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江苏稳不落配线器材有限公司
WENBULUO ELECTRICAL CO.,LTD

热缩管及终端系列



一站式电气辅材解决方案 · 助力电气用户采购更轻松

L-01 超薄型热缩管 (300V)

产品介绍：无卤超薄阻燃热缩管由辐射交联聚烯烃材料构成，理化电气性能优异，超薄壁厚特点更适合对微型电子器件进行保护，同时对产品无卤和阻燃方面进行改进，满足更多客户需求，该产品主要功能是线束保护、连接件的电绝缘、焊点防锈防腐、机械防护等。

产品特点：执行标准：UL224, CAN/CSAC22.2N0198.1-99 产品性能：拉伸强度：测试方法 ASTM D 2671，测试值≥10.4MPA
使用温度：-55℃-+125℃ 轴向变化率：测试方法 ASTM D 2671，测试值-5~+5%
热缩倍率:2:1 断裂拉长率：测试方法 ASTM D 2671，测试值≥200%
起始收缩温度：≥+70℃ 阻燃性：测试方法 ASTM D 2671 C法，测试值VW-1
完全收缩温度：≥+110℃ 耐电压（300V）：测试方法UL224，测试值1500V，1min 不击穿
环保标准：ROHS、IPC/JEDEC-STD-709/H类材料 击穿强度（与耐电压2选1）：测试方法 ASTM D 149，测试值≥15kv/mm
标准颜色：黑、红、绿、蓝等十种国际标准颜色。 体积电阻率（Ω.cm):测试方法IEC 60093，测试值≥10¹⁴
 拉伸强度(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥7.3MPA
 断裂拉长率(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥100%

Product introduction: The halogen-free ultra-thin flame-retardant heat shrinkable tube is made of radiation cross-linked polyolefin material, with excellent physical, chemical and electrical properties, and the ultra-thin wall thickness is more suitable for the protection of micro electronic devices. At the same time, the product is halogen-free and flame-retardant Improvements are made to meet more customer needs. The main functions of this product are harness protection, electrical insulation of connectors, rust and corrosion protection of solder joints, and mechanical protection.

Executive standard: UL224, CAN/CSA C22.2N0198.1-99 Tensile strength: test method ASTM D 2671, test value ≥ 10.4MPA
Operating temperature: -55℃-+125℃ Axial change rate: test method ASTM D 2671, test value -5~+5%
Heat shrinkage ratio: 2:1 Elongation at break: test method ASTM D 2671, test value ≥200%
Initial shrinkage temperature: ≥+70℃ Flame resistance: test method ASTM D 2671 C method, test value VW-1
Full shrinkage temperature: ≥+110℃ Withstand voltage (300V): Test method UL224, test value 1500V, no breakdown within 1min
Environmental protection standards: ROHS, Breakdown strength (choose 1 from 2 with withstand voltage): Test method ASTM D 149, test value ≥15kv/mm
IPC/JEDEC-STD-709/H materials. Volume resistivity (Ω.cm): Test method IEC 60093, test value ≥10¹⁴
Standard colors: ten international standard colors such as black, red, green and blue. Tensile strength (168 hours at 136℃ after heat aging): Test method 158℃*168H, test value ≥7.3MPA
 Elongation at break (168 hours at 136℃ after thermal aging): Test method 158℃*168H, test value ≥100%



型号 Model	内径 Inner diameter (mm)	收缩后 After shrinking		标准长度 （ 米 / 卷 ） Standard length (m/Roll)	适用范围 Application (mm)
		内径 Inner diameter (mm)	壁厚 Thickness (mm)		
φ 0.6 CB	0.9 ±0.2	≤0.40	0.2 ±0.1	200	0.4 - 0.7
φ 0.8 CB	1.1 ±0.2	≤0.5	0.2 ±0.1	200	0.6 - 0.8
φ 1.0 CB	1.4 ±0.2	≤0.65	0.2 ±0.1	200	0.7 - 1.0
φ 1.5 CB	1.9 ±0.2	≤0.85	0.2 ±0.1	200	0.9 - 1.4
φ 2.0 CB	2.4 ±0.2	≤1.0	0.2 ±0.1	200	1.1 - 1.8
φ 2.5 CB	2.9 ±0.2	≤1.3	0.22 ±0.1	200	1.4 - 2.3
φ 3.0 CB	3.4 ±0.2	≤1.5	0.25 ±0.1	200	1.6 - 2.7
φ 3.5 CB	3.9 ±0.2	≤1.8	0.28 ±0.1	200	1.9 - 3.2
φ 4.0 CB	4.4 ±0.2	≤2.0	0.28 ±0.1	200	2.1 - 3.6
φ 4.5 CB	4.9 ±0.2	≤2.3	0.3 ±0.1	100	2.4 - 4.0
φ 5.0 CB	5.5 ±0.2	≤2.5	0.3 ±0.1	100	2.6 - 4.5
φ 6.0 CB	6.5 ±0.2	≤3.0	0.32 ±0.1	100	3.1 - 5.4
φ 7.0 CB	7.5 ±0.3	≤3.5	0.32 ±0.1	200	3.7 - 6.3
φ 8.0 CB	8.5 ±0.3	≤4.0	0.32 ±0.1	200	4.2 - 7.2
φ 9.0 CB	9.5 ±0.3	≤4.5	0.32 ±0.1	200	4.7 - 8.0
φ 10.0 CB	10.5 ±0.3	≤5.0	0.35 ±0.1	200	5.2 - 9.0
φ 11.0 CB	11.5 ±0.3	≤5.5	0.35 ±0.1	200	5.8 - 10.0
φ 12.0 CB	12.5 ±0.3	≤6.0	0.4 ±0.1	200	6.2 - 11
φ 13.0 CB	13.5 ±0.3	≤6.5	0.4 ±0.1	200	6.7 - 12
φ 14.0 CB	14.5 ±0.3	≤7.0	0.4 ±0.1	200	7.3 - 13
φ 15.0 CB	15.5 ±0.4	≤7.5	0.4 ±0.1	200	7.8 - 14
φ 16.0 CB	16.5 ±0.4	≤8.0	0.4 ±0.1	200	8.3 - 15.8
φ 17.0 CB	17.5 ±0.4	≤8.5	0.4 ±0.1	200	8.8 - 16
φ 18.0 CB	18.5 ±0.5	≤9.0	0.4 ±0.1	200	9.3 - 17
φ 20.0 CB	20.5 ±0.5	≤10.0	0.42 ±0.1	200	10.5 - 19
φ 22.0 CB	22.5 ±0.5	≤11.0	0.45 ±0.1	200	11.5 - 20.5
φ 25.0 CB	25.5 ±0.5	≤12.5	0.45 ±0.1	100	13.0 - 24
φ 28.0 CB	28.5 ±0.5	≤14	0.6 ±0.1	100	14.5 - 27

L-02 环保阻燃热缩管 (600V)

产品介绍：阻燃热缩管由辐射交联聚烯烃材料构成，理化电气性能优异，主要功能是线束保护、连接件的电绝缘、焊点防锈防腐、机械防护等。阻燃特性可以有有效的保护管于元器件，广泛用于汽车零部件保护、船舶、飞机制造等领域。

产品特点：执行标准：UL224, CAN/CSAC22.2N0198.1-99 产品性能：拉伸强度：测试方法 ASTM D 2671，测试值≥10.4MPA
使用温度：-55℃-+125℃ 轴向变化率：测试方法 ASTM D 2671，测试值-5~+5%
热缩倍率:2:1 断裂拉长率：测试方法 ASTM D 2671，测试值≥200%
起始收缩温度：≥+84℃ 完全收缩温度：≥+125℃ 阻燃性：测试方法 ASTM D 2671 C法，测试值VW-1
耐电压（600V）：测试方法UL224，测试值2500V，1min 不击穿 击穿强度（与耐电压2选1）：测试方法 ASTM D 149，测试值≥15kv/mm
材质：阻燃环保。 体积电阻率（Ω.cm):测试方法IEC 60093，测试值≥10¹⁴
环保标准：ROHS 拉伸强度(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥7.3MPA
标准颜色：黑、白、红、黄、绿、蓝等十种国际标准颜色。 断裂拉长率(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥100%

Product introduction: The flame-retardant heat-shrinkable tube is composed of radiation cross-linked polyolefin material with excellent physical, chemical and electrical properties. Its main functions are harness protection, electrical insulation of connectors, rust and corrosion protection of solder joints, and mechanical protection. Flame-retardant properties can effectively protect the tube in the components, and are widely used in the protection of auto parts, ships, aircraft manufacturing and other fields.

Executive standard: UL224, CAN/CSA C22.2N0198.1-99 Tensile strength: test method ASTM D 2671, test value ≥ 10.4MPA
Operating temperature: -55℃-+125℃ Axial change rate: test method ASTM D 2671, test value -5~+5%
Heat shrinkage ratio: 2:1 Elongation at break: test method ASTM D 2671, test value ≥200%
Initial shrinkage temperature: ≥+84℃ Flame resistance: test method ASTM D 2671 C method, test value VW-1
Full shrinkage temperature: ≥+125℃ Withstand voltage (300V): Test method UL224, test value 1500V, no breakdown within 1min
Material: EP flammability Breakdown strength (choose 1 from 2 with withstand voltage): Test method ASTM D 149, test value ≥15kv/mm
Environmental protection standards: ROHS Volume resistivity (Ω.cm): Test method IEC 60093, test value ≥10¹⁴
Standard colors: ten international standard colors such as black, white, red, yellow, green and blue. Tensile strength (168 hours at 136℃ after heat aging): Test method 158℃*168H, test value ≥7.3MPA
 Elongation at break (168 hours at 136℃ after thermal aging): Test method 158℃*168H, test value ≥100%



型号 Model	内径 Innerdiameter (mm)	收缩后 Aftershrinking		标准长度 （ 米 / 卷 ） Standardlength (m/Roll)	适用范围 Application (mm)
		内径 Innerdiameter (mm)	壁厚 Thickness (mm)		
φ 0.60 / 0.35	0.9 ±0.2	≤0.40	0.33 ±0.10	200	0.4 - 0.7
φ 0.8 / 0.4	1.1 ±0.2	≤0.50	0.33 ±0.10	200	0.6 - 0.8
φ 1.0 / 0.65	1.5 ±0.2	≤0.65	0.36 ±0.10	200	0.75 - 0.9
φ 1.5 / 0.85	2.0 ±0.2	≤0.85	0.36 ±0.10	200	0.95 - 1.4
φ 2.0 / 1.0	2.5 ±0.2	≤1.0	0.45 ±0.10	200	1.1 - 1.8
φ 2.5 / 1.25	3.0 ±0.2	≤1.3	0.45 ±0.10	200	1.35 - 2.3
φ 3.0 / 1.5	3.5 ±0.2	≤1.5	0.45 ±0.10	200	1.6 - 2.7
φ 3.5 / 1.75	4.0 ±0.2	≤1.8	0.45 ±0.10	200	1.85 - 3.2
φ 4.0 / 2.0	4.7 ±0.2	≤2.0	0.45 ±0.10	200	2.1 - 3.6
φ 4.5 / 2.25	5.0 ±0.2	≤2.3	0.45 ±0.10	100	2.35 - 4.0
φ 5.0 / 2.50	5.5 ±0.2	≤2.5	0.56 ±0.10	100	2.6 - 4.5
φ 6.00 / 3.0	6.5 ±0.2	≤3.0	0.56 ±0.10	100	3.1 - 5.4
φ 7.00 / 3.5	7.5 ±0.3	≤3.5	0.56 ±0.10	100	3.7 - 6.3
φ 8.00 / 4.0	8.5 ±0.3	≤4.0	0.56 ±0.10	100	4.2 - 7.2
φ 9.00 / 4.5	9.5 ±0.3	≤4.5	0.56 ±0.10	100	4.7 - 8.0
φ 10.0 / 5.0	10.5 ±0.3	≤5.0	0.56 ±0.10	100	5.2 - 9.0
φ 11.0 / 5.5	11.5 ±0.3	≤5.5	0.56 ±0.10	100	5.7 - 10.0
φ 12.0 / 6.0	12.5 ±0.3	≤6.0	0.56 ±0.10	100	6.2 - 11
φ 13.0 / 6.5	13.5 ±0.3	≤6.5	0.56 ±0.10	100	6.7 - 12
φ 14.0 / 7.0	14.5 ±0.3	≤7.0	0.7 ±0.10	100	7.3 - 13
φ 15.0 / 7.5	15.5 ±0.4	≤7.5	0.7 ±0.10	100	7.8 - 14
φ 16.0 / 0.8	16.5 ±0.4	≤8.0	0.7 ±0.10	100	8.3 - 15
φ 17.0 / 8.5	17.5 ±0.4	≤8.5	0.7 ±0.10	100	8.8 - 16
φ 18.0 / 9.0	19 ±0.5	≤9.0	0.7 ±0.10	100	9.3 - 17
φ 20.0 / 10.0	22 ±0.5	≤10.0	0.8 ±0.15	100	10.4 - 19
φ 22.0 / 11.0	24 ±0.5	≤11.0	0.8 ±0.15	100	11.4 - 21
φ 25 / 12.5	26 ±0.5	≤12.5	0.9 ±0.15	50	12.8 - 24
φ 28 / 14	29 ±0.5	≤14	0.9 ±0.15	50	14.4 - 29

L-03 3倍收缩阻燃热缩管

产品介绍：3:1阻燃热缩管由辐射交联聚烯烃材料构成，理化电气性能优异，主要功能是线束保护，连接件的电绝缘，焊点防锈防腐，机械防护等，产品满足美军标标准，高倍率收缩特性可满足更多变径元件的防护，广泛用于电子，通信，汽车零部件保护，船舶，飞机制造等领域。

产品特点：执行标准：AMS-DTL-23053	产品性能：拉伸强度：测试方法 ASTM D 2671，测试值≥10.4MPA
UL224，CAN/CSAC22.2N0198.1-99	轴向变化率：测试方法 ASTM D 2671，测试值-5~+5%
使用温度：-55℃-+135℃	断裂拉长率：测试方法 ASTM D 2671，测试值≥200%
热缩倍率:3:1	阻燃性：测试方法 ASTM D 2671 C法，测试值VW-1
起始收缩温度：≥+84℃ 完全收缩温度：≥+120℃	耐电压(600V)：测试方法UL224，测试值2500V,1min 不击穿。
材质：弹性好，低烟，柔软，阻燃。	击穿强度（与耐电压2选1）：测试方法 ASTM D 149，测试值≥15kv/mm
环保标准：ROHS	体积电阻率（Ω.cm):测试方法IEC 60093，测试值≥10 ¹⁴
标准颜色：黑、白、红、黄、绿、蓝等十种国际标准颜色(透明管为非阻燃)。	拉伸强度(热老化后136℃下168小时): 测试方法 175℃*168H，测试值≥7.3MPA
	断裂拉长率(热老化后136℃下168小时): 测试方法 175℃*168H，测试值≥100%
	热冲击：测试方法UL224(250℃*4H)，测试值-不滴落，无裂痕。

Product introduction: 3:1 flame-retardant heat-shrinkable tube is made of radiation cross-linked polyolefin material. It has excellent physical, chemical and electrical properties. Its main function is wire harness protection, electrical insulation of connectors, rust and corrosion protection of solder joints, mechanical protection, etc. The products meet the U.S. military standard. The high-magnification shrinkage feature can meet the protection of more variable-diameter components, and is widely used in the fields of electronics, communications, automobile parts protection, shipbuilding, aircraft manufacturing and other fields.

Executive standard: AMS-DTL-23053	Tensile strength: test method ASTM D 2671, test value ≥ 10.4MPA
UL224, CAN/CSA C22.2N0198.1-99	Axial change rate: test method ASTM D 2671, test value -5~+5%
Operating temperature: -55℃-+135℃	Elongation at break: test method ASTM D 2671, test value ≥200%
Heat shrinkage ratio: 3:1	Flame resistance: test method ASTM D 2671 C method, test value VW-1
Initial shrinkage temperature: ≥+84℃	Withstand voltage (600V): Test method UL224, test value 2500V, no breakdown within 1min
Full shrinkage temperature: ≥+120℃	Breakdown strength (choose 1 from 2 with withstand voltage): Test method ASTM D 149, test value ≥15kv/mm
Material: Good elasticity, low smoke, soft, flammability	Volume resistivity (Ω.cm): Test method IEC 60093, test value ≥10 ¹⁴
Environmental protection standards: ROHS	Tensile strength (168 hours at 136℃ after heat aging): Test method 158℃*168H, test value ≥7.3MPA
Standard colors: ten international standard colors such as black, white,red, yellow, green and blue.	Elongation at break (168 hours at 136℃ after thermal aging): Test method 158℃*168H, test value ≥100%
	Thermal shock:Test method UL224 (250℃*4H),Test value: no dripping, no cracks.



