15	0.5	15
FOSP-10S	1.4±0.1	10	0.5	10	0.5	10



FOSP

带状光纤保护套管

Heat Shrinkable Ribbon Fiber Optic Splice Protector



应用

特殊设计由交联聚烯烃，热熔管和增强陶瓷（石英玻璃）组成的光纤接续保护元件，不影响光纤的光导特性

特性

- 保护接续点，提高机械强度
- 操作简单，降低安装时损伤光纤的危险
- 密封结构使接续具备良好的耐温度、湿度性能

操作温度范围

- 操作温度: -45°C~100°C / -45°C~135°C
- 最低收缩温度: 80°C
- 最低完全收缩温度: 120°C

Applications

Special design by the cross linking polyolefin melt pipe, and composed of cerami(Quartz glass)fiber connection protection components, no influence of fiber optical properties

Characteristics

- Protect and improve in mechanical strength
- Simple operation, reduce the risk of fiber damage during installation
- Seal structure, good resistant of temperature and humidity

Operating temperature range

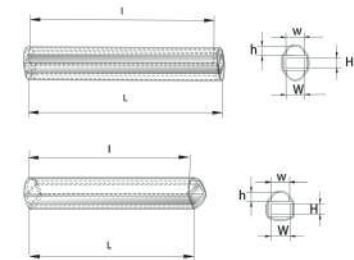
- Operating temperature : -45°C~100°C / -45°C~135°C
- Minimum shrink temperature : 80°C
- Minimum fully recovery temperature : 120°C

性能参数 Technical indicators

Test Item	Characteristics	Test method
Tensile strength	16MPa	ASTM D2671
Elongation at break	700%	ASTM D2671
Density	0.94g/cm ³	ISO R1183D
Dielectric strength	25KV/mm	IEC243
volume resistance	10 ¹³ Ω · cm	IEC243
Length changes	±5%	ASTM D2671

产品规格 Product Dimensions

Specifications	L(mm)	H*W (mm)	Ceramic rods		
			l (mm)	w (mm)	h (mm)
FOSP-4RD	41.5±0.5	1.2*2.2	39.5±0.5	3.0±0.1	1.5±0.1
FOSP-4RS	41.5±0.5	1.2*2.2	39.5±0.5	3.0±0.1	1.5±0.1
FOSP-6RD	41.5±0.5	1.2*2.7	39.5±0.5	3.0±0.1	1.5±0.1
FOSP-6RS	41.5±0.5	1.2*2.7	39.5±0.5	3.0±0.1	1.5±0.1
FOSP-8RD	41.5±0.5	2.3*3.6	39.5±0.5	4.0±0.1	2.0±0.1
FOSP-8RS	41.5±0.5	2.3*3.6	39.5±0.5	4.0±0.1	2.0±0.1
FOSP-12RD	41.5±0.5	2.5*3.8	39.5±0.5	4.0±0.1	2.0±0.1
FOSP-12RS	41.5±0.5	2.5*3.8	39.5±0.5	4.0±0.1	2.0±0.1
FOSP-6RDT	41.5±0.5	2.8*1.7	39.5±0.5	3.0±0.1	1.5±0.1
FOSP-12RDT	41.5±0.5	3.5*2.2	39.5±0.5	4.0±0.1	1.5±0.1
FOSP-6TR	40.5±0.5	2.8*1.6	39.5±0.5	3.45±0.5	1.6±0.1
FOSP-8TR	41.5±0.5	2.2*3.5	39.5±0.5	3.45±0.1	1.65±0.1



BFPS

裸纤保护套管

Bare Fiber Protection Sleeve



性能参数 Technical indicators

Test Item	Characteristics	Test Method
Tensile strength	18MPa	ASTM D 2671
Elongation at break	700%	ASTM D 2671
Density	0.94g/cm ³	ISO R1183D
Dielectric strength	25KV/mm	IEC243
volume resistance	10 ¹⁰ Ω·cm	IEC243
Length changes	± 5%	ASTM D 2671