型号 Model	内径 Innerdiameter(mm)	收缩后 Aftershinking		标准长度（米/ 卷） Standardlength(m/Roll)
		内径 Innerdiameter(mm)	壁厚 Thickness(mm)	
φ 1.5/0.5	1.6 ± 0.1	≤ 0.5	0.45 ± 0.1	200
φ 3.0/1.0	3.2 ± 0.1	≤ 1	0.55 ± 0.1	200
φ 4.5/1.5	4.7 ± 0.1	≤ 1.5	0.60 ± 0.1	100
φ 6.0/2.0	6.2 ± 0.1	≤ 2	0.65 ± 0.1	100
φ 9.0/3.0	9.3 ± 0.2	≤ 3	0.75 ± 0.15	50
φ 12.0/4.0	12.3 ± 0.2	≤ 4	0.75 ± 0.15	50
φ 15.0/5.0	15.3 ± 0.2	≤ 5	0.80 ± 0.15	50
φ 18.0/6.0	18.3 ± 0.2	≤ 6	0.85 ± 0.15	50
φ 24.0/8.0	24.4 ± 0.3	≤ 8	1.0 ± 0.2	25
φ 30.0/10.0	30.4 ± 0.3	≤ 10	1.15 ± 0.2	25
φ 39.0/13.0	39.6 ± 0.5	≤ 13	1.5 ± 0.2	25
φ 50.0/16.0	50.6 ± 0.5	≤ 16	2.5 ± 0.2	25
φ 60.0/20.0	61.5 ± 1.0	≤ 20	2.6 ± 0.2	25
φ 70.0/23.0	71.5 ± 1.0	≤ 23	2.6 ± 0.3	25
φ 80.0/26.0	81.5 ± 1.0	≤ 26	2.6 ± 0.4	25
φ 90.0/30.0	91.5 ± 1.0	≤ 30	2.6 ± 0.5	25
φ 100.0/33.0	101.5 ± 1.0	≤ 33	2.6 ± 0.6	25

L-04 150℃ 耐高温阻燃热缩管

产品介绍：耐高温阻燃热缩管由辐射交联聚烯烃材料构成，理化电气性能优异，主要功能是线束保护、连接件的电绝缘、焊点防锈防腐、机械防护等。产品具有耐高温、阻燃特性、专为处于高温环境中的线束与器件所设计、广泛用于电子、通讯、汽车、等领域。

产品特点：执行标准：UL高温综合管理类兼容AMS-DTL-23053/5	产品性能：拉伸强度：测试方法 ASTM D 2671，测试值≥10.4MPA
和UL224，CAN/CSAC22.2N0198.1-99	轴向变化率：测试方法 ASTM D 2671，测试值-5~+5%
使用温度：-55℃-+150℃	断裂拉长率：测试方法 ASTM D 2671，测试值≥200%
热缩倍率:2:1	阻燃性：测试方法 ASTM D 2671 C法，测试值VW-1
起始收缩温度：≥+84℃ 完全收缩温度：≥+135℃	耐电压(600V)：测试方法UL224，测试值2500V,1min 不击穿。
材质：低烟，柔软，阻燃。	击穿强度（与耐电压2选1）：测试方法 ASTM D 149，测试值≥15kv/mm
环保标准：ROHS	体积电阻率（Ω.cm):测试方法IEC 60093，测试值≥10 ¹⁴
标准颜色：黑、白、红、黄、绿、蓝等十种国际标准颜色。	拉伸强度(热老化后136℃下168小时): 测试方法 175℃*168H，测试值≥7.3MPA
	断裂拉长率(热老化后136℃下168小时): 测试方法 175℃*168H，测试值≥100%
	热冲击：测试方法UL224(250℃*4H)，测试值-不滴落，无裂痕。

Product introduction: The high-temperature flame-retardant heat-shrinkable tube is made of radiation cross-linked polyolefin material with excellent physical, chemical and electrical properties. Its main functions are harness protection, electrical insulation of connectors, rust and corrosion protection of solder joints, and mechanical protection. The product has high temperature resistance, flame retardant properties, designed for wiring harnesses and devices in high temperature environments, and is widely used in electronics, communications, automobiles, and other fields.

Executive standard: UL high temperature comprehensive management compatibleAMS-DTL-23053UL224, CAN/CSA C22.2N0198.1-99	Tensile strength: test method ASTM D 2671, test value ≥ 10.4MPA
Operating temperature: -55℃-+150℃	Axial change rate: test method ASTM D 2671, test value -5~+5%
Heat shrinkage ratio: 2:1	Elongation at break: test method ASTM D 2671, test value ≥200%
Initial shrinkage temperature: ≥+84℃	Flame resistance: test method ASTM D 2671 C method, test value VW-1
Full shrinkage temperature: ≥+135℃	Withstand voltage (600V): Test method UL224, test value 2500V, no breakdown within 1min
Material: low smoke, soft, flammability	Breakdown strength (choose 1 from 2 with withstand voltage): Test method ASTM D 149, test value ≥15kv/mm
Environmental protection standards: ROHS	Volume resistivity (Ω.cm): Test method IEC 60093, test value ≥10 ¹⁴
Standard colors: ten international standard colors such as black, white,red, yellow, green and blue.	Tensile strength (168 hours at 136℃ after heat aging): Test method 158℃*168H, test value ≥7.3MPA
	Elongation at break (168 hours at 136℃ after thermal aging): Test method 158℃*168H, test value ≥100%
	Thermal shock:Test method UL224 (250℃*4H),Test value: no dripping, no cracks.



型号 Model	内径 Innerdiameter(mm)	收缩后 Aftershinking		标准长度（米 / 卷） Standardlength(m/Roll)	适用范围 Application(mm)
		内径 Innerdiameter(mm)	壁厚 Thickness(mm)		
φ0.60/0.35	≥0.9	≤0.35	≥0.33	200	0.5-0.7
φ0.8/0.4	≥1.0	≤0.40	≥0.33	200	0.6-0.9
φ1.0/0.65	≥1.6	≤0.65	≥0.33	200	0.8-1.2
φ1.5/0.85	≥2.0	≤0.85	≥036	200	1.0-1.6
φ2.0/1.00	≥2.5	≤1.0	≥0.44	200	1.1-1.2
φ2.5/1.25	≥3.0	≤1.25	≥0.44	200	1.4-2.6
φ3.0/1.5	≥3.5	≤1.5	≥0.44	200	1.7-2.2
φ3.5/1.75	≥4.0	≤1.75	≥0.44	200	2.0-3.6
φ4.0/2.0	≥4.5	≤2.0	≥0.44	200	2.2-4.3
φ4.5/2.25	≥4.8	≤2.25	≥0.44	100	2.5-4.6
φ5.0/2.50	≥5.3	≤2.5	≥0.56	100	2.7-5.1
φ6.00/3.00	≥6.4	≤3.0	≥0.56	100	3.2-6.1
φ7.00/3.50	≥7.4	≤3.5	≥0.56	100	3.7-7.1
φ8.00/4.00	≥8.4	≤4.0	≥0.56	100	4.2-8.1
φ900/4.50	≥9.3	≤4.5	≥0.56	100	4.7-9.1
φ10.0/5.00	≥10.3	≤5.0	≥0.56	100	5.3-10.1
φ11.0/5.50	≥11.3	≤5.5	≥0.56	100	5.8-11.1
φ12.0/6.00	≥12.3	≤6.0	≥0.56	100	6.3-12.1
φ13.0/6.5	≥13.4	≤6.5	≥0.69	100	6.8-13.1
φ14.0/7.00	≥14.4	≤7.0	≥0.69	100	7.3-14.1
φ15.0/7.50	≥15.5	≤7.5	≥0.69	100	7.8-15.1
φ16.0/0.80	≥16.5	< 8.0	≥0.69	100	8.3-16.1
φ17.0/8.50	≥17.5	≤8.5	≥0.69	100	8.8-17.1
φ18.0/9.00	≥18.9	≤9.0	≥0.69	100	9.3-18.1
φ20.0/10.0	≥21.5	≤10.0	≥0.77	100	10.5-21
φ22.0/11.0	≥23.4	≤11.0	≥0.77	100	11.5-23
φ25/12.5	≥25.6	≤12.5	≥0.77	50	13-25
φ28/14	≥29	≤14	≥0.87	50	14.5-27
φ30/15	≥31.5	≤15	≥0.87	50	17-29
φ35/17.5	≥36.5	≤17	≥0.87	50	20-30
φ40/20	≥41.5	≤20	≥0.87	50	22-35
φ50/25	≥51.5	≤25	≥0.97	25	30-45
φ60/30	≥60	≤30	≥1.07	25	35-50
φ70/35	≥70	≤35	≥1.17	25	40-60
φ80/40	≥80	≤40	≥1.17	25	45-70
φ100/50	≥100	≤50	≥1.17	25	55-85
φ120/60	≥120	≤60	≥1.17	25	65-100
φ150/70	≥150	≤75	≥1.17	25	80-120

L-07 PVC 热缩管

产品介绍：PVC热缩套管分耐温85℃、105℃、两大系列，具有遇热收缩的特殊功能，规格Φ2-Φ180。广泛用于铝、钽点解电容、电子元件、灯饰、电器开关柜中的铜排、各类充电电池、电池的组包装、各种电源线接头、线束的绝缘防潮包覆和伸缩杆、拖把柄、浴帘杆、窗帘杆，工具手柄的外包塑对被包覆物起到美化外观、绝缘、防潮、防腐、防尘的作用。产品全部通过SGS环保检测，不含镉、铅、汞、六价铬、多溴联苯、多溴联苯醚，可生产不含邻苯二甲酸[酯]，符合欧盟ROHS指令，能满足出口用户的需求。PVC热缩套管表面还可以印上精美的文字或图案。

产品性能：	工作温度：	-45℃-105℃	冷弯曲：	不开裂
	电介质强度：	15KV/mm	阻燃性：	---
	体积电阻率（Ω.cm）：	≥10 Ω.cm	耐油性：	85℃*10004h 105℃*10004h 125℃*10004h
	额定电压：	300V-600V		热恒温箱中无裂痕 热恒温箱中无裂痕 热恒温箱中无裂痕
	拉伸强度：	≥12.5MPA	管壁击穿电压：	壁厚0.07mm ≥6KV
	断裂拉长率：	≥150%		≥10KV
	拉伸强度(热老化后136℃下168小时)：	≥120%		8KV
	断裂拉长率(热老化后136℃下168小时)：	≥10MPA	吸水率：	≤0.7%

Product introduction: PVC heat-shrinkable tubing is divided into two series with temperature resistance of 85℃ and 105℃. It has a special function of shrinking when exposed to heat. The specification is Φ2-Φ180. Widely used in aluminum, tantalum capacitors, electronic components, lighting, copper bars in electrical switch cabinets, various types of rechargeable batteries, combined packaging of batteries, various power cord connectors, insulation and moisture-proof coating of wiring harnesses, and telescopic mops, mops The handles, shower curtains, curtains, and tool handles' outer plastics can beautify the appearance, insulate, prevent moisture, corrosion, and dust. All products have passed SGS environmental protection testing, do not contain cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers, can be produced without phthalic acid [fat], comply with the EU ROHS directive, and can meet the needs of export users. The surface of the PVC heat shrinkable tube can also be printed with exquisite words or patterns.

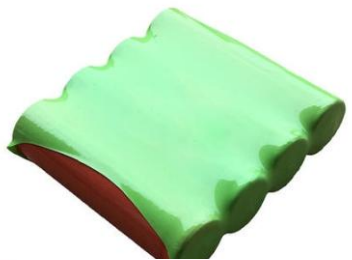
Product performance:

Operating temperature:	-45℃-105℃	Cold bending:	No cracking
Dielectric strength:	15KV/mm	Flame retardancy:	---
Volume resistivity (Ω.cm):	≥10 Ω.cm	Oil resistance: 85℃*10004h	No cracks in the thermostat
Rated voltage:	300V-600V	105℃*10004h	No cracks in the thermostat
Tensile Strength:	≥12.5MPA	125℃*10004h	No cracks in the thermostat
Fracture elongation rate:	≥150%	Tube wall breakdown voltage: wall thickness 0.07mm	≥6KV
Tensile strength :	≥120%	Wall thickness 0.15-0.2mm	≥10KV
(168 hours at 136℃ after heat aging)		Wall thickness 0.1mm	8KV
Elongation at break:	≥10MPA	Water absorption:	≤0.7%
(168 hours at 136℃ after heat aging)			



折径 Folddiameter(mm)	厚度 Thickness(mm)	横向收缩率 Horizontal Shrinkage(mm)	纵向收缩率 Vertical Shrinkage(mm)	折径 Folddiameter(mm)	厚度 Thickness(mm)	横向收缩率 Horizontal Shrinkage(mm)	纵向收缩率 Vertical Shrinkage(mm)
7.3±0.2	0.09±0.01	49±4%	12±4	78±0.5	0.14±0.015	49±4%	12±4
5.2±0.2	0.09±0.01	49±4%	12±4	80±0.5	0.14±0.015	49±4%	12±4
11±0.3	0.09±0.01	49±4%	12±4	83±0.5	0.14±0.015	49±4%	12±4
14.1±0.3	0.095±0.01	49±4%	12±4	85±0.5	0.14±0.015	49±4%	12±4
16.7±0.3	0.1±0.01	49±4%	12±4	86±0.5	0.14±0.015	49±4%	12±4
17.1±0.3	0.1±0.01	49±4%	12±4	88±0.5	0.14±0.015	49±4%	12±4
18.7±0.3	0.1±0.01	49±4%	12±4	90±0.5	0.14±0.015	49±4%	12±4
19.4±0.3	0.1±0.01	49±4%	12±4	92±0.5	0.14±0.015	49±4%	12±4
20.2±0.3	0.105±0.01	49±4%	12±4	95±0.5	0.14±0.015	49±4%	12±4
21.4±0.3	0.105±0.01	49±4%	12±4	97±0.5	0.14±0.015	49±4%	12±4
22.8±0.3	0.105±0.01	49±4%	12±4	101±0.5	0.14±0.015	49±4%	12±4
23.2±0.3	0.11±0.015	49±4%	12±4	105±0.5	0.14±0.015	49±4%	12±4
24.3±0.3	0.11±0.015	49±4%	12±4	110±0.5	0.14±0.015	49±4%	12±4
25.1±0.3	0.11±0.015	49±4%	12±4	115±0.5	0.14±0.015	49±4%	12±4
26.9±0.3	0.11±0.015	49±4%	12±4	120±0.5	0.14±0.015	49±4%	12±4
27.2±0.3	0.11±0.015	49±4%	12±4	125±0.5	0.14±0.015	49±4%	12±4
29±0.3	0.11±0.015	49±4%	12±4	130±1	0.14±0.015	49±4%	12±4

L-07 PVC 热缩管



折径 Folddiameter(mm)	厚度 Thickness(mm)	横向收缩率 Horizontal Shrinkage(mm)	纵向收缩率 Vertical Shrinkage(mm)	折径 Folddiameter(mm)	厚度 Thickness(mm)	横向收缩率 Horizontal Shrinkage(mm)	纵向收缩率 Vertical Shrinkage(mm)
29.8±0.3	0.11±0.015	49±4%	12±4	135±1	0.14±0.015	49±4%	12±4
31.2±0.3	0.11±0.015	49±4%	12±4	140±1	0.14±0.015	49±4%	12±4
31.5±0.3	0.11±0.015	49±4%	12±4	145±1	0.14±0.015	49±4%	12±4
35±0.4	0.12±0.015	49±4%	12±4	150±1	0.14±0.015	49±4%	12±4
36±0.4	0.12±0.015	49±4%	12±4	155±1	0.14±0.015	49±4%	12±4
37±0.4	0.12±0.015	49±4%	12±4	160±1	0.14±0.015	49±4%	12±4
38±0.4	0.12±0.015	49±4%	12±4	165±1	0.14±0.015	49±4%	12±4
39±0.4	0.12±0.015	49±4%	12±4	170±1	0.14±0.015	49±4%	12±4
40±0.4	0.12±0.015	49±4%	12±4	175±1	0.14±0.015	49±4%	12±4
41.5±0.4	0.12±0.015	49±4%	12±4	180±1	0.14±0.015	49±4%	12±4
42±0.4	0.12±0.015	49±4%	12±4	190±1	0.14±0.015	49±4%	12±4
43±0.4	0.12±0.015	49±4%	12±4	195±1	0.14±0.015	49±4%	12±4
44±0.4	0.12±0.015	49±4%	12±4	200±1	0.14±0.015	49±4%	12±4
45±0.4	0.12±0.015	49±4%	12±4	210±1	0.14±0.015	49±4%	12±4
46±0.4	0.12±0.015	49±4%	12±4	220±1	0.14±0.015	49±4%	12±4
47±0.4	0.12±0.015	49±4%	12±4	225±1	0.14±0.015	49±4%	12±4
48±0.4	0.12±0.015	49±4%	12±4	230±1	0.14±0.015	49±4%	12±4
50±0.5	0.13±0.015	49±4%	12±4	235±1	0.14±0.015	49±4%	12±4
52±0.5	0.13±0.015	49±4%	12±4	243±1	0.14±0.015	49±4%	12±4
53±0.5	0.13±0.015	49±4%	12±4	250±1.5	0.14±0.015	49±4%	12±4
54±0.5	0.13±0.015	49±4%	12±4	260±1.5	0.14±0.015	49±4%	12±4
55±0.5	0.13±0.015	49±4%	12±4	270±1.5	0.14±0.015	49±4%	12±4
57±0.5	0.13±0.015	49±4%	12±4	280±1.5	0.14±0.015	49±4%	12±4
60±0.5	0.14±0.015	49±4%	12±4	290±1.5	0.14±0.015	49±4%	12±4
62.6±0.5	0.14±0.015	49±4%	12±4	300±1.5	0.14±0.015	49±4%	12±4
64±0.5	0.14±0.015	49±4%	12±4	312±1.5	0.14±0.015	49±4%	12±4
65±0.5	0.14±0.015	49±4%	12±4	323±1.5	0.14±0.015	49±4%	12±4
66.6±0.5	0.14±0.015	49±4%	12±4	350±1.5	0.14±0.015	49±4%	12±4
68±0.5	0.14±0.015	49±4%	12±4	356±1.5	0.14±0.015	49±4%	12±4
70.3±0.5	0.14±0.015	49±4%	12±4	380±2	0.14±0.015	49±4%	12±4
72±0.5	0.14±0.015	49±4%	12±4	450±2	0.14±0.015	49±4%	12±4
73±0.5	0.14±0.015	49±4%	12±4	500±2	0.14±0.015	49±4%	12±4
75±0.5	0.14±0.015	49±4%	12±4				

L-08 热缩标识管

产品介绍：热缩标识管采用高能电子束轰击交联的环保聚烯烃热缩材料制成, 产品印字的奶擦, 耐磨性能优异, 在热缩前后即使遇到清洗剂或者燃油的侵蚀, 色码牢固性仍然复合ASE-ASB1531和MIL-STD-202F/215J 的要求，保持永久性标识的效果， 主要应用在东侧组， 航空航天， 坦克和水下潜艇。

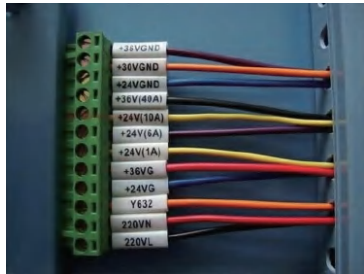
- 产品特点：使用温度：-55℃-+135℃
热缩倍率:2:1/3:1
起始收缩温度：≥+85℃
完全收缩温度：≥+135℃
环保标准：ROHS
标准颜色：黑、白 (其他颜色可定制)

产品性能：拉伸强度：测试方法 ISO 37，测试值≥10.3MPA
轴向变化率：测试方法 UL224，200℃*3min 测试值2X:-10~+1/3x:-15~+5
断裂拉长率：测试方法 ISO 37，测试值≥200%
阻燃性：测试方法 UL224，测试值≥28
击穿强度：测试方法 IEC 60243, 测试值≥19.7kv/mm
体积电阻率 (Ω.cm): 测试方法IEC 60093，测试值≥10¹⁴
拉伸强度(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥7.3MPA
断裂拉长率(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥100%
热冲击：测试方法 UL224, 225℃*4h 测试值：无裂痕，不滴落
冷弯柔性：测试方法 UL224，-55℃*1h 测试值：低于120
吸水率：测试方法ASTM D 570 测试值：≤0.5

Product introduction: The heat-shrinkable marking tube is made of high-energy electron beam bombardment and cross-linked environmentally friendly polyolefin heat-shrinkable material. The milk wipe of the product printing has excellent wear resistance. Even if it is corroded by cleaning agents or fuel before and after heat shrinking, the color code is firm It still complies with the requirements of ASE-ASB1531 and MIL-STD-202F/215J, and maintains the effect of permanent marking. It is mainly used in the east side group, aerospace, tanks and underwater submarines.

- Features:**
Operating temperature: -55℃- +135℃
Heat shrinkage ratio: 2:1/3:1
Initial shrinkage temperature: ≥+85℃
Full shrinkage temperature: ≥+135℃
Environmental protection standard: ROHS
Standard colors: black, white
(other colors can be customized)

Productperformance:
Tensile strength: test method ISO 37, test value ≥ 10.3MPA
Axial change rate: test method UL224, 200℃*3min test value 2X:-10~+1/3x:-15~+5
Elongation at break: test method ISO 37, test value ≥200%
Flame resistance: test method UL224, test value ≥28
Breakdown strength: test method IEC 60243, test value ≥19.7kv/mm
Volume resistivity (Ω.cm): Test method IEC 60093, test value ≥10¹⁴
Tensile strength (168 hours at 136℃ after heat aging): Test method 158℃*168H, test value ≥7.3MPA
Elongation at break (168 hours at 136℃ after thermal aging): Test method 158℃*168H, test value ≥100%
Thermal shock: test method UL224, 225℃*4h test value: no cracks, no dripping
Cold bending flexibility: test method UL224, -55℃*1h test value: less than 120
Water absorption: Test method ASTM D 570 Test value: ≤0.5



型号 Model	内径 Innerdiamete(mm)	收缩后 Aftershrinking		标准长度 (米 / 卷) Standardlengt(m/Roll)	适用范围 Applicatio(mm)
		内径 Innerdiamet(mm)	壁厚 Thicknes\$mm)		
φ 1.5 / 0.85	2.0 ±0.2	≤0.85	0.36 ±0.10	200	0.95 - 1.4
φ 2.0 / 1.00	2.5 ±0.2	≤1.0	0.45 ±0.10	200	1.1 - 1.8
φ 2.5 / 1.25	3.0 ±0.2	≤1.3	0.45 ±0.10	200	1.35 - 2.3
φ 3.0 / 1.5	3.5 ±0.2	≤1.5	0.45 ±0.10	200	1.6 - 2.7
φ 3.5 / 1.75	4.0 ±0.2	≤1.8	0.45 ±0.10	200	1.85 - 3.2
φ 4.0 / 2.0	4.7 ±0.2	≤2.0	0.45 ±0.10	200	2.1 - 3.6
φ 4.5 / 2.25	5.0 ±0.2	≤2.3	0.45 ±0.10	100	2.35 - 4.0
φ 5.0 / 2.50	5.5 ±0.2	≤2.5	0.56 ±0.10	100	2.6 - 4.5
φ 6.00 / 3.00	6.5 ±0.2	≤3.0	0.56 ±0.10	100	3.1 - 5.4
φ 7.00 / 3.50	7.5 ±0.3	≤3.5	0.56 ±0.10	100	3.7 - 6.3
φ 8.00 / 4.00	8.540 .3	≤4.0	0.56 ±0.10	100	4.2 - 7.2
φ 9.00 / 4.50	9.5 ±0.3	≤4.5	0.56 ±0.10	100	4.7 - 8.0
φ 10.0 / 5.00	10.5 ±0.3	≤5.0	0.56 ±0.10	100	5.2 - 9.0
φ 11.0 / 5.50	11.5 ±0.3	≤5.5	0.56 ±0.10	100	5.7 - 10.0
φ 12.0 / 6.00	12.5 ±0.3	≤6.0	0.56 ±0.10	100	6.2 - 11
φ 13.0 / 6.5	13.5 ±0.3	≤6.5	0.56 ±0.10	100	6.7 - 12
φ 14.0 / 7.00	14.5 ±0.3	≤7.0	0.7 ±0.1	100	7.3 - 13
φ 15.0 / 7.50	15.5 ±0.4	≤7.5	0.7 ±0.1	100	7.8 - 14
φ 16.0 / 0.80	16.5 ±0.4	≤8.0	0.7 ±0.1	100	8.3 - 15
φ 17.0 / 8.50	17.5 ±0.4	≤8.5	0.7 ±0.1	100	8.8 - 16
φ 18.0 / 9.00	19 ±0.5	≤9.0	0.7 ±0.1	100	9.3 - 17
φ 20.0 / 10.0	22 ±0.5	≤10.0	0.8 ±0.15	100	10.4 - 19
φ 22.0 / 11.0	24 ±0.5	≤11.0	0.8 ±0.15	100	11.4 - 21
φ 25 / 12.5	26 ±0.5	≤12.5	0.9 ±0.15	50	12.8 - 24
φ 28 / 14	29 ±0.5	≤14	0.9 ±0.15	50	14.4 - 29

L-09 黄绿双色热缩管2：1

产品介绍：黄绿热缩管由环保聚烯烃材料双色共挤，经辐照改性加工制成。该产品具有柔软和阻燃特点，颜色鲜明持久，性能稳定，产品具有黄绿相间的外观 广泛用于线束或电缆中地线的标识，特殊线缆和母线或管道的标识等。

- 产品特点：材质：低烟，柔软，阻燃
使用温度：-55℃-+125℃
热缩倍率：2:1
起始收缩温度：≥+70℃
完全收缩温度：≥+125℃
环保标准：ROHS
标准颜色：黄绿相间

产品性能：拉伸强度：测试方法 ASTM D 2671，测试值≥10.4MPA
轴向变化率：测试方法 ASTM D 2671，测试值-8~+8%
断裂拉长率：测试方法 ASTM D 2671，测试值≥200%
阻燃性：测试方法 ASTM D 2671 C法，测试值VW-1
击穿强度（与耐电压2选1）：测试方法 ASTM D 149, 测试值≥15kv/mm
体积电阻率 (Ω.cm): 测试方法IEC 60093，测试值≥10¹⁴
拉伸强度(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥7.3MPA
断裂拉长率(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥100%

Product introduction: The yellow-green heat shrinkable tube is made by two-color co-extrusion of environmentally friendly polyolefin material and processed by irradiation modification. The product is soft and flame-retardant, bright and durable, and stable in performance. The product has a yellow and green appearance and is widely used for identification of ground wires in wiring harnesses or cables, and identification of special cables and busbars or pipes.

- Features:**
Material: low smoke, soft, flame retardant
Operating temperature: -55℃- +125℃
Heat shrinkage ratio: 2:1
Initial shrinkage temperature: ≥+70℃
Full shrinkage temperature: ≥+125℃
Environmental protection standard: ROHS
Standard color: yellow and green

Productperformance:
Tensile strength: test method ASTM D 2671, test value ≥ 10.4MPA
Axial change rate: test method ASTM D 2671, test value -8~+8%
Elongation at break: test method ASTM D 2671, test value ≥200%
Flame resistance: test method ASTM D 2671 C method, test value VW-1
Breakdown strength (choose 1 from 2 with withstand voltage): Test method ASTM D 149, test value ≥15kv/mm
Volume resistivity (Ω.cm): Test method IEC 60093, test value ≥10¹⁴
Tensile strength (168 hours at 136℃ after heat aging): Test method 158℃*168H, test value ≥7.3MPA
Elongation at break (168 hours at 136℃ after thermal aging): Test method 158℃*168H, test value ≥100%



型号 Model	内径 Innerdiameter(mm)	收缩后 Aftershrinking		标准长度(米/卷) Standardlength(m/Roll)	型号 Model	内径 Innerdiameter (mm)	收缩后 Aftershrinking		标准长度(米/卷) Standardlength(m/Roll)
		内径 Innerdiameter(m	壁厚 Thickness(mm)				内径 Innerdiameter	壁厚 Thickness	
φ 1.0	1.5 ±0.3	≤0.7	0.28 ±0.1	200	φ 17	17.5 ±0.6	≤8.5	0.7 ±0.1	100
φ 1.5	2.0 ±0.3	≤0.9	0.3 ±0.1	200	φ 18	19 ±0.7	≤9.0	0.7 ±0.15	100
φ 2.0	2.5 ±0.3	≤1.0	0.35 ±0.1	200	φ 20	22 ±0.7	≤10	0.8 ±0.15	100
φ 2.5	3.0 ±0.3	≤1.3	0.36 ±0.1	200	φ 22	24 ±0.7	≤11.0	0.9 ±0.15	100
φ 3.0	3.5 ±0.4	≤1.5	0.38 ±0.1	200	φ 25	26 ±0.7	≤12.5	0.9 ±0.15	50
φ 3.5	4.0 ±0.4	≤1.8	0.4 ±0.1	200	φ 28	29 ±0.7	≤14	0.95 ±0.15	50
φ 4.0	4.5 ±0.4	≤2.0	0.45 ±0.1	200	φ 30	31.5 ±0.7	≤15	0.95 ±0.15	50
φ 4.5	5.0 ±0.4	≤2.3	0.45 ±0.1	100	φ 35	36.5 ±0.7	≤17.5	1.0 ±0.2	50
φ 5.0	5.5 ±0.4	≤2.5	0.45 ±0.1	100	φ 40	41.5 ±0.7	≤20	1.0 ±0.2	50
φ 6.0	6.5 ±0.4	≤3.0	0.5 ±0.1	100	φ 45	46 ±0.7	≤22.5	1.0 ±0.2	25
φ 7.0	7.5 ±0.4	≤3.5	0.5 ±0.1	100	φ 50	51 ±0.7	≤25	1.0 ±0.2	25
φ 8.0	8.5 ±0.5	≤4.0	0.55 ±0.1	100	φ 60	≥60	≤30	1.1 ±0.2	25
φ 9.0	9.5 ±0.5	≤4.5	0.55 ±0.1	100	φ 70	≥70	≤35	1.2 ±0.2	25
φ 10.0	10.5 ±0.5	≤5.0	0.55 ±0.1	100	φ 80	≥80	≤40	1.3 ±0.2	25
φ 11	11.5 ±0.5	≤5.5	0.6 ±0.1	100	φ 90	≥90	≤45	1.5 ±0.2	25
φ 12	12.5 ±0.5	≤6.0	0.6 ±0.1	100	φ 100	≥100	≤50	1.65 ±0.2	25
φ 13	13.5 ±0.5	≤6.5	0.6 ±0.1	100	φ 120	≥120	≤60	1.7 ±0.2	15
φ 14	14.5 ±0.5	≤7.0	0.65 ±0.1	100	φ 150	≥150	≤75	1.7 ±0.2	15
φ 15	15.5 ±0.6	≤7.5	0.7 ±0.1	100	φ 180	≥180	≤90	1.75 ±0.2	15
φ 16	17.0 ±0.6	≤8.0	0.7 ±0.1	100					

L-10 防滑花纹管

产品介绍：防滑花纹管,由辐照改性的聚烯烃材料制成。其功能是防滑性装饰，广泛应用于高档钓具，体育器材，健身器材，日常用品，各类手扶工具，厨房用具手柄的防滑性装饰等领域。

产品特点：材质：柔软，收缩快，防滑，美观
使用温度：-55℃-+110℃
热缩倍率:2:1
起始收缩温度：≥+60℃

完全收缩温度：≥+105℃
环保标准：ROHS
标准颜色：黑，红，黄，绿，蓝

产品性能：拉伸强度：测试方法 ASTM D 2671，测试值≥10.4MPA
轴向变化率：测试方法 ASTM D 2671，测试值-8~+8%
断裂拉长率：测试方法 ASTM D 2671，测试值≥200%

Product introduction: The anti-slip pattern tube is made of radiation-modified polyolefin material. Its function is anti-slip decoration, which is widely used in high-end fishing tackle, sports equipment, fitness equipment, daily necessities, various hand tools, anti-slip decoration of kitchen utensil handles and other fields.

Features:

Material: soft, fast shrinkage, non-slip, beautiful
Operating temperature: -55℃-+110℃
Heat shrinkage ratio: 2:1
Initial shrinkage temperature: ≥+60℃

Full shrinkage temperature: ≥+105℃
Environmental protection standard: ROHS
Standard colors: black, red, yellow, green, blue

Product performance:
Tensile strength: test method ASTM D 2671, test value ≥ 10.4MPA
Axial change rate: test method ASTM D 2671, test value -8~+8%
Elongation at break: test method ASTM D 2671, test value ≥200%



型号 Model	收缩前 Beforeshrinking		收缩后 Aftershrinking		包装(米/段) Package(m)
	内径 Innerdiameter(mm)	壁厚 Thickness(mm)	内径 Innerdiameter (mm)	壁厚 Thickness(mm)	
φ 15	≥15	0.45±0.15	≤8 ^(mm)	0.85±0.15	1
φ 20	≥20	0.50±0.15	≤1	0.9±0.15	0.8/1.0/1.6
φ 22	≥22	0.50±0.15	≤12.5	0.9±0.15	0.8/1.0/1.7
φ 25	≥25	0.50±0.15	≤14.5	1.0±0.15	0.8/1.0/1.8
φ 28	≥28	0.50±0.15	≤15.5	1.0±0.15	0.8/1.0/1.9
φ 30	≥30	0.60±0.15	≤17.5	1.2±0.15	0.8/1.0/1.10
φ 35	≥35	0.60±0.15	≤20	1.2±0.15	0.8/1.0/1.11
φ 40	≥40	0.60±0.15	≤23	1.2±0.15	0.8/1.0/1.12
φ 45	≥45	0.65±0.15	≤25	1.25±0.15	0.8/1.0/1.13
φ 50	≥50	0.65±0.15	≤28	1.25±0.15	0.8/1.0

L-11 3:1/4:1 防水带胶双壁管

产品介绍：带胶热收缩套外层采用优质的交联聚烯烃材料，内层热熔胶复合加工而成，外层具有绝缘防腐，耐磨等优点，内层具有低熔点，防水密封和机械应变缓冲性能等优点，广泛应用于电子设备的接线防水，防漏气，电线分支处的密封固定，金属管线的防腐保护，电线电缆的补修，水泵和潜水泵的接线防水等场所。

产品特点：用途：密封防水，外层自熄
适用温度：-45℃-+125℃
热缩倍率:3:1/4: 1
起始收缩温度：≥+70℃
完全收缩温度：≥+120℃
环保标准：ROHS
标准颜色：黑 (可定制其他颜色)
内胶层：熔化温度+70℃-100℃
使用方法：用烘箱和热风枪加热即可收缩

产品性能：拉伸强度：测试方法 ASTM D 2671，测试值≥10.4MPA
轴向变化率：测试方法 ASTM D 2671，测试值-8~+8%
断裂拉长率：测试方法 ASTM D 2671，测试值≥300%
击穿强度（与耐电压2选1）：测试方法 IEC93,测试值≥15kv/mm
体积电阻率（Ω.cm):测试方法IEC 243，测试值≥10¹⁴。
拉伸强度(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥7.3MPA
断裂拉长率(热老化后136℃下168小时): 测试方法 158℃*168H，测试值≥200%

热熔胶性能：吸水率：测试方法 ASTM D 570，测试值0.2%
软化率：测试方法 ASTM D E8，测试值95℃
剥离强度：PE 测试方法 ASTM D 1000 测试值120N/25mm
AL 测试方法 ASTM D 1000 测试值80N/25mm

Product introduction: The outer layer of the rubberized heat-shrinkable sleeve is made of high-quality cross-linked polyolefin material, and the inner layer is made of hot melt adhesive. The outer layer has the advantages of insulation, corrosion resistance, and wear resistance. The inner layer has low melting point, waterproof sealing and mechanical strain buffering properties. Such advantages are widely used in the wiring of electronic equipment for waterproofing, air leakage prevention, sealing and fixing of wire branches, corrosion protection of metal pipelines, repairing of wires and cables, and waterproofing of water pumps and submersible pumps.