产品规格 Product Dimensions

Part.No	D or H*W (mm)	W(mm)	Shape
BFPS1400	1.4	0.3	circle
BFPS2000	2.0	0.5	circle
BFPS3500	3.5	1.0	circle
BFPS2434	2.4*3.4	1.0	square
BFPS3050	3.0*5.0	1.0	square

应用

本产品由聚烯烃制成，专门为配线架/交接箱内裸光纤而设计的保护元件；

Applications

This product by the polyolefin material, specifically for distributing frame and junction box bare fiber design protection element;

特性

- 韧性强，操作简单，降低安装时损伤光纤的危险
- 工作温度高，使用范围广
- 形状多样，适用于各种裸光纤

Characteristics

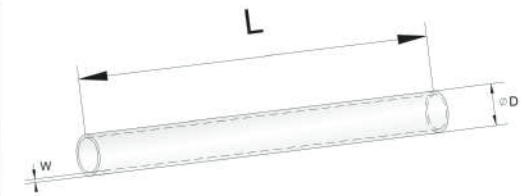
- Strong toughness, simple operation, reduces the installation damage fiber risk;
- The high working temperature, the use for big range;
- The variety of shapes, and suitable for various optical fiber

操作温度范围

- 操作温度: -55°C~100°C
- 最低熔化温度: 120°C

Operating temperature range

- Operating temperature : -55°C~100°C
- Minimum melt temperature : 120°C





ADHESIVE-LINE POLYOLEFIN TUBING

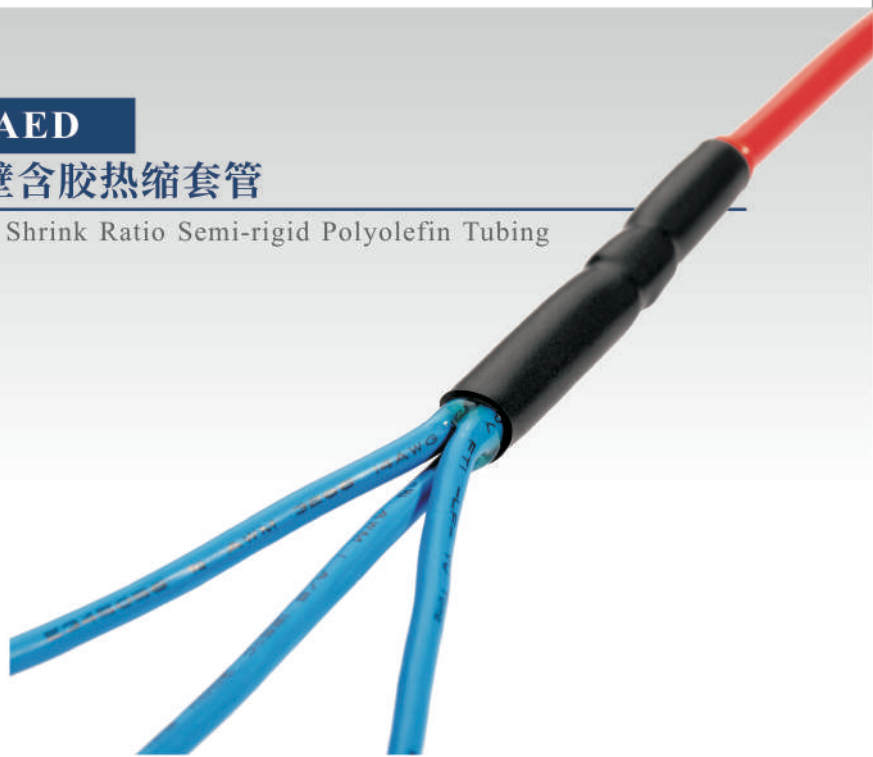
含胶型热收缩套管



AED

双壁含胶热缩套管

High Shrink Ratio Semi-rigid Polyolefin Tubing



应用

AED汽车线束防水热缩套管，专为汽车工业电子元件、线束绝缘保护及防水所设计，有较高的4:1收缩比例和耐高温的聚酰胺热熔胶。能与水分作充足阻隔并保护线束避免腐蚀及受潮，外壁为半硬耐磨材质聚烯烃，对于汽车严格的环境提供充分的保护。