Features:

Purpose: sealed and waterproof, the outer layer is self-extinguishing
Applicable temperature: -45℃-+125℃
Heat shrinkage ratio: 3:1/4:1
Initial shrinkage temperature: ≥+70℃
Full shrinkage temperature: ≥+120℃
Environmental protection standard: ROHS
Standard color: black (other colors can be customized)
Inner rubber layer: melting temperature +70℃-100℃
Usage: oven heating and hot air gun to shrink

Product performance:
Tensile strength: test method ASTM D 2671, test value ≥ 10.4MPA
Axial change rate: test method ASTM D 2671, test value -8~+8%
Elongation at break: test method ASTM D 2671, test value ≥300%
Breakdown strength (choose 1 from 2 with withstand voltage): test method IEC93, test value ≥15kv/mm
Volume resistivity (Ω.cm): Test method IEC 243, test value ≥10¹⁴
Tensile strength (168 hours at 136℃ after heat aging): Test method 158℃*168H, test value ≥7.3MPA
Elongation at break (168 hours at 136℃ after thermal aging): Test method 158℃*168H, test value ≥200%
Water absorption: test method ASTM D 570, test value 0.2%
Softening rate: test method ASTM D E8, test value 95℃
Peel strength: PE test method ASTM D 1000 test value 120N/25mm
AL test method ASTM D 1000 test value 80N/25mm

L-11 3:1环保带胶热收缩



型号 Model	内径 Innerdiameter (mm)	收缩后Aftershrinking			标准长度Standardlength			适用范围 Application(mm)
		最大内径 Innerdiameter(mm)	平均胶层厚 InnerThickness(mm)	平均壁厚 Thickness(mm)	米/卷 M/Roll	卷/箱 Roll/box	包装箱规格 Packageboxsp.	
φ3.2	≥3.2	≤1.0	0.35±0.1	0.9±0.15	200	10	46X46X44.5	1-3.1
φ4.8	≥4.8	≤1.6	0.4±0.1	1.±0.15	100	10	46X46X44.5	1.8-4.6
φ6.4	≥6.4	≤2.2	0.45±0.12	1.25±0.15	100	6	46X46X44.5	2.4-6.4
φ7.9	≥7.9	≤2.7	0.5±0.12	1.3±0.15	100	5	46X46X44.5	2.9-7.7
φ9.5	≥9.5	≤3.2	0.5±0.12	1.4±0.15	50	5	46X46X44.5	2.9-7.7
φ12.7	≥12.7	≤4.2	0.5±0.12	1.7±0.15	36.6	5	130X20X16	4.4-12.5
φ15.0	≥15	≤5.2	0.55±0.15	1.8±0.15	30.5	5	130X20X16	5.4-14.8
φ19.1	≥19.1	≤6.3	0.55±0.15	1.95±0.15	30.5	6	130X20X16	6.5-18.8
φ25.4	≥25.4	≤8.5	0.6±0.15	2.05±0.2	30.5	5	130X20X16	8.8-25
φ30.0	≥30.0	≤10.2	0.6±0.15	2.2±0.2	24.4	5	130X20X16	10.5-30
φ39	≥39	≤13.5	0.7±0.15	2.5±0.2	18.3	5	130X20X16	14-39
φ50	≥50	≤17	0.7±0.15	2.8±0.2	12.2	5	130X20X16	17.5-49
φ64	≥64	≤21	1.0±0.2	3±0.2	6.1	7	130X20X16	22-62
φ76	≥76	≤25	1.0±0.2	3±0.2	1.2		130X20X46	26-72
φ90	≥90	≤30	1.0±0.2	3±0.2	1.2		130X20X46	32-88
φ100	≥100	≤34	1.0±0.2	3±0.2	1.2		130X20X46	36-90
φ125	≥125	≤42	1.0±0.2	3±0.2	1.2		130X20X46	44-125

L-11 4:1 环保带胶热收缩



型号 Model	内径 Innerdiameter(mm)	收缩后Aftershrinking			标准 米/卷 M/Roll
		最大内径 Innerdiameter(mm)	平均胶层厚 InnerThickness(mm)	平均壁厚 Thickness(mm)	包装 卷/段 M/part
φ 4	4	1	0.4±0.15	1±0.15	200
φ 6	5	1.5	0.4±0.15	1.1±0.15	100
φ 8	8	2	0.5±0.15	1.5±0.15	50
φ 12	12	3	0.5±0.15	1.7±0.15	1.22
φ 16	16	4	0.6±0.15	2.±0.15	1.22
φ 20	20	5	0.6±0.15	2.3±0.25	1.22
φ 24	24	6	0.6±0.15	2.6±0.25	1.22
φ 32	32	8	0.7±0.15	3±0.3	1.22
φ 52	52	13	0.7±0.15	3.3±0.3	1.22

L-12 带胶中壁管

产品介绍：带胶中壁管由聚烯烃和热熔胶双层构成，外层为聚烯烃，内层为热熔胶，产品具有绝缘和密封防水的双重功能。主要应用于中，低压电缆的终端活中间接头的绝缘防护，以及各类的管道的防腐，防磨损等。

产品特点：材质：外层阻燃，抗紫外线，密封防水，防潮 使用温度：-45℃-+110℃ 热缩倍率:3:1 起始收缩温度：≥+70℃ 完全收缩温度：≥+125℃ 环保标准：ROHS 标准颜色：黑 (可定制其他颜色)	产品性能：拉伸强度：测试方法 ASTM D 2671，测试值≥12MPA 轴向变化率：测试方法 ASTM D 2671，测试值-8~+8% 断裂拉长率：测试方法 ASTM D 2671，测试值≥300% 阻燃性：测试方法 ASTM D 2671 B法，测试值 通过 击穿强度：测试方法 IEC60243, 测试值≥15kv/mm 体积电阻率 (Ω.cm): 测试方法IEC 60093，测试值≥10 拉伸强度(热老化后136℃下168小时)：测试方法 158℃*168H，测试值≥8.4MPA 断裂拉长率(热老化后136℃下168小时)：测试方法 158℃*168H，测试值≥200% 热冲击：测试方法 225℃*4h，测试值 不滴落，无裂痕 吸水性：测试方法 ASTM D570 测试结果 < 0.5
热熔胶性能：吸水率：测试方法 ASTM D 570，测试值0.2% 软化率：测试方法 ASTM D E8，测试值95℃ 剥离强度：PE 测试方法 ASTM D 1000 测试值120N/25mm AL 测试方法 ASTM D 1000 测试值80N/25mm	

Product introduction: The middle wall tube with glue is composed of polyolefin and hot melt adhesive. The outer layer is polyolefin and the inner layer is hot melt adhesive. The product has the dual functions of insulation, sealing and waterproofing. It is mainly used for insulation protection of middle and low voltage cables' terminal or middle joints, as well as various types of pipelines for anti-corrosion and wear prevention.

Features:

Material: outer flame retardant, anti-ultraviolet sealed and waterproof, moisture-proof
Operating temperature: -45℃-+110℃
Heat shrinkage ratio: 3:1
Initial shrinkage temperature: ≥+70℃
Full shrinkage temperature: ≥+125℃
Environmental protection standard: ROHS
Standard color: black(other colors can be customized)
Water absorption: test method ASTM D 570, test value 0.2%
Softening rate: test method ASTM D E8, test value 95℃
Peel strength: PE test method ASTM D 1000 test value 120N/25mm
AL test method ASTM D 1000 test value 80N/25mm

Productperformance:

Tensile strength: test method ASTM D 2671, test value ≥12MPA
Axial change rate: test method ASTM D 2671, test value -8~+8%
Elongation at break: test method ASTM D 2671, test value ≥300%
Flame resistance: test method ASTM D 2671 B method, test value passed
Breakdown strength: test method IEC60243, test value ≥15kv/mm
Volume resistivity (Ω.cm): Test method IEC 60093, test value ≥10
Tensile strength (168 hours at 136℃ after heat aging): Test method 158℃*168H, test value ≥8.4MPA
Elongation at break (168 hours at 136℃ after thermal aging): Test method 158℃*168H, test value ≥200%
Thermal shock: test method 225℃*4h, test value does not drip, no cracks
Water absorption: test method ASTM D570 test result <0.5



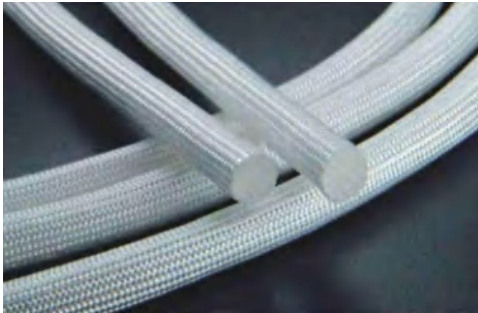
型号 Model	内径 Innerdiameter(mm)	全收缩后 After shrinking				标准包装 M/Roll
		内径 Inner diameter(mm)	外层壁厚 Outer Thickness (mm)	胶层壁厚 Thickness(mm)	总壁厚 Total thickness (mm)	
Φ6.0/ 2.0	≥ 6.0	≤ 2	1.4± 0.2	0.45± 0.15	1. 85±0.3	1.22
Φ8.0/ 2.0	≥ 8.0	≤ 2	1.4± 0.2	0.45± 0.15	1. 85±0.3	1.22
Φ10.2/ 3.0	≥ 10.2	≤ 3	1.4± 0.2	0. 50± 0.15	1.9±0.3	1.22
Φ12.0/ 3.0	≥ 12.0	≤ 3	1.4± 0.2	0. 50± 0.15	1.9±0.3	1.22
Φ16.0/ 5.0	≥ 16	≤ 5.0	1.5± 0.2	0.55± 0.2	2.15 ±0.35	1.22
Φ19.1/ 5.6	≥ 19.1	≤ 5.6	1.8± 0.2	0.60± 0.2	2.4±0.4	1.22
Φ22.0/ 6.0	≥ 22	≤ 6.0	2.0± 0.3	0.60± 0.2	2.6±0.4	1.22
Φ25/ 8	≥ 25	≤ 8.0	2.0± 0.3	0. 65± 0.2	2.7±0.45	1.22
Φ28/ 6	≥ 28	≤ 6	2.4± 0.3	0.95± 0.25	3.3±0. 45	1.22
Φ33/ 8	≥ 33	≤ 8.0	2.5± 0.3	0.8± 0.25	3.3±0.45	1.22
Φ38.1/ 12	≥ 38.1	≤ 12	2.4± 0.3	0.8± 0.25	3.3±0.45	1.22
Φ43.2/ 12.7	≥ 43.2	≤ 12.7	2.4± 0.3	0.8± 0.25	3.3±0. 45	1.22
Φ52.1/ 16	≥ 52.1	≤ 16	2.4± 0.3	0.8± 0.25	3.3±0.45	1.22
Φ65/ 19	≥ 65	≤ 19	2.5± 0.3	0.8± 0.25	3.3±0.45	1.22
Φ75/ 22	≥ 75	≤ 22	2.9± 0.3	0.8± 0.25	3.7±0.5	1.22
Φ85/ 25	≥ 85	≤ 25	2.9± 0.3	0.8± 0.25	3.7±0.5	1.22
Φ95/ 30	≥ 95	≤ 30	3.0± 0.3	0.8± 0.25	3.7±0.5	1.22
Φ115/ 34	≥ 115	≤ 34	3.0± 0.3	0.8± 0.25	3.7±0.5	1.22
Φ140/ 42	≥ 140	≤ 42	3.0± 0.3	0.8± 0.25	3.7±0.5	1.22
Φ160/ 50	≥ 160	≤ 50	3.1± 0.3	0.8± 0.25	3.7±0.5	1
Φ180/ 65	≥ 180	≤ 65	3.1± 0.3	0.8± 0.25	3.7±0.5	1
Φ200/ 69	≥ 200	≤ 69	3.1± 0.3	0.8± 0.25	3.7±0.5	1
Φ230/ 78	≥ 230	≤ 78	3.1± 0.3	0.8± 0.25	3.7±0.5	1

L-13 硅树脂玻璃纤维套管

产品介绍：硅树脂玻璃纤维套管，是由无碱玻璃纤维纱编织成管后，涂以硅树脂高温处理而成。具有良好的介电性，室息性和柔软性，广泛应用于H&N级电机，家用电器，电热设备，特种灯具，电视及电子仪器的内部线束等绝缘保护。

产品特点：使用温度：-40℃-+200℃	环保标准：ROHS，阻燃，环保	标准颜色：白色(可定制其他颜色)
Product introduction: Silicone glass fiber sleeve is made of alkali-free glass fiber yarn woven into a tube and coated with silicone resin for high temperature treatment. With good dielectric properties, suffocation and flexibility, it is widely used in insulation protection of H&N class motors, household appliances, electric heating equipment, special lamps, televisions and internal wiring harnesses of electronic instruments.		
Features: Operating temperature: -40℃-+200℃ Environmental protection standards: ROHS, flame retardant, environmental protection Standard color: white (other colors can be customized)		

技术检测 Technicaltesting	试验方法Testing method	测试值 Test value
外观	目视	表面光滑厚度均等的被覆 有机硅树脂涂膜,编织纹路
连续使用温度	UL标准测试	-10℃ +200℃
耐温性	L标准测试	265±2℃ 168h≥ 1/2原电压
热老化	试验温度260℃,72小时取出置于常温下测试其平均破坏不低于未老化前破坏电压值的一半 同时, 表面无裂纹	260℃, 72小时,无裂纹
冷弯曲	试验温度-10℃,1小时, 将测试管复绕于本规格的套管上复绕6圈,套管表面涂层无裂纹或剥落现象	试验温度-10℃, 1小时无裂
水平燃烧	以1000±50Btu/ft的火焰燃烧 将水平摆放的套管与火焰的外焰接触一次燃烧15秒, 连续5次, 五次试验中的任何一次蔓延火焰不能超过30秒自动熄灭	纹 ≤30秒
燃烧性	UL 1441测试	Vw-1
体积电阻率	UL 1441测试	1014Ω cm以上
水解稳定性	将套管放入水中24小时后套管表面不发粘不变形不软化	不发粘,不变形,不软化



内径 (mm)	1500 V壁厚 (T)	2500 V壁厚 (T)	4000 V壁厚 内纤外胶	7000 V壁厚 内纤外胶	7000 V壁厚 (T) 内胶外纤	包装数量 米 / 卷
Φ1.0±0.2-0	0.25 ±0.05	0.25±0.08	0.30 ± 0.08	0.45 ±0.08	0.60 ±0.1	200米/ 卷
Φ1.5±0.2-0	0.25 ±0.05	0.25±0.08	0.35 ± 0.08	0.50 ±0.08	0.60 ±0.1	200米/ 卷
Φ2.0±0.2-0	0.35 ±0.05	0.35±0.08	0.35 ± 0.08	0.50 ±0.08	0.6 ±0.1	200米/ 卷
Φ2.5±0.3-0	0.35 ±0.05	0.35±0.08	0.40 ± 0.08	0.50 ±0.08	0.6 ±0.1	100米/ 卷
Φ3.0±0.3-0.1	0.35 ±0.05	0.35±0.08	0.40 ± 0.08	0.50 ±0.08	0.75 ±1.0	100米/ 卷
Φ3.5±0.3-0.1	0.35 ±0.05	0.35±0.08	0.40 ± 0.08	0.50 ±0.08	0.75 ±1.0	100米/ 卷
Φ4.0±0.3-0.1	0.35 ±0.05	0.35±0.08	0.45 ± 0.08	0.50 ±0.08	0.75 ±1.0	100米/ 卷
Φ4.5±0.4-0.1	0.35 ±0.05	0.35±0.08	0.45 ± 0.08	0.55 ±0.08	0.75 ±1.0	100米/ 卷
Φ5.0±0.5-0.1	0.35 ±0.05	0.4 ± 0.08	0.50 ± 0.08	0.55 ±0.08	0.75 ±1.0	100米/ 卷
Φ5.5±0.5-0.1	0.35 ±0.05	0.4 ± 0.08	0.50 ± 0.08	0.55 ±0.08	0.75 ±1.0	100米/ 卷
Φ6.0±0.5-0.1	0.35 ±0.05	0.45±0.08	0.50 ±0.08	0.60 ±0.08	0.75 ±1.0	100米/ 卷
Φ7.0±0.6-0.1	0.35 ±0.05	0.45±0.08	0.50 ±0.08	0.65 ±0.08	1.00 ±0.1	100米/ 卷
Φ8.0±0.6-0.1	0.35 ±0.05	0.45±0.08	0.55 ±0.08	0.65 ±0.08	1.00 ±0.1	50米/ 卷
Φ9.0±0.6-0.2	0.40 ±0.05	0.45±0.08	0.60 ±0.08	0.70 ±0.08	1.00 ±0.15	50米/ 卷
Φ10.0±0.7-0.2	0.40 ±0.05	0.45±0.08	0.60 ±0.08	0.70 ±0.08	1.00 ±0.15	50米/ 卷
Φ11.0±0.7-0.2	0.40 ±0.05	0.45±0.08	0.60 ±0.08	0.70 ±0.08	1.00 ±0.15	50米/ 卷
Φ12.0±0.7-0.2	0.40 ±0.05	0.45±0.08	0.60±0.08	0.70 ±0.08	1.10 ±0.15	50米/ 卷
Φ13.0±0.7-0.2	0.40 ±0.05	0.45±0.08	0.60 ±0.08	0.70 ±0.08	1.10 ±0.05	50米/ 卷
Φ14.0±0.7-0.2	0.40 ±0.05	0.45±0.08	0.60 ±0.08	0.70 ±0.08	1.20 ±0.05	50米/ 卷
Φ15.0±0.7-0.2	0.40 ±0.05	0.45±0.08	0.60 ±0.08	0.70 ±0.08	1.20 ±0.05	50米/ 卷
Φ16.0±0.7-0.2	0.40 ±0.05	0.45±0.08	0.60 ±0.08	0.70 ±0.08	1.35 ±0.05	50米/ 卷
Φ17.0±0.7-0.3	0.62 ±0.05	0.62±0.08	0.70 ±0.08	0.75 ±0.08		50米/ 卷
Φ18.0±0.7-0.3	0.62 ±0.05	0.62±0.08	0.70 ±0.08	0. 75±0.08		50米/ 卷
Φ19.0±0.7-0.3	0.62 ±0.05	0.62±0.08	0.70 ±0.08	0.75 ±0.08		50米/ 卷
Φ20.0±0.8-0.3	0.72 ±0.05	0.75±0.08	0.80 ±0.08	0.80 ±0.08		50米/ 卷
Φ25.0±0.8-0.3	0.72 ±0.05	0.75±0.08	0.90 ±0.08	0.95 ±0.08		25米/ 卷
Φ30.0±1.0-1.0	1.2 ±0.05	1.25±0.08				25米/ 卷
Φ35.0±1.0-1.0	1.2 ±0.05					25米/ 卷

L-14 PVC 套管

产品特点: 材质: PVC材料
使用温度: -5°C- +105°C
额定电压: 300V/600V
阻燃: UL224VW-1

产品应用: 应用于电器, 线束, 变压器, 马达引线等的绝缘保护。
绝缘性能, 柔软性, 耐油酸, 保护机挂线和引线。

Features:Material:PVCmaterial
Operatingtemperature:-5°C- +105°C
Ratedvoltage:300V/600V
Flameretardant:UL224VW-1

Applications:
Usedforinsulationprotectionofelectricalappliances,
wiringharnesses,transformers,motorleads,etc.
Insulationperformance,flexibility,oleicacidresistance
protectionofmachinehangingwiresandleads.

产品测试	测试值
连续使用温度范围(°C)	-40~105
拉伸强度(MPa)	≥10.4
断裂伸长率(%)	≥100
空气烘箱老化	(136±1)°C7天
拉伸强度(MPa)(热老化后)	≥7.28
断裂伸长率(%) (热老化后)	≥70
电压等级	300V,600V
体积电阻率(Ω . cm)	≥10
击穿电压(V)	≥2500(60秒)
裸铜腐蚀性	无腐蚀
热冲击	无裂纹
冷弯曲	无裂纹
最大轴向变化	±5%



型号 Model	内径 Innerdiameter(mm)	壁厚Thickness		包装 Package
		300V	600V	
18	1.07±0.15	0.35	0.5	500
17	1.2±0.15	0.35	0.5	500
16	1.3±0.15	0.35	0.5	500
15	1.5±0.2	0.35	0.5	500
14	1.6±0.2	0.35	0.5	500
13	1.9±0.2	0.35	0.5	500
12	2.1±0.2	0.35	0.5	500
11	2.4±0.2	0.35	0.5	500
10	2.7±0.2	0.35	0.5	500
9	3±0.2	0.45	0.5	500
8	3.3±0.2	0.45	0.5	500
7	3.8±0.3	0.45	0.6	500
6	4.2±0.3	0.45	0.6	500
5	4.8±0.3	0.45	0.6	500
4	5.3±0.3	0.45	0.6	500
3	5.9±0.3	0.45	0.6	500
2	6.7±0.3	0.45	0.6	400
1	7.4±0.3	0.45	0.6	400
0	8.2±0.3	0.45	0.6	300
5/16	8±0.3	0.45	0.6	300
3/8	9.5±0.4		0.6	200
7/16	11.1±0.4		0.6	200
1/2	12.7±0.4		0.6	100
9/16	14.3±0.4		0.8	100
5/8	15.9±0.4		0.8	100
3/4	19±0.5		0.8	100
7/8	22.2±0.5		0.8	100
1#	25.46±0.5		0.8	100

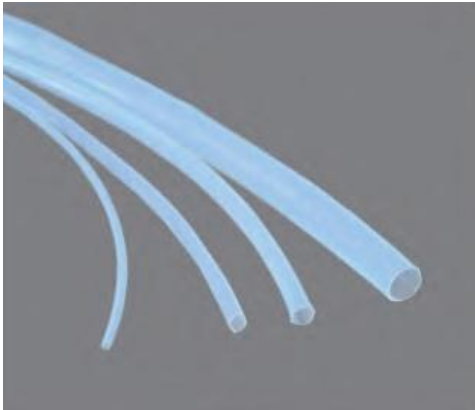
L-15 耐高温聚四氟乙烯套管

产品介绍: 耐高温聚四氟乙烯套管采用进口聚四氟乙烯树脂, 压烧结而成。具有优异的电绝缘, 高阻燃, 自润滑性能, 耐超高温和化学剂, 耐几乎所有油和化学品。广泛应用于汽车, 军工, 航空航天等领域。

产品特点: 执行标准: UL224, C-UL CSA22.20FT
使用温度: -65°C- +200°C
材质: 耐高温, 高阻燃, 耐腐蚀性强。
环保标准: ROHS
标准颜色: 透明

Product introduction: The high temperature resistant PTFE casing is made of imported PTFE resin and pressed and sintered. It has excellent electrical insulation, high flame retardancy, self-lubricating properties, resistance to ultra-high temperature and chemical agents, and resistance to almost all oils and chemicals. It is widely used in automobile, military industry, aerospace and other fields.

Applications: Executivestandard:UL224,C-ULCSA22.20FT
Operatingtemperature:-65°C- +200°C
Material:hightemperatureresistance,highflameretardant,strongcorrosionresistance.
Environmentalprotectionstandard:ROHS
Standardcolor:transparent



产品测试	试验方法	测试值
拉伸强度(MPa)	ASTMD 2671	25
断裂伸长率(%)	ASTMD 2671	300
阻燃性	ASTMD 2671	VW-1
击穿强度(KV/mm)	IEC 60243	≥26
体积电阻率(Ω.cm)	IEC 60093	≥10 ¹⁴
铜腐蚀	UL224	PASS
吸水率(%)	ASTMD 570	<0.1

型号 Model	内径 Innerdiamete(mm)	外层 Outer diameter			标准米/卷 M/Roll
		S	T	L	包装卷/段 M/part
30	0.3±0.1	0.8±0.1	0.7±0.1	0.6±0.1	305
28	0.38±0.1	0.88±0.1	0.78±0.1	0.68±0.1	305
26	0.46±0.1	0.96±0.1	0.86±0.1	0.76±0.1	305
24	0.56±0.1	1.16±0.1	1.06±0.1	0.86±0.1	305
23	0.66±0.1	1.26±0.1	1.16±0.1	0.96±0.1	305
22	0.71±0.1	1.31±0.1	1.21±0.1	1.01±0.1	305
21	0.81±0.1	1.41±0.1	1.31±0.1	1.11±0.1	305
20	0.86±0.1	1.66±0.1	1.46±0.1	1.16±0.1	305
19	0.96±0.2	1.76±0.2	1.56±0.2	1.26±0.2	200
18	1.07±0.2	1.87±0.2	1.67±0.2	1.37±0.2	200
17	1.19±0.2	1.99±0.2	1.79±0.2	1.49±0.2	200
16	1.34±0.2	2.14±0.2	1.94±0.2	1.64±0.2	153
15	1.50±0.2	2.3±0.2	2.10±0.2	1.80±0.2	153
14	1.68±0.2	2.48±0.2	2.28±0.2	2.08±0.2	100
13	1.93±0.2	2.73±0.2	2.53±0.2	2.33±0.2	100
12	2.16±0.25	2.96±0.25	2.76±0.25	2.33±0.2	100
11	2.41±0.25	3.21±0.25	3.01±0.25	2.56±0.25	150
10	2.86±0.25	2.49±0.25	3.29±0.25	2.81±0.25	150
9	3.0±0.25	4.0±0.25	3.8±0.25	3.09±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	4.8±0.25	100
5	4.72±0.25	5.72±0.25	5.52±0.25	5.32±0.25	50
4	5.28±0.3	6.28±0.3	6.08±0.3	5.88±0.25	50
3	5.94±0.3	6.94±0.3	6.74±0.3	6.54±0.25	1
2	6.68±0.3	7.68±0.3	7.48±0.3	7.28±0.25	1
1	7.46±0.3	8.46±0.3	8.26±0.3	8.06±0.25	1
0	8.38±0.3	9.38±0.3	9.18±0.3	8.98±0.25	1



L-16 1KV 热收缩电缆附件

产品介绍：1KV 热收缩电缆附件用于室内外电气端子接头的保护, 广泛应用在电力供应系统, 炼油, 冶金, 铁路港口及对电力供应和电气安全有较高要去的领域。
产品特点：将分断电缆有效地连接在一起, 或连接到终端设备, 具有很好的绝缘性能, 易于安装,区分电缆类型, 运行温度: -55°C至+105°C, 收缩温度120°C至+140°C。

Product introduction: 1KV heat-shrinkable cable accessories are used for the protection of indoor and outdoor electrical terminal joints, and are widely used in power supply systems, oil refining, metallurgy, railway ports, and areas with high requirements for power supply and electrical safety.

Features:Effectivelyconnectthedisconnectedcablestogether,orconnecttotheterminalequipment,withgoodinsulationperformance,easytoinstall, distinguishcabletypes,operatingtemperature:-55°Cto+105°C,shrinkagetemperaturefrom120°Cto+140°C.

产品测试	测试方法	测试值
工频耐压	4kv/1分钟	不击穿不闪络
电压负载循环测试 (3次)	通电5小时	2.4kv/4小时
	通电5小时	不击穿不闪络
工频耐压	2.4kv/4小时	不击穿不闪络

型号 Model	规格 Specification	适用电缆 (mm²)	型号 Model	规格 Specification	适用电缆 (mm²)
1-芯电缆终端	SC-1/1.0	10-16	1-芯中间连接	JSC-1/1.0	10-16
1-芯电缆终端	SC-1/1.1	25-50	1-芯中间连接	JSC- 1/1.1	25-50
1-芯电缆终端	SC-1/1.2	70-120	1-芯中间连接	JSC-1/1.2	70-120
1-芯电缆终端	SC-1/1.3	150-240	1-芯中间连接	JSC- 1/1.3	150-240
1-芯电缆终端	SC-1/1.4	300-400	1-芯中间连接	JSC- 1/1.4	300-400
2-芯电缆终端	SC-1/2.0	10-16	2-芯中间连接	JSC-1/2.0	10-16
2-芯电缆终端	SC-1/2.1	25-50	2-芯中间连接	JSC-1/2.1	25-50
2-芯电缆终端	SC-1/2.2	70-120	2-芯中间连接	JSC- 1/2.2	70-120
2-芯电缆终端	SC-1/2.3	150-240	2-芯中间连接	JSC- 1/2.3	150-240
2-芯电缆终端	SC-1/2.4	300-400	2-芯中间连接	JSC-1/2.4	300-400
3-芯电缆终端	SC-1/3.0	10-16	3-芯中间连接	JSC-1/3.0	10-16
3-芯电缆终端	SC-1/3.1	25-50	3-芯中间连接	JSC- 1/3.1	25-50
3-芯电缆终端	SC-1/3.2	70-120	3-芯中间连接	JSC-1/3.2	70-120
3-芯电缆终端	SC-1/3.3	150-240	3-芯中间连接	JSC-1/3.3	150-240
3-芯电缆终端	SC-1/3.4	300-400	3-芯中间连接	JSC-1/3.4	300-400
4-芯电缆终端	SC-1/4.0	10-16	4-芯中间连接	JSC-1/4.0	10-16
4-芯电缆终端	SC-1/4.1	25-50	4-芯中间连接	JSC-1/4.1	25-50
4-芯电缆终端	SC-1/4.2	70-120	4-芯中间连接	JSC-1/4.2	70-120
4-芯电缆终端	SC-1/4.3	150-240	4-芯中间连接	JSC-1/4.3	150-240
4-芯电缆终端	SC-1/4.4	300-400	4-芯中间连接	JSC-1/4.4	300-400
5-芯电缆终端	SC-1/5.0	10-16	5-芯中间连接	JSC-1/5.0	10-16
5-芯电缆终端	SC-1/5.1	25-50	5-芯中间连接	JSC- 1/5.1	25-50
5-芯电缆终端	SC-1/5.2	70-120	5-芯中间连接	JSC- 1/5.2	70-120
5-芯电缆终端	SC-1/5.3	150-240	5-芯中间连接	JSC1/5.3	150-240
5-芯电缆终端	SC-1/5.4	300-400	5-芯中间连接	JSC-1/5.4	300-400

10KV 热收缩电缆附件

产品介绍：10KV 热收缩电缆附件用于室内外电气端子接头的保护, 广泛应用在电力供应系统, 炼油, 冶金, 铁路港口及对电力供应和电气安全有较高要去的领域。
产品特点：将分断电缆有效地连接在一起, 或连接到终端设备, 具有很好的绝缘性能, 易于安装,区分电缆类型, 运行温度: -55°C至+105°C, 收缩温度120°C至+140°C。

Product introduction: 1KV heat-shrinkable cable accessories are used for the protection of indoor and outdoor electrical terminal joints, and are widely used in power supply systems, oil refining, metallurgy, railway ports, and areas with high requirements for power supply and electrical safety.

Features:Effectivelyconnectthedisconnectedcablestogether,orconnecttotheterminalequipment,withgoodinsulationperformance,easytoinstall, distinguishcabletypes,operatingtemperature:-55°Cto+105°C,shrinkagetemperaturefrom120°Cto+140°C.

L-17 10KV 热收缩电缆附件



产品测试	测试方法	测试值
工频干态耐压	45kv/1分钟	不击穿不闪络
工频湿态耐压	45kv/1分钟	不击穿不闪络
工频长期耐压	35kv/4小时	不击穿不闪络
冲击耐压	105kv/10次	不闪络
直流耐压	52kv/15分钟	不击穿不闪络
局部放电 (kv, pc)	13, ≤20	13, 10

型号 Model	规格 Specification	适用电缆 (mm²)	型号 Model	规格 Specification	适用电缆 (mm²)
1芯户内电缆终端	NSC-10/1.1	25-50	3芯户内电缆终端	NSC-10/3.1	25-50
芯户内电缆终端	NSC-10/1.2	70-120	3芯户内电缆终端	NSC-10/3.2	70-120
1芯户内电缆终端	NSC- 10/1.3	150-240	3芯户内电缆终端	NSC- 10/3.3	150-240
1芯户内电缆终端	NSC-10/1.4	300-400	3芯户内电缆终端	NSC-10/3.4	300-400
1芯户外电缆终端	WSC- 10/1.1	25-50	3芯户外电缆终端	WSC-10/3.1	25-50
1芯户外电缆终端	WSC-10/1.2	70-120	3芯户外电缆终端	WSC-10/3.2	70-120
1芯户外电缆终端	WSC- 10/1.3	150-240	3芯户外电缆终端	WSC- 10/3.3	150-240
1芯户外电缆终端	WSC-10/1.4	300- 400	3芯户外电缆终端	WSC- 10/3.4	300- 400
1芯电缆中间	TSC-10/1.1	25-50	3芯电缆中间	JSC-10/3.1	25-50
1芯电缆中间	TSC-10/1.2	70-120	3芯电缆中间	JSC-10/3.2	70-120
1芯电缆中间	JSC-10/1.3	150-240	3芯电缆中间	JSC-10/3.3	150-240
1芯电缆中间	JSC- 10/1.4	300-400	3芯电缆中间	JSC-10/3.4	300-400

L-18 35KV 热收缩电缆附件

产品介绍：35KV 热收缩电缆附件用于室内外电气端子接头的保护, 广泛应用在电力供应系统, 炼油, 冶金, 铁路港口及对电力供应和电气安全有较高要去的领域。
产品特点：将分断电缆有效地连接在一起, 或连接到终端设备, 具有很好的绝缘性能, 易于安装,区分电缆类型, 运行温度: -55°C至+105°C, 收缩温度120°C至+140°C。

Product introduction: 1KV heat-shrinkable cable accessories are used for the protection of indoor and outdoor electrical terminal joints, and are widely used in power supply systems, oil refining, metallurgy, railway ports, and areas with high requirements for power supply and electrical safety.

Features:Effectivelyconnectthedisconnectedcablestogether,orconnecttotheterminalequipment,withgoodinsulationperformance,easytoinstall, distinguishcabletypes,operatingtemperature:-55°Cto+105°C,shrinkagetemperaturefrom120°Cto+140°C.



产品测试	测试方法	测试值
工频湿态耐压	35kv/1分钟	不击穿不闪络
工频长期耐压	65kv/4小时	不击穿不闪络
冲击耐压	250kv/10次	不闪络
直流耐压	156kv/15分钟	不击穿不闪络
局部放电 (kv, pc)	39, ≤20	39, 4

型号 Model	规格 Specification	适用电缆 (mm²)	型号 Model	规格 Specification	适用电缆 (mm²)
1芯户内电缆终端	NSC-35/1.1	50-95	3芯户内电缆终端	NSC-35/3.1	50-95
1芯户内电缆终端	NSC-35/1.2	120-180	3芯户内电缆终端	NSC-35/3.2	120-180
1芯户内电缆终端	NSC-35/1.3	240-300	3芯户内电缆终端	NSC-35/3.3	240-300
1芯户内电缆终端	NSC-35/1.4	400-500	3芯户内电缆终端	NSC-35/3.4	400-500
1芯户外电缆终端	WSC-35/1.1	50-95	3芯户外电缆终端	WSC-35/3.1	50-95
1芯户外电缆终端	WSC-35/1.2	120-180	3芯户外电缆终端	WSC-35/3.2	120-180
1芯户外电缆终端	WSC-35/1.3	240-300	3芯户外电缆终端	WSC-35/3.3	240-300
1芯户外电缆终端	WSC-35/1.4	400-500	3芯户外电缆终端	WSC-35/3.4	400-500
1芯电缆中间	TSC-35/1.1	50-95	3芯电缆中间	JSC-35/3.1	50-95
1芯电缆中间	JSC-35/1.2	120-180	3芯电缆中间	TSC-35/3.2	120-180
1芯电缆中间	JSC-35/1.3	240-300	3芯电缆中间	JSC-35/3.3	240-300
1芯电缆中间	JSC-35/1.41	400-500	3芯电缆中间	TSC-35/3.4	400-500

L-19 1KV 冷缩电缆附件

产品介绍：冷缩电缆附件是一种采用高弹性硅橡胶预制成形的新型电缆附件，该产品具有特定的介绍电性能，抗漏电和耐腐蚀性强，独特的憎水性，实现了较大的闪湿距离，恒定的收缩率，不受电缆的弯曲而造成绝缘死角，现场安装时无需热源和专用工具，提高了安装效率，并且避免了热缩型电缆附件在安装时因为热缩管的收缩不均匀而造成安全隐患的可能，从而提高了产品的安全性和可靠性，产品性能优良，为安装不需加热，所以特别适合矿山和化工石油工厂等不能使用明火の場合使用。

产品特点：将分断电缆有效地连接在一起,或连接到终端设备,具有很好的绝缘性能,易于安装,区分电缆类型。

Product introduction: Cold-shrinkable cable accessory is a new type of cable accessory prefabricated with highly elastic silicon rubber. This product has specific electrical properties, strong leakage resistance and corrosion resistance, unique water repellency, and achieves a large flash-wet distance. Constant shrinkage rate, no insulation dead angle caused by the bending of the cable, no heat source and special tools are required for on-site installation, which improves the installation efficiency and avoids the uneven shrinkage of the heat-shrinkable cable accessories during installation. The potential for safety hazards improves the safety and reliability of the product. The product has excellent performance and does not require heating for installation, so it is especially suitable for use in mines and chemical and petroleum plants where open flames cannot be used.