特性

- 收缩率：4:1
- 优异的密封防水性能
- 优异的耐油，耐化学腐蚀性性能
- 半硬耐磨阻燃材质

操作温度范围

- 操作温度：-55℃~130℃
- 开始收缩温度：110℃
- 最低完全收缩温度：135℃

Applications

Specially designed to insulate, seal and protect wire splices, terminations and components in automotive industrial. High shrink ratio 4:1 and high temperature resistant and corrosion. Semi-rigid outer wall provides excellent abrasion protection and strain relief for strict environment requirement.

Characteristics

- Shrinkage ratio :4:1
- Absolutely seal and waterproof
- Excellent resistance to oil, diesel and hydraulic fluids
- Semi-rigid flame retardant and abrasion resistance

Operating temperature range

- Operating temperature : -55℃~130℃
- Minimum shrink temperature: 110℃
- Minimum fully recovery temperature : 135℃

性能参数 Technical indicators

Test Item	Characteristics	Test Method
Tensile strength	>14MPa	ASTM D 2671
Tensile strength after aging 158℃,168hrs	Remains 70%	ASTM D 2671
Elongation at break	>200%	ASTM D 2671
Elongation at break after aging 168℃, 168hrs	>100%	ASTM D 2671
Longitudinal shrinkable	0-10%	UL223
Heat shock	No cracking,no dropping	250℃,4hrs
Cold bend	No cracking	ASTM D 2671
Voltage withstand	No breakdown	ASTM D 2671
Volume resistance	>10 ¹⁰ Ω·cm	ASTM D 876
Flammability	Self extinguish in 30 sec	SAE-AMS-DTL-2353/5
Copper corrosion	Pass	UI224
Water absorption	<0.5%	ASTM D 570

产品规格 Product Dimensions

Part.No	As supplied(mm)		After recovered (mm)	
	D (min)	D (max)	W (min)	L (min)
AED-1	5.72	1.27	1.20	0.56
AED-2	7.44	1.65	1.52	0.76
AED-3	10.85	2.41	1.91	1.02
AED-4	17.78	4.45	2.41	1.37



AMC

迷你封帽

Adhesive-lined Semirigid Mini Polyolefin End Caps



应用

专为电气线束而设计,为线束提供机械和环境保护。透明封帽可以穿透检查内部元器件,黑色封帽具有阻燃性能。

Applications

Specially designed to provide mechanical and environmental of stub splice in electrical harness. Clear caps allow see-through inspection. Black caps are flame-retardant.

特性

- 收缩率: 3:1, 4:1
- 坚韧的外护套提供应力释放和抗磨损保护
- 厚胶层对流体和水气形成了一个有效的屏障,并且有较宽的操作温度范围

Characteristics

- Shrinkage ratio 3:1, 4:1
- Mechanically tough jacket provides strain relief and abrasion protection.
- Thick adhesive liner forms an effective barrier against fluids and moisture and performs well at an extended temperature range.

操作温度范围

- 操作温度: -40°C ~ 105°C
- 开始收缩温度: 100°C
- 最低完全收缩温度: 135°C

Operating temperature range

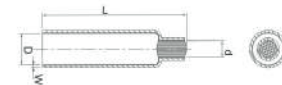
- Operating temperature : -40°C ~ 105°C
- Minimum shrink temperature: 100°C
- Minimum fully recovery temperature : 135°C