Features:Effectivelyconnectthedisconnectedcabletogether,orconnecttotheterminalequipment,withgoodinsulationperformance,easytoinstall,distinguishcabletypes.



产品测试	测试值单位	测试值
硬度	邵氏A	80
拉伸强度	MPA	12
断裂伸长长度	%	300
穿击强度	kv/mm	20
工频耐压	kv	2.5
径向收缩率	%	250
长度收缩率	%	±5

型号 Model	规格 Specification	适用电缆 (mm2)	型号 Model	规格 Specification	适用电缆 (mm2)
1KV冷缩终端	LC-1/3.1	25-50	1kv冷缩中间	JLC-1/3.1	25-50
1KV冷缩终端	LC-1/3.2	70-120	1kv冷缩中间	JLC-1/3.2	70-120
1KV冷缩终端	LC-1/3.3	150-240	1kv冷缩中间	LC-1/3.3	150-240
1KV冷缩终端	LC-1/3.4	300-400	1kv冷缩中间	TLC-1/3.4	300-400
1KV冷缩终端	LC-1/4.1	25-50	1kv冷缩中间	JLC-1/4.1	25-50
1KV冷缩终端	LC-1/4.2	70-120	1kv冷缩中间	JLC-1/4.2	70-120
1KV冷缩终端	LC-1/4.3	150-240	1kv冷缩中间	JLC-1/4.3	150-240
1KV冷缩终端	LC-1/4.4	300-400	1kv冷缩中间	JLC-1/4.4	300-400
1KV冷缩终端	LC-1/5.1	25-50	1kv冷缩中间	JLC-1/5.1	25-50
1KV冷缩终端	LC-1/5.2	70-120	1kv冷缩中间	JLC-1/5.2	70-120
1KV冷缩终端	LC-1/5.3	150-240	1kv冷缩中间	JLC-1/5.3	150-240
1KV冷缩终端	LC-1/5.4	300-400	1kv冷缩中间	JLC-1/5.4	300-400

L-20 10KV 冷缩电缆附件

产品介绍：冷缩电缆附件是一种采用高弹性硅橡胶预制成形的新型电缆附件，该产品具有特定的介绍电性能，抗漏电和耐腐蚀性强，独特的憎水性，实现了较大的闪湿距离，恒定的收缩率，不受电缆的弯曲而造成绝缘死角，现场安装时无需热源和专用工具，提高了安装效率，并且避免了热缩型电缆附件在安装时因为热缩管的收缩不均匀而造成安全隐患的可能，从而提高了产品的安全性和可靠性，产品性能优良，为安装不需加热，所以特别适合矿山和化工石油工厂等不能使用明火の場合使用。

产品特点：将分断电缆有效地连接在一起,或连接到终端设备,具有很好的绝缘性能,易于安装,区分电缆类型。

Product introduction: Cold-shrinkable cable accessory is a new type of cable accessory prefabricated with highly elastic silicon rubber. This product has specific electrical properties, strong leakage resistance and corrosion resistance, unique water repellency, and achieves a large flash-wet distance. Constant shrinkage rate, no insulation dead angle caused by the bending of the cable, no heat source and special tools are required for on-site installation, which improves the installation efficiency and avoids the uneven shrinkage of the heat-shrinkable cable accessories during installation. The potential for safety hazards improves the safety and reliability of the product. The product has excellent performance and does not require heating for installation, so it is especially suitable for use in mines and chemical and petroleum plants where open flames cannot be used.

Features:Effectivelyconnectthedisconnectedcabletogether,orconnecttotheterminalequipment,withgoodinsulationperformance,easytoinstall,distinguishcabletypes.



产品测试	测试值单位	测试值	评注
工频耐压	45kv,1min 不闪络,不击穿	45kv,1min 不闪络,不击穿	通过
局部放电试验	13kv≤20pc	13kv时,3pc	通过
负荷循环试验,3个周期	5h加热,3h冷却,加热,导体温度 95℃	在导体温度 (90C 95C) 下 共经受 3个循环	试验
随后局部放电试验	13kv时放电量 ≤20pc	13kv时,3pc	通过
冲击电压试验	105kv 正负极性个 10次,允许闪络 一次,但不计入总试验次	105kv, 未闪络,未击穿	通过
负极性直流电压试验	50kv, 15min 不闪络,不击穿	52kv, 15min 不闪络,不击穿	通过
4h工频电压试验	35kv, 4h 不闪络,不击穿	35kv, 4h 不闪络,不击穿	通过

L-20 10KV 冷缩电缆附件



型号 Model	规格 Specification	适用电缆 (mm2)	型号 Model	规格 Specification	适用电缆 (mm2)
3芯10KV冷缩户内终端	NLC-10/3.1	25-50	1芯10kv冷缩户内终端	NLC-10/1.1	25-50
3芯10KV冷缩户内终端	NLC-10/3.2	70-120	1芯10kv冷缩户内终端	NLC-10/1.2	70-120
3芯10KV冷缩户内终端	NLC-10/3.3	150-240	1芯10kv冷缩户内终端	NLC-10/1.3	150-240
3芯10KV冷缩户内终端	NLC-10/3.4	300-400	1芯10kv冷缩户内终端	NLC-10/1.4	300-400
3芯10KV冷缩户外终端	WLC-10/3.1	25-50	1芯10kv冷缩户外终端	WLC-10/1.1	25-50
3芯10KV冷缩户外终端	WLC-10/3.2	70-120	1芯10kv冷缩户外终端	WLC-10/1.2	70-120
3芯10KV冷缩户外终端	WLC-10/3.3	150-240	1芯10kv冷缩户外终端	WLC-10/1.3	150-240
3芯10KV冷缩户外终端	WLC-10/3.4	300-400	1芯10kv冷缩户外终端	WLC-10/1.4	300-400
3芯10KV冷缩中间	JLC-10/3.1	25-50	1芯10kv冷缩中间	JLC-10/1.1	25-50
3芯10KV冷缩中间	JLC-10/3.2	70-120	1芯10kv冷缩中间	JLC-10/1.2	70-120
3芯10KV冷缩中间	JLC-10/3.3	150-240	1芯10kv冷缩中间	JLC-10/1.3	150-240
3芯10KV冷缩中间	JLC-10/3.4	300-400	1芯10kv冷缩中间	JLC-10/1.4	300-400

L-21 20KV 冷缩电缆附件 (12/24, 18/30)

产品介绍：冷缩电缆附件是一种采用高弹性硅橡胶预制成形的新型电缆附件，该产品具有特定的介绍电性能，抗漏电和耐腐蚀性强，独特的憎水性，实现了较大的闪湿距离，恒定的收缩率，不受电缆的弯曲而造成绝缘死角，现场安装时无需热源和专用工具，提高了安装效率，并且避免了热缩型电缆附件在安装时因为热缩管的收缩不均匀而造成安全隐患的可能，从而提高了产品的安全性和可靠性，产品性能优良，为安装不需加热，所以特别适合矿山和化工石油工厂等不能使用明火の場合使用。

产品特点：将分断电缆有效地连接在一起,或连接到终端设备,具有很好的绝缘性能,易于安装,区分电缆类型。

Product introduction: Cold-shrinkable cable accessory is a new type of cable accessory prefabricated with highly elastic silicon rubber. This product has specific electrical properties, strong leakage resistance and corrosion resistance, unique water repellency, and achieves a large flash-wet distance. Constant shrinkage rate, no insulation dead angle caused by the bending of the cable, no heat source and special tools are required for on-site installation, which improves the installation efficiency and avoids the uneven shrinkage of the heat-shrinkable cable accessories during installation. The potential for safety hazards improves the safety and reliability of the product. The product has excellent performance and does not require heating for installation, so it is especially suitable for use in mines and chemical and petroleum plants where open flames cannot be used.

Features:Effectivelyconnectthedisconnectedcabletogether,orconnecttotheterminalequipment,withgoodinsulationperformance,easytoinstall,distinguishcabletypes.



产品测试	测试值单位	测试值	评注
工频耐压	45kv,1min 不闪络,不击穿	45kv,1min 不闪络,不击穿	通过
局部放电试验	13kv≤20pc	13kv时,3pc	通过
负荷循环试验,3个周期	5h加热,3h冷却,加热,导体温度 95℃	在导体温度 (90C 95C) 下 共经受 3个循环	试验
随后局部放电试验	13kv时放电量 ≤20pc	13kv时,3pc	通过
冲击电压试验	105kv 正负极性个 10次,允许闪络 一次,但不计入总试验次	105kv, 未闪络,未击穿	通过
负极性直流电压试验	50kv, 15min 不闪络,不击穿	52kv, 15min 不闪络,不击穿	通过
4h工频电压试验	35kv, 4h 不闪络,不击穿	35kv, 4h 不闪络,不击穿	通过



型号 Model	规格 Specification	适用电缆 (mm2)	型号 Model	规格 Specification	适用电缆 (mm2)
3芯20KV冷缩户内终端	NLC-20/3.1	35-70	1芯20kv冷缩户内终端	NLC-20/1.1	35-70
3芯20KV冷缩户内终端	NLC-20/3.2	95-185	1芯20kv冷缩户内终端	NLC-20/1.2	95-185
3芯20KV冷缩户内终端	NLC-20/3.3	240-300	1芯20kv冷缩户内终端	NLC-20/1.3	240-300
3芯20KV冷缩户内终端	NLC-20/3.4	400-500	1芯20kv冷缩户内终端	NLC-20/1.4	400-500
3芯20KV冷缩户外终端	WLC-20/3.1	35-70	1芯20kv冷缩户外终端	WLC-20/1.1	35-70
3芯20KV冷缩户外终端	WLC-20/3.2	95-185	1芯20kv冷缩户外终端	WLC-20/1.2	95-185
3芯20KV冷缩户外终端	WLC-20/3.3	240-300	1芯20kv冷缩户外终端	WLC-20/1.3	240-300
3芯20KV冷缩户外终端	WLC-20/3.4	400-500	1芯20kv冷缩户外终端	WLC-20/1.4	400-500
3芯20KV冷缩中间	JLC-20/3.1	35-70	1芯20kv冷缩中间	JLC-20/1.1	35-70
3芯20KV冷缩中间	JLC-20/3.2	95-185	1芯20kv冷缩中间	JLC-20/1.2	95-185
3芯20KV冷缩中间	JLC-20/3.3	240-300	1芯20kv冷缩中间	JLC-20/1.3	240-300
3芯20KV冷缩中间	JLC-20/3.4	400-500	1芯20kv冷缩中间	JLC-20/1.4	400-500

L-22 35KV 冷缩电缆附件

产品介绍：冷缩电缆附件是一种采用高弹性硅橡胶预制成形的新型电缆附件，该产品具有特定的介绍电性能，抗漏电和耐腐蚀性强，独特的憎水性，实现了较大的闪湿距离，恒定的收缩率，不受电缆的弯曲而造成绝缘死角，现场安装时无需热源和专用工具，提高了安装效率，并且避免了热缩型电缆附件在安装时因为热缩管的收缩不均匀而造成安全隐患的可能，从而提高了产品的安全性和可靠性，产品性能优良，为安装不需加热，所以特别适合矿山和化工石油工厂等不能使用明火の場合使用。

产品特点：将分断电缆有效地连接在一起,或连接到终端设备,具有很好的绝缘性能,易于安装,区分电缆类型。

Product introduction: Cold-shrinkable cable accessory is a new type of cable accessory prefabricated with highly elastic silicon rubber. This product has specific electrical properties, strong leakage resistance and corrosion resistance, unique water repellency, and achieves a large flash-wet distance. Constant shrinkage rate, no insulation dead angle caused by the bending of the cable, no heat source and special tools are required for on-site installation, which improves the installation efficiency and avoids the uneven shrinkage of the heat-shrinkable cable accessories during installation. The potential for safety hazards improves the safety and reliability of the product. The product has excellent performance and does not require heating for installation, so it is especially suitable for use in mines and chemical and petroleum plants where open flames cannot be used.

Features: Effectively connect the disconnected cables together, or connect to the terminal equipment, with good insulation performance, easy to install, and distinguish cable types. ical and petroleum plants where open flames cannot be used.



产品测试	测试值单位	测试值	评注
1min工频率电压试验(湿态)	105kv不闪络,不击穿	105kv,1mi湿态下组合试样各相均未闪络和击穿	通过
局部放电试验	39kv放下电量≤10pc	45Kv下组合试样的放电量≤1pc	通过
负荷循环试验	导体加热到90℃,每一循环为8h,其中加热5h,冷却3h,3次循环	按标准要求完成三次负荷循环试验	通过
随后局部放电试验	39kv时放电量≤20pc	45Kv下组合试样的放电量≤1pc	通过
冲击电压试验	105kv正负极性各10次,允许闪络一次,但不计入总试验次数	250kv正负极性各10次,组合试样各相均未闪络和击穿	通过
负极性15min直流电压试验	52kv,15min不闪络,不击穿	156kv,1mi组合试样各相均未闪络和击穿	通过
4h工频电压试验	35kv,4h不闪络,不击穿	104kv,4h组合试样各相均未闪络和击穿	通过

型号 Model	规格 Specification	适用电缆 (mm ²)	型号 Model	规格 Specification	适用电缆 (mm ²)
3芯35KV冷缩户内终端	NLC-35/3.1	35-70	1芯35kv冷缩户内终端	NLC-35/1.1	35-70
3芯35KV冷缩户内终端	NLC-35/3.2	95-185	1芯35kv冷缩户内终端	NLC-35/1.2	95-185
3芯35KV冷缩户内终端	NLC-35/3.3	240-300	1芯35kv冷缩户内终端	NLC-35/1.3	240-300
3芯35KV冷缩户内终端	NLC-35/3.4	400-500	1芯35kv冷缩户内终端	NLC-35/1.4	400-500
3芯35KV冷缩户外终端	WLC-35/3.1	35-70	1芯35kv冷缩户外终端	WLC-35/1.1	35-70
3芯35KV冷缩户外终端	WLC-35/3.2	95-185	1芯35kv冷缩户外终端	WLC-35/1.2	95-185
3芯35KV冷缩户外终端	WLC-35/3.3	240-300	1芯35kv冷缩户外终端	WLC-35/1.3	240-300
3芯35KV冷缩户外终端	WLC-35/3.4	400-500	1芯35kv冷缩户外终端	WLC-35/1.4	400-500
3芯35KV冷缩中间	JLC-35/3.1	35-70	1芯35kv冷缩中间	JLC-35/1.1	35-70
3芯35KV冷缩中间	JLC-35/3.2	95-185	1芯35kv冷缩中间	JLC-35/1.2	95-185
3芯35KV冷缩中间	JLC-35/3.3	240-300	1芯35kv冷缩中间	JLC-35/1.3	240-300
3芯35KV冷缩中间	JLC-35/3.4	400-500	1芯35kv冷缩中间	JLC-35/1.4	400-500

L-23 欧式可分离电缆附件T型插头

产品介绍：用于环网开关柜的(交联电力电缆)进出线终端，与开关柜的进出线套管座、电缆分支箱的穿墙套管、双通套管，用螺栓连接。也适用于箱式变电站装置。提供电力电缆到开关柜或电缆分支箱的全绝缘，全密封连接，适用电缆导体截面:25-500平方。

产品特点：采用进口三元乙丙橡胶,其不仅具有优异的电气性能,同时抗撕裂、抗臭氧、耐氧化、抗腐蚀、机械强度高。拥有良好的热稳定性和热力学性能。拥有良好的热稳定性和热力学性能。国际先进的三层注射工艺有效地保证了界面性能,避免了层间间隙,最大限度的减小局部放电。内外屏设计使得电场结构更加优化;外屏蔽层接地,有效的使电缆头外表面保持零电位,确保维护操作人员人身安全。

Product introduction: For the (cross-linked power cable) inlet and outlet terminal of the ring network switch cabinet, it is connected with the inlet and outlet bushing seat of the switch cabinet, the wall bushing of the cable branch box, and the double-pass bushing with bolts. It is also suitable for box-type substation installations. Provide the power cable to the switch cabinet or the cable branch box fully insulated, fully sealed connection, applicable cable conductor cross-section: 25-500 square meters.

Features: Imported EPDM rubber is used, which not only has excellent electrical properties, but also has resistance to tearing, ozone, oxidation, corrosion and high mechanical strength. It has good thermal stability and thermodynamic properties. It has good thermal stability and thermodynamic properties. The internationally advanced three-layer injection process effectively guarantees the interface performance, avoids the interlayer gap, and minimizes partial discharge. The design of the inner and outer shields makes the electric field structure more optimized; the outer shield is grounded, which effectively keeps the outer surface of the cable head at zero potential, ensuring the personal safety of maintenance operators.



型号Model	630-95	630-125	250-95	250-125
额定电压	8.7/15(17.5)kv	12/20(24)kv	8.7/15(17.5)kv	12/20(24)kv
额定电流	630A	630A	250A	250A
工频耐压	39kv/5min	54kv/5min	39kv/5min	54kv/5min
局部放电	15kv,≤2pc	20kv,≤2pc	15kv,≤2pc	20kv,≤2pc
冲击电压 (正负极性各10次)	95kv	125kv	95kv	125kv
屏蔽电阻	≤5000Ω	≤5000Ω	≤5000Ω	≤5000Ω
适用电缆截面	25-400mm ²	25-400mm ²	35-120mm ²	35-120mm ²

产品型号 Model	适用最高电压等级 Max.voltage level	额定电流 Rated current	适合电缆结构 Cable structure	电缆绝缘外径 Cable insulation outer dia
			导体截面(mm ²)	适用范围(mm)
欧式新型T型前插头	8.7/15kv	630A	25	16-17.8
欧式新型T型前插头	8.7/15kv	630A	35-50	17-20
欧式新型T型前插头	8.7/15kv	630A	70-95	20-23.1
欧式新型T型前插头	8.7/15kv	630A	120-150	23.1-26.1
欧式新型T型前插头	8.7/15kv	630A	185-240	25.8-30.8
欧式新型T型前插头	8.7/15kv	630A	300	30.4-32.3
欧式新型T型前插头	8.7/15kv	630A	400	33-35.4
欧式新型T型前插头	8.7/15kv	630A	500	36.4-38.3
欧式新型T型后插头	8.7/15kv	630A	25	16-17.8
欧式新型T型后插头	8.7/15kv	630A	35-50	17-20
欧式新型T型后插头	8.7/15kv	630A	70-95	20-23.1
欧式新型T型后插头	8.7/15kv	630A	120-150	23.1-26.1
欧式新型T型后插头	8.7/15kv	630A	185-240	25.8-30.8
欧式新型T型后插头	8.7/15kv	630A	300	30.4-32.3
欧式新型T型后插头	8.7/15kv	630A	400	33-35.4
欧式新型T型后插头	8.7/15kv	630A	500	36.4-38.3

L-24 高倍率硅橡胶通讯冷缩管

产品介绍：高倍率硅橡胶冷缩管采用特制硅橡胶原料制成，具有收缩倍率大，物理机械性能优异，耐刺扎等优点，适用于通讯，有线电视连接接头的防水防潮密封，电线电缆连接的绝缘密封以及其他类型连接件的绝缘保护等。

产品特点：连续使用温度: -60C ~200°。扩张倍率达4倍左右,适合不同直径的连接密封。强韧回弹性、恒久径向压力大,长期防潮性、防水性优异。耐气候性、耐暴晒、耐臭氧老化、抗紫外线、耐盐雾腐蚀。抗撕裂强度优异,用刀割开小口后,割口不会继续扩展。安装简易,无需加热或专门工具,接头处不需热熔胶或胶带加强密封。标准颜色:黑色。

Product introduction: The high-rate silicone rubber cold-shrinkable tube is made of special silicone rubber material. It has the advantages of large shrinkage, excellent physical and mechanical properties, and puncture resistance. It is suitable for waterproof and moisture-proof sealing of communication and cable TV connection joints, and insulation sealing of wire and cable connections And insulation protection of other types of connectors.

Features: Continuous use temperature: -60C ~200°. The expansion ratio is about 4 times, suitable for connection and sealing of different diameters. Strong resilience, long-term radial pressure, excellent long-term moisture resistance and water resistance. Weather resistance, exposure resistance, ozone aging resistance, UV resistance, salt spray corrosion resistance. Excellent tear resistance, after cutting with a knife, the cut will not continue to expand. Installation is simple, no heating or special tools are required, and no hot melt glue or tape is needed to strengthen the seal at the joint. Standard color: black.



产品测试	测试方法	测试值
拉伸强度	GB/T528	9.8MPa
断裂伸长度	GB/T528	840%
穿击强度	ASTMD149	23KV/mm
撕裂强度	ASTM 624	39KN/m
硬度	ASTM D 2240	45邵A
体积电阻率	ASTMD 257	9x10 ⁵ Ω . cm

产品型号 Model	适用连接处		全缩后长度	产品型号 Model	适用连接处		全缩后长度
	最小内径(mm)	最大内径(mm)	L (mm)		最小内径(mm)	最大内径(mm)	L (mm)
φ 28	6	25	36				
φ 28	6	25	43	φ 45	13.5	39	178
φ 28	6	25	130	φ 45	13.5	39	203
φ 28	6	25	150	φ 45	13.5	39	229
φ 32	10.5	27	57	φ 45	13.5	39	279
φ 32	10.5	27	130	φ 45	13.5	39	300
φ 32	10.5	27	178	φ 50	18	45	150
φ 32	10.5	27	203	φ 50	18	45	178
φ 32	10.5	27	229	φ 50	18	45	203
φ 32	10.5	27	279	φ 50	18	45	229
φ 32	10.5	27	305	φ 50	18	45	279
φ 35	10.5	30	130	φ 50	18	45	300
φ 35	10.5	30	178	φ 58	18	51	150
φ 35	10.5	30	203	φ 58	18	51	178
φ 35	10.5	30	229	φ 58	18	51	203
φ 35	10.5	30	279	φ 58	18	51	229
φ 35	10.5	30	305	φ 58	18	51	279
φ 42	12	36	150	φ 58	18	51	300
φ 42	12	36	178	φ 68	22	63	150
φ 42	12	36	203	φ 68	22	63	178
φ 42	12	36	229	φ 68	22	63	203
φ 42	12	36	279	φ 68	22	63	229
φ 42	12	36	300	φ 68	22	63	279
φ 45	13.5	39	150	φ 68	22	63	350

L-25 内置胶泥冷缩套管

产品介绍：内置胶泥套管是在优质硅胶冷缩套管两端增加胶泥结，并在套管永久的径向压力作用下，让套管和电缆之间形成严密结构的新型基站防水产品，非常适合小空间及密集接头操作，是目前最理想、最成熟、最可靠的防水解决方案广泛应用于通讯基站同轴电缆、N型接头及12跳线、Din头及1/2跳线接头的防水密封、有线电视连接接头的防水防潮密封、电线电缆连接的绝缘密封、其它类型连接件的绝缘密封保护。通信专用冷缩管(内置胶泥冷缩管)提供了一种安全简便的方法，对户外裸露的同轴电缆接头进行密封和保护，是保障无线基站可靠通讯的理想材料。尤其适用于那些RRU设备和天线端接头较多，间距较小，操作空间有限的应用。如N型接头及1/2跳线，Din头及1/2跳线等。是替代防水胶带的最佳产品。

产品特点：使用简便，手工操作，无需热源和特殊工具。内置胶泥结构。防水密封性能，弹性的橡胶，即使暴露在室外，始终保持其密封压力，减少安装时的工作量和工作时间，需检测或断开连接时很易除去，抗菌、抗臭氧及耐酸碱，径向压力，使得接头在风中摆动时仍能保持贴服，灰色黑色其它颜色。

Product introduction: The built-in cement casing is a new type of base station waterproof product that adds cement at both ends of the high-quality silicone cold-shrinkable casing, and under the permanent radial pressure of the casing, forms a tight structure between the casing and the cable, which is very suitable for small spaces. It is the most ideal, most mature and reliable waterproof solution at present. It is widely used in communication base station coaxial cables, N-type connec-

L-25 内置胶泥冷缩套管

tors and 12 jumpers, Din heads and 1/2 jumper connectors. Waterproof and moisture-proof sealing of TV connection joints, insulation sealing of wire and cable connections, and insulation sealing protection of other types of connectors. The special cold shrink tube for communication (built-in cement cold shrink tube) provides a safe and convenient method to seal and protect the exposed coaxial cable joints outdoors. It is an ideal material to ensure reliable communication of wireless base stations. It is especially suitable for applications where there are many RRU devices and antenna terminals, small spacing, and limited operating space. Such as N-type connector and 1/2 jumper, Din head and 1/2 jumper, etc. It is the best product to replace waterproof tape.

Features: Easy to use, manual operation, no heat source and special tools are needed. Built-in cement structure. Waterproof sealing performance, elastic rubber, even if exposed to the outdoors, always maintain its sealing pressure, reducing the workload and working time during installation, easy to remove when it needs to be tested or disconnected, antibacterial, ozone resistant, acid and alkali resistant, diameter Toward pressure, so that the joint can remain snug when swinging in the wind, gray and black other colors.



产品测试Producttesting	测试方法Testingmethod	测试值Testvalue
防护等级	IEC60529	IPX8
抗拉强度	ASTMD 421	10.3MPa
断裂伸长率	ASTMD 412	99%
撕裂强度	ASTMD 624	48.6N/MM
电气强度	ASTMD 4325	23KV/MM
体积电阻率	ASTMD 4325	1X1017Ω .CM
热老化	ASTMD 412	pass
臭氧老化	ASTMD 1149	pass
紫外老化	ASTM G 154	pass
脆化温度	ISO812	< -40°C
阻燃性	UL94	V-0
耐候温度		-60~1500°C
操作温度		-40~50°C

型号 Model(mm)	适配最小&最大外径 Max&minouter diamter	完全收缩后长度 shrinklength(mm)	应用 Application
φ25-120	9~20	120	通信1/4对接头
φ28-110	1123	110	通信1/2N型终端接头
φ35-120	12~30	120	有线电视12终端接头
φ40-140	12.735	140	通信1/2DIN头 有线电视540QR终端接头
φ40-200	12.7~35	200	通信1/2转7/8中间接头
φ40-280	12.735	280	有限电视540QR中间对接头

L-26 EPDM-三元乙丙橡胶冷缩管

产品介绍：三元乙丙(EPDM)橡胶冷缩管是一种预先扩张在可抽支撑管上的橡胶绝缘套管，在使用时只需定位后抽去支撑管即可，利用其径向压力形成包覆，起到防水，防潮密封作用。具有优异的耐气候，耐酸碱性能，达到同呼吸密封的效果，是通讯电缆，同轴电缆，中低压电力电缆的理想密封产品。

产品特点：与热缩管相比，更耐气候，抗紫外老化，长期使用不发脆，与硅橡胶冷缩管相比，更耐刺扎，耐磨，耐酸碱。在恶劣环境下与工件同步热胀冷缩，不产生间隙，紧密密封4，在风吹摇摆状态下与工件同步呼吸，密封效果仍然优异。适合1kv以下电力电缆，适合规格范围宽，可用于室内，架空，水中或埋设等场合。强韧回弹性，恒久径向压力大，长期对电缆紧密密封。安装简易，无需加热或专门工具，接头处不需热熔胶或胶带加强密封。

Product introduction: EPDM cold shrink tubing is a kind of rubber insulation sleeve pre-expanded on the extractable support tube. When in use, it only needs to be positioned and then the support tube is removed, and its radial pressure is used to form a package. Cover, play a waterproof, moisture-proof seal. It has excellent weather resistance, acid and alkali resistance, and achieves the same breath sealing effect. It is an ideal sealing product for communication cables, coaxial cables and medium and low voltage power cables.

Features: Compared with heat-shrinkable tubing, it is more resistant to weather, ultraviolet aging, and does not become brittle after long-term use. Compared with silicone rubber cold-shrinkable tubing, it is more resistant to puncture, abrasion, acid and alkali. In harsh environments, it expands and contracts simultaneously with the workpiece, without gaps, and is tightly sealed. 4 It breathes synchronously with the workpiece in the wind and swing state, and the sealing effect is still excellent. Suitable for power cables below 1kv, suitable for a wide range of specifications, and can be used indoors, overhead, underwater or buried. Strong resilience, long-term radial pressure, tightly sealed to the cable for a long time. Installation is simple, no heating or special tools are needed, and no hot melt glue or tape is needed to strengthen the seal at the joint.



产品测试Producttesting	测试方法Testingmethod	测试值Testvalue
拉伸强度	ASTM 412-75	11.8MPa
断裂伸长率	ASTM 412-75	641%
介电强度	ASTM-149-75	19.1KV/mm
介电常数	/	5.0(原值)/5.6(90°C水中7天)
撕裂强度	ASTM 624C-73	38.6KN/m
抗霉菌	ASTM G-21	28天暴露不生长
抗紫外线	ASTM G-53	紫外线照射2000小时无老化
硬度	ASTM D 2240-75	49邵A

L-26 EPDM-三元乙丙橡胶冷缩管



产品型号 Model	适用连接处	适用连接处	全缩后长度	产品型号 Model	适用连接处	适用连接处	全缩后长度
	最小内径(mm)	最大内径(mm)	L (mm)		最小内径(mm)	最大内径(mm)	L (mm)
φ 18	7.8	14.3	80	φ 58	24	49.3	203
φ 18	7.8	14.3	152	φ 58	24	49.3	254
φ 18	7.8	14.3	178	φ 58	24	49.3	305
φ 25	10.1	20.9	178	φ 58	24	49.3	457
φ 25	10.1	20.9	203	φ 58	24	49.3	610
φ 25	10.1	20.9	279	φ 58	20.5	51	254
φ 25	10.1	20.9	305	φ 65	23.7	57.5	254
φ 28	8	22.5	125	φ 77	32.2	67.8	152
φ 35	13.9	30.1	152	φ 77	32.2	67.8	178
φ 35	13.9	30.1	203	φ 77	32.2	67.8	229
φ 35	13.9	30.1	229	φ 77	32.2	67.8	305
φ 35	13.9	30.1	279	φ 77	32.2	67.8	330
φ 42	16.8	35.1	152	φ 77	32.2	67.8	355
φ 42	16.8	35.1	203	φ 77	32.2	67.8	457
φ 42	16.8	35.1	254	φ 77	32.2	67.8	550
φ 42	16.8	35.1	305	φ 77	27.4	70	330
φ 42	16.8	35.1	406	φ 105	42.6	93.7	203
φ 42	16.8	35.1	457	φ 105	42.6	93.7	229
φ 50	13.5	43.7	203	φ 105	42.6	93.7	457
φ 58	24	49.3	152	φ 105	42.6	93.7	508
φ 58	24	49.3	178	φ 120	33	114.3	610

L-27 热收缩封帽

产品介绍：热缩封帽采用聚烯烃辐照交联而成，并涂热熔胶，具有良好的密封性。可用于电缆储存时的末端防水，也可用于路灯接头等的末端处理等。可以选择螺旋涂胶和手工涂胶两种形式，可为客户在封帽订单安装气门嘴。常规颜色是黑色，其他颜色需要订做。

产品特点：适用10KV电压电缆，具有良好的绝缘性或半导性，耐环境性能优良，密封效果绝佳，操作简单，运行温度-40℃至+125℃，收缩温度105℃至135℃。

Product introduction: The heat-shrinkable sealing cap is made by radiation cross-linking of polyolefin and coated with hot melt adhesive, which has good sealing performance. It can be used for end waterproofing during cable storage, as well as end treatment for street lamp joints, etc. Two forms of spiral gluing and -annual gluing can be selected, and the valve can be installed in the cap order for customers. The regular color is black, other colors need to be customized.

Features: Suitable for 10KV voltage cables, with good insulation or semiconductivity, excellent environmental resistance, excellent sealing effect, simple operation, operating temperature -40°C to +125°C, shrinkage temperature 105°C to 135°C.



产品测试Product testing	测试方法Testing method	测试值 Test value
拉伸强度	ASTM D638	≥12MPa
断裂伸长率	ASTM D638	≥300%
电气强度	ASTM D149	≥20kv/mm
抗应力开裂	ASTM D1693	No cracking
体积电阻率	ASTM D257	≥1X10 ⁴ Ω cm
耐真菌腐蚀	ISO846	Pass
纵向收缩率	ASTM D2671	≤10%
偏壁率	ASTM D2671	≤30%
吸水率	ASTM D570	≤0.5%

型号 Model	内径最小值 Min Inner diameter (mm)	收缩后 Aftershrinking		适用电缆外径 For cables outer Dia
		内径最大值 Max inner dia (mm)	长度 Length (mm)	
8X25	8	4	25	5-7
10X30	10	5	30	6-9
13X30	13	6.5	30	7-11
15X40	15	7.5	40	8-13
18X40	18	9	40	11-15
20X40	20	10	40	12-17

L-27 热收缩封帽



L-28 热收缩指套

产品介绍：热收缩指套采用注塑成型技术，经过辐射交联，特殊扩张技术，大小端部位采用热熔胶涂覆在电缆分支部位起到防水，防潮，密封的作用，产品可采用半导体材料或绝缘材料制成，具有高收缩率等特点,1个产品可以使用在两种或多种不同的电缆分支部位，有效的降低产品的库存和区分费用。

产品特点：适用10KV电压电缆，具有良好的绝缘性或半导性，耐环境性能优良，密封效果绝佳，操作简单，运行温度：-40℃至-125℃收缩温度:105℃至135℃。

Product introduction: The heat shrinkable finger sleeve adopts injection molding technology, through radiation cross-linking, special expansion technology, and the large and small ends are coated with hot melt adhesive on the cable branch to play a waterproof, moisture-proof and sealing role. The product can be made of semi-conductive materials or insulation It is made of material and has the characteristics of high shrinkage. One product can be used in two or more different cable branch locations, effectively reducing product inventory and distinguishing costs.

Features: Suitable for 10KV voltage cable, with good insulation or semiconductivity, excellent environmental resistance, excellent sealing effect, simple operation, operating temperature: -40°C to -125°C, shrinkage temperature: 105°C to 135°C.