性能参数 Technical indicators

Test Item	Characteristics	Test Method
Operating temperature	-40°C~105°C	IEC 216
Tensile strength	>14MPa	ASTM D 638
Elongation at break	>400%	ASTM D 638
Density	1.05	ASTM D 792
Elongation at break after aging	>300%	150°C, 168hrs
Dielectric strength	>15KV/mm	IEC 243
Volume resistance	>10 ¹⁰ Ω·cm	IEC 93

产品规格 Product Dimensions

Part No.	L (mm)	As Supplied	After Recover	
		Dmin (mm/inch)	dmax (mm/inch)	Wmin (mm/inch)
Shrinkage ratio: 4:1				
AMC-E-1	30, 35	5.72 (0.225)	1.27 (0.050)	1.20 (0.047)
AMC-E-2	30, 35	7.44 (0.293)	1.65 (0.065)	1.52 (.060)
AMC-E-3	40, 50	10.85 (0.427)	2.41 (0.095)	1.91 (0.075)



ADT

双壁含胶热缩套管

Dual Wall Polyolefin Tubing



应用

ADT是由聚烯烃和热熔胶共挤而成，用于需要防水保护的电线电缆，配线和连接器。可以很好的运用于电子元件和通信工业中。

特性

- 收缩率: 3:1, 4:1
- 高的收缩比提供优异的密封性能
- 用于户内电子应用的密封和绝缘保护
- 安装简单, 性能稳定
- 可选用EVA热熔胶或聚酰胺 (PA) 热熔胶

操作温度范围

- 操作温度: -45°C~100°C
- 最低收缩温度: 80°C
- 最低完全收缩温度: 100°C

Applications

Manufactured by co-extrusion of polyolefin and hot-melt adhesive. Especially recommended for water-proof for cable and wire harnesses, and protection of connector-to-cable transitions. Typically applied in the insulation and sealing of electrical and electronic components and communication industry.

Characteristics

- Shrinkage ratio 3:1, 4:1
- High expansion ratio to provide good sealing protection
- Environmental sealing and protection of electrical applications
- Easy installing, stable properties
- EVA hot melt adhesive or high melting PA adhesive are available

Operating temperature range

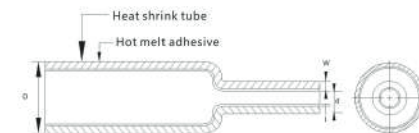
- Operating temperature : -45°C~100°C
- Minimum shrink temperature : 80°C
- Minimum fully recovery temperature : 100°C

性能参数 Technical indicators

Test Item	Characteristics	Test Method
Tensile strength	12MPa (mm)	ASTM D 2671
Tensile strength after aging 158°C,168hrs	10MPa (mm)	ASTM D 2671
Elongation at break	400% (min)	ASTM D 2671
Elongation at break after aging 168°C,168hrs	300%(min)	ASTM D 2671
Longitudinal shrinkable	Pass	UI223
Heat shock	No cracking	250°C,4hrs
Cold bend	No breakdown	ASTM D 2671
Voltage withstand	>10 ¹⁴ Ω · cm	ASTM D 2671
Volume resistance	Pass	ASTM D 876
Flammability	Pass	SAE-AMS-DTL-2353/5
Copper corrosion	Pass	UI224
Water absorption	Pass	ASTM D 570

产品规格 Product Dimensions

Part: No	Size		As supplied(mm)		After recovered (mm)		
	mm	inch	D (min)	w (min)	d(max)	w (min)	l (min)
shrink ratio: 3:1							
ADT3R0032	3.2	1/8	3.2	0.35	1.0	1.00±0.28	0.45±0.08
ADT3R0048	4.8	3/16	4.8	0.35	1.6	1.00±0.28	0.05±0.08
ADT3R0064	6.4	1/4	6.4	0.4	2.0	1.00±0.28	0.50±0.08
ADT3R0095	9.5	3/8	9.5	0.5	3.0	1.40±0.28	0.60±0.10
ADT3R0127	12.7	1/2	12.7	0.6	4.0	1.70±0.38	0.76±0.15
ADT3R0150	15.0	5/8	15.0	0.6	5.0	1.90±0.38	0.76±0.15
ADT3R0191	19.1	3/4	19.1	0.7	6.0	2.25±0.55	0.76±0.15
ADT3R0254	25.4	1	25.4	0.8	8.0	2.54±0.55	1.00±0.20
ADT3R0381	38.1	3/2	38.1	0.8	13	2.54±0.55	1.00±0.20
shrink ratio:4:1							
ADT4R0040	4	3/16	4.0	0.4	1.0	1.00±0.28	0.45±0.08
ADT4R0080	8	5/16	8.0	0.45	2.0	1.00±0.28	0.05±0.08
ADT4R0120	12	1/2	12.0	0.45	3.0	1.40±0.28	0.60±0.10
ADT4R0160	16	5/8	16.0	0.55	4.0	1.70±0.38	0.76±0.15
ADT4R0240	24	1	24.0	0.70	6.0	2.25±0.55	0.76±0.15
ADT4R0320	32	5/4	32.0	0.70	8.0	2.54±0.55	1.00±0.20
ADT4R0520	52	2	52.0	0.70	13.0	2.54±0.55	1.00±0.20



实验设备

EXPERIMENT APPARATUS



耐压绝缘测试仪



高精密度熔点仪



软化点测试仪



电子天平



万能电子测试仪



换气式老化试验机



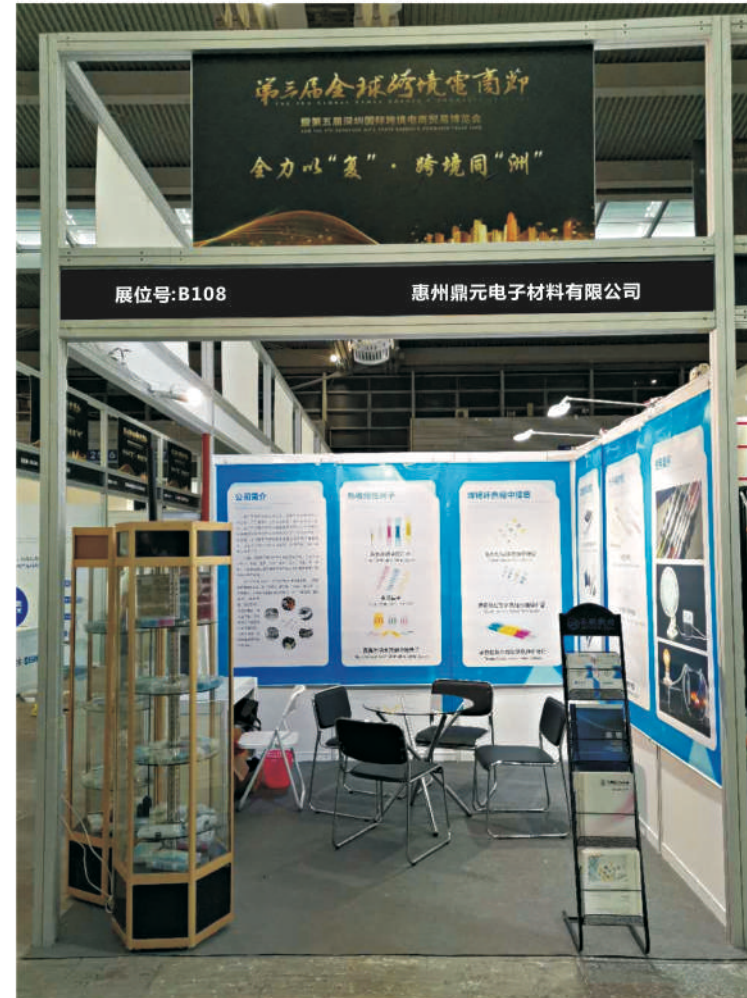
电热鼓风干燥箱



高精密熔指机

展会图片

EXHIBITION PICTURES



使用场景

scenes to be used