产品测试Product testing	测试方法Testing method	测试值 Test value
拉伸强度(Mpa)	ASTM D 2671	≥15
断裂伸长率(%)	ASTM D 2671	≥500
体积电阻率(Ω .cm)	ASTM D 2671	≥10 ⁶ (S)≥10 ⁴ (I)
介电强度	ASTM D 2671	≥20kv/mm(I)
耐电碳痕	ASTM D 2303	通过
拉伸强度(Mpa)(老化后136℃下168小时)	ASTM D 2671	≥12MPa
断裂伸长率(%) (老化后136℃下168小时)	ASTM D 2671	≥350%
低温柔韧性(-55℃下4H)	ASTM D 2671	不龟裂

L-28 热收缩指套



产品型号 Model		基体尺寸		手指尺寸		全长	指长
		收缩前(mm)	收缩后(mm)	收缩前(mm)	收缩后(mm)	±10% (mm)	±10% (mm)
2芯	2-24/12 (0#)	24	12	12	5	130	55
	2-38/16 (1#)	38	16	20	7	140	60
	2-48/18 (2#)	48	18	25	9	145	60
	2-60/24 (3#)	60	24	35	11	135	55
	2-72/25 (4#)	72	25	40	12	140	60
3芯	3-24/16 (-2#)	24	16	11	5	140	50
	3-48/22 (-1#)	48	22	18	7	170	55
	3-60/28 (0#)	60	28	25	8	175	55
	3-70/36 (1#)	70	36	30	13	210	55
	3-85/45 (2#)	85	45	40	16	225	60
	3-110/53 (3#)	110	53	42	19	250	85
	3-125/63 (4#)	125	63	58	25	245	95
	3-140/63 (5#)	140	63	65	25	245	90
4芯	4-38/18 (0#)	38	18	10	5	130	45
	4-50/24 (1#)	50	24	16	7	135	45
	4-70/32 (2#)	70	32	23	9	180	65
	4-80/44 (3#)	80	44	30	13	210	75
	4-90/44 (4#)	90	44	35	13	210	75
	4-110/53 (5#)	110	53	40	13	210	75
5芯	5-42/21 (0#)	42	21	12	5	155	55
	5-57/29 (1#)	57	29	16	7	170	60
	5-70/38 (2#)	70	38	23	9	170	55
	5-90/50 (3#)	90	50	30	13	180	60
	5-120/47 (4#)	120	47	39	14	205	80

L-29 卡扣式硅橡胶绝缘护套管

产品介绍：采用优质硅橡胶材料制成，具有优异的电气、抗漏电起痕性能，耐候性极佳，机械性能高，具有憎水性及憎水性迁移等特点，耐高低温性能极其优异，可在-50℃~+150℃条件下连续使用。安装方便简单，省工省时。

产品特点：安装简捷，无需动火，停电施工时间短，柔软、耐折弯,使用寿命长，抗老化，耐腐蚀。

Product introduction: Made of high-quality silicone rubber materials, it has excellent electrical and tracking resistance, excellent weather resistance, high — echanical properties, hydrophobic and hydrophobic migration characteristics, and excellent high and low temperature resistance, which can be in -50 Continuous use at ℃~+150℃. The installation is convenient and simple, saving labor and time.

Features: The installation is simple, no hot fire, short construction time after power failure, soft, bending resistant, long service life, anti-aging and corrosion resistant.



产品测试 Producttesting	标准要求 Standardclaim	测试方法 Testingmethod	测试值 Testvalue
电气强度试验(Kv/mm)	≥20	GB/T1408.1-2006	22
体积电阻率(Ω .cm)	≥1X10 ⁴	GB/T1410-2006	2X10 ⁴
介电常数	2~3	GB/T1409-2006	2.3
邵氏硬度	70±5	GB/T531	71
机械性能	~	GB/T528	~
老化前	~		~
抗张强度(Mpa)	≥4.0		5.5
断裂伸长率(%)	≥200		243
老化后(180℃X7d)	~		~
抗张强度变化率(%)	±30		13
断裂伸长率变化率(%)	±30		-22
低温伸长率(-15℃X (%))	≥20	GB/T2951.41997	190
低温柔韧性(-50℃X	无裂纹	UL2242004	无裂纹
高温抗开裂15℃X	无裂纹	GB/T2951.61997	无裂纹

L-29 卡扣式硅橡胶绝缘护套管



横截面积 Crossection(mm)	外径 Outer diamter(mm)	对应绝缘护套管规格 Correspondingspecifications(mm)
35		φ 12
50		φ 15.6
70/10.0	11.4	φ 17
70/40.0	13.6	φ 17
95/15.0	13.61	φ 17
95/20.0	13.87	φ 17
95/55	16	φ 17
120/7.0	14.5	φ 20
120/20.0	15.07	φ 20
120/25.0	15.74	φ 20
120/70.0	18	φ 20
150/8.0	16	φ 20
150/20.0	16.67	φ 20
150/25.0	17.1	φ 20
150/35.0	17.5	φ 20
LGJJ-120	15.5	φ 20
LGJJ-150	17.5	φ 20
LGJQ-150	16	φ 20
185/10.0	18	φ 24.2
185/25	18.9	φ 24.2

L-30 1KV/10KV/35KV 连续母排热缩套管

产品介绍：连续母排保护套管采用高能电子束轰击交联的环保性聚烯烃热缩材料制成，具有优良的阻燃性，绝缘性，热稳定性，能够提供较高的绝缘强度及耐电碳痕性能，限制 PBB PBBD，PBBE类及重金属等对环境有害的物质，燃烧时间、不产生毒气及有害物质，适用于母线和电气设备的防腐和绝缘防护，通过了武高所，西高所认证。产品广泛用于电力行业，通信，汽车，船舶，飞机制造等领域。

产品特点：收缩倍率：2:1，起始收缩温度：≥+84℃，完全收缩温度：≥+120℃。工作温度：-55℃~+125℃，环保，强度高，弹性，阻燃。环保标准：ROHs7 颜色：红，黄，绿 (其他颜色可订做) 。

Product introduction: The continuous busbar protection sleeve is made of high-energy electron beam bombardment and cross-linked environmentally friendly polyolefin heat-shrinkable material. It has excellent flame retardancy, insulation, thermal stability, and can provide high insulation strength and electric carbon resistance. Trace performance, limit PBB PBBD, PBBE and heavy metals that are harmful to the environment, burn time, do not produce toxic gases and harmful substances, suitable for anti-corrosion and insulation protection of busbars and electrical equipment, and have passed the certification of Wu Gao Institute and Xi Gao Institute. Products are widely used in the power industry, communications, automobiles, ships, aircraft manufacturing and other fields.

Features: Shrinkage ratio: 2:1, initial shrinkage temperature: ≥+84℃, complete shrinkage temperature: ≥+120℃. Working temperature: -55℃~+125℃, environmental protection, high strength, flexibility, flame retardant. Environmental protection standard: ROHs7 Color: red, yellow, green (other colors can be customized).



产品测试Producttesting	测试方法Testingmethod	测试值Testvalue
拉伸强度	CB/T1040	≥8Mpa
断裂伸长率(%)	CB/T1040	≥300
体积电阻率(Ω .cm)	GB/T1410	≥4.3X10 ¹⁴
拉伸强度(Mpa)(老化后136℃下168小时)	GB/T1040,GB/T7141	≥6.4Mpa
断裂伸长率(%) (老化后136℃下168小时)	GB/T1040,GB/T7141	≥100%
径向收缩率	~	≥50%
轴向变化率	~	φ 20-φ 30≤5%
	~	φ 40-φ 50≤8%
	~	φ 60以上≤15%
阻燃性氧指数0.1)	GB/T2406	≥28
耐低温性能	(-40℃下)	不开裂
热冲击	JB782附录D(160CX4H)	无裂纹，无滴落
击穿强度	GB/T1408.1	≥15(KV/MM)
硬度(邵氏A)	GB 2411	≤90

产品测试Producttesting	测试值Testvalue		
	1kv等级	10kv等级	35kv等级
工频电压试验(kv)	2	42	95
雷电冲击电压试验(kv)	4	75	185

L-30 1KV/10KV/35KV 连续母排热缩套管

1KV 热收缩母线保护套管



型号 Model	收缩前Beforeshrinking		收缩后Aftershrinking		标准长度 Length(m/Roll)
	内径 Innerdiameter(mm)	壁厚 Thickness(mm)	内径 Innerdiameter (mm)	壁厚 Thickness(mm)	
φ 18/9	18	0.27	9	0.55	50
φ 20/10	20	0.3	10	0.6	50
φ 25/12	25	0.3	12	0.6	25
φ 30/15	30	0.3	15	0.6	25
φ 35/17	35	0.32	17	0.65	25
φ 40/20	40	0.32	20	0.65	25
φ 45/22	45	0.35	22	0.7	25
φ 50/25	50	0.35	25	0.7	25
φ 60/30	60	0.4	30	0.8	25
φ 70/35	70	0.4	35	0.8	25
φ 80/40	80	0.4	40	0.8	25
φ 90/45	90	0.4	45	0.8	25
φ 100/50	100	0.45	50	0.9	25
φ 120/60	120	0.45	60	0.9	25
φ 150/60	150	0.57	60	1.4	25
φ 180/72	180	0.57	72	1.4	25
φ 210/84	210	0.7	84	1.6	25

10KV 热收缩母线保护套管



型号 Model	收缩前Beforeshrinking		收缩后Aftershrinking		标准长度 Length(m/Roll)
	内径 Innerdiameter(mm)	壁厚 Thickness(mm)	内径 Innerdiameter (mm)	壁厚 Thickness(mm)	
φ 20/10	20	1.09	10	2	25
φ 25/12	25	1.04	12	2	25
φ 30/15	30	1.06	15	2	25
φ 40/20	40	1.05	20	2	25
φ 45/22	45	1.02	22	2	25
φ 50/25	50	1.04	25	2	25
φ 60/30	60	1.14	30	2.2	25
φ 70/35	70	1.13	35	2.2	25
φ 80/40	80	1.13	40	2.2	25
φ 90/45	90	1.13	45	2.2	25
φ 100/50	100	1.12	50	2.2	25
φ 120/60	120	1.12	60	2.2	25
φ 150/60	150	1.13	60	2.75	25

35KV 热收缩母线保护套管



L-31 热缩包覆带

产品介绍：包覆带采用环保交联聚烯烃材料和热熔胶复合而成，特性柔软，具有绝缘、防腐等功能。主要用于电力、通信、汽车、船舶、飞机制造等行业的电缆外护层以防机械损伤，如有机溶剂溶蚀破损面的修补，热缩电缆中间接头，护套端口的防水密封处理，带电裸导线过树防护，穿越隧道防冰柱短路处理管道防腐和密封，开关柜和电站母线排的绝缘防护处理等需要绝缘和密封的场所。

产品特点：热缩倍率：≥30%，起始收缩温度：≥+70℃，完全收缩温度：≥+125℃，使用温度：-45℃-+105℃，绝缘、防腐、施工方便，环保标准：RoHS7
标准颜色：黑、红、黄、绿。

Product introduction: The covering belt is made of environmentally friendly cross-linked polyolefin material and hot melt adhesive, with soft characteristics, insulation, anti-corrosion and other functions. Mainly used in the electric power, communication, automobile, ship, aircraft manufacturing and other industries to prevent mechanical damage, such as the repair of the damaged surface of the organic solvent, the heat shrinkable cable intermediate joint, the waterproof sealing treatment of the sheath port, and the live bare Wire tree protection, anti-icicle short-circuit treatment through tunnels, pipeline anti-corrosion and sealing, insulation protection treatment of switch cabinets and power station busbars, etc., where insulation and sealing are required.

Features: Heat shrinkage ratio: ≥30%, Initial shrinkage temperature: ≥+70℃, Full shrinkage temperature: ≥+125℃, Operating temperature: -45℃-+105℃, Insulation, anti-corrosion, convenient construction, Environmental protection standard: RoHS7 Standard colors: black, red, yellow, green.



产品测试Producttesting	测试方法Testingmethod	测试值Testvalue
拉伸强度	ASTM D 2671	≥10.4Mpa
断裂伸长率	ASTM D 2671	≥200%
拉伸强度(老化后136℃下168小时)	ASTM D 2671	≥10Mpa
断裂伸长率(老化后136℃下168小时)	ASTM D 2671	≥200%
轴向变化率	UL224	-10%~+10%
击穿强度	IEC60243	≥10kv/mm
体积电阻率	IEC60093	≥100 ¹⁴ Ω *cm

标准宽度 Standandwidth(mm)	材料厚度 Materialthickness(mm)	标准长度 Length(mm)
25±2.0	0.8±0.2	5.10
50±4.0	0.8±0.2	5.10
100±4.0	0.8±0.2	5.10
25±4.0	1.0±0.2	5.10
50±4.0	1.0±0.2	5.10
100±4.0	1.0±0.2	5.10

L-32 硅橡胶自粘带

产品介绍：硅橡胶自粘带是以硅橡胶为基体，加入自粘性的特种耐热树脂，用特殊的工艺加工而成，它有良好的弹性，伸缩性大，包扎紧密性好及有良好的耐热性和耐塞性，在这种环境下仍有良好的介电性能，同时还具有耐电弧性好，导热系数高，散热性好的优点，因此是适合用于H级电机电器引接线包扎的理想绝材料。

Product introduction: Silicone rubber self-adhesive tape is made of silicone rubber as the matrix, added with self-adhesive special heat-resistant resin, and p-rocessed by a special process. It has good elasticity, large flexibility, good packing tightness and good resistance. Thermal and plug resistance, it still has good die-lectric properties in this environment, and it also has the advantages of good arc resistance, high thermal conductivity, and good heat dissipation. Therefore, it is s-uitable for H-class electrical and electrical lead wire wrapping of Ideal insulation material.

产品特点：

1.电气绝缘性能
(1) 体积电阻率:至少10的13次方Ω/cm(ASTM D257)。 (2) 每厘米厚度的绝缘电压达到1万kv, 可为缠绕处提供安全的绝缘环境:使用0.5mm的厚度即可实现绝缘电压13.5kv可满足绝缘要求，亦可称为硅胶高压自粘带。 (3) 该产品的主要成分含有S1, 即使在燃烧之后，生成so2依然具有绝缘性能。 (4) 对于一些特殊要求的场合，也有完全阻燃的产品来提供完全绝缘安全的操作环境。 (5) 具有优良的抗电晕性能，防电弧和防道性能，提供安全的工作环境。
2.耐温及耐老化性能
(1) 耐温范50℃+260℃，最高耐温350℃。 (2) 热稳定性180℃，在此温度下长期使用，产品可安全使用长达10年以上，耐老化性能优异。 (3) 在250℃环境下，在此温度下长期使用寿命长达3000小时。
3.密封防潮性能
(1) 主要材料是硅徽胶，水汽不会透过硅胶带渗透，具有优异的防性能，实现有效 (2) 密封环保、阻燃、无毒、健康、本身固有阻燃作用，燃烧时生成无导电性的灰，用胶带缠绕后，以12重方式缠绕，常温下24小时之内实现自身融合，缠绕后各层永久 融合成一层。而且该过程不可逆转，紧紧的贴合在缠绕处，由于服帖性好,即使在不规则弯曲部位也能紧紧贴合,不会边，实现密封功能，亦称自熔硅胶带。3)自身粘结 强度大，可达到:50g/mm,吸水性0.9%。

L-32 硅橡胶自粘带

4.化学性能
(1) 具有抗氧化，抗臭氧作用。 (2) 具有抗紫外线作用，耐气候性佳。 (3) 主要材料是硅胶，具有良好的耐油及其它溶剂性，具备耐腐蚀作用。
5.机械性能
(1) 具有优异的减震，隔热作用。 (2) 具有良好的抗机械冲击性能。 (3) 拉伸率达到500%
6.使用方便
(1) 缠绕一层就起到良好的绝缘作用少了劳力和成本。 (2) 所有的胶带都有特制的隔离衬层加以保护，使用时去掉层可直接缠绕接触面。3)后续需要维修时，刀片划开自熔胶带之后，自熔胶带即可很方便的脱落。
7.使用方法
(1) 拉伸率达到500%缠绕时拉伸应为200%使用。 (2) 拉伸缠绕时一半为宜，缠绕最后一圈自然搭接。
8.主要用途
用于变压器、线圈、机电、汽车线束、电动机的引出线头密封、不会进漆，塑电缆终端和中间连接的绝缘保护及通讯电缆接头的绝缘密封。是国内绝缘胶带中少有的一种新型产品。



产品测试Producttesting	测试方法Testingmethod	测试值Testvalue
扯断强度	GE/T5281198	2.5mpa
扯断伸长率	GE/T528 1198	500%
体积电阻率	GB/T16922008	10 ¹⁴ Ω /cm
击穿强度	GB/1695-2005	28kv/mm
自身粘合度	ASTMD 2148	52g/mm
吸湿性	在21℃水中浸泡48小时	0.90%



型号Model	规格Specification	颜色Color
25	0.4mm*25mm*5m	红,黑,白,绿,黄,蓝
25	0.5mm*25mm*5m	
50	0.5mm*50mm*5m	
50	0.8mm*50mm*5m	
50	1.0mm*50mm*5m	

L-33 热缩绝缘接头盒

产品介绍：铜排接点防护盒是由交联聚烯烃材质加工而成，具有优良的电气绝缘性，施工安装方便，环境适应性良好，使用寿命长等特点。主要应用于开关柜厂、电厂，变电站中的母排连接处的绝缘保护及安全防护。杜绝异物搭接动物爬行引起的短路事故:防止人身触电，污染及凝露闪络现象发生:少空气和有害气体对导电材料的腐蚀，延长电器设备的使用寿命。

产品特点：执行标准:RoHS，工作温度: -50℃- +105℃，功能用途: 绝缘防护4，应用领域: 电厂、变电站等。

Product introduction: The copper bar contact protection box is made of cross-linked polyolefin material. It has excellent electrical insulation, convenient construction and installation, good environmental adaptability, and long service life. It is mainly used for insulation protection and safety protection of busbar connections in switchgear factories, power plants and substations. Eliminate short-circuit accidents caused by foreign objects overlapping animal crawling; prevent personal electric shock, pollution and condensation flashover phenomenon: reduce the corrosion of conductive materials by air and harmful gases, and extend the service life of electrical equipment.

Features: Executive standard: RoHS, working temperature: -50℃- +105℃, functional use: insulation protection4, application areas: power plants, substations, etc.

L-33 热缩绝缘接头盒



产品测试Producttesting	测试方法Testingmethod	测试值Testvalue
拉伸强度(Mpa)	ASTM D 2671	≥12
热稳定性	IEC216	105℃
体积电阻率(Ω . cm)	ASTM D 2671	≥10 ¹⁴
介电强度(壁厚2mm/0.08inch)	ASTM D 2671	≥20kv/mm
介电强度(壁厚2.5mm/0.1inch)		≥17kv/mm
伸长强度{盐碱溶剂腐蚀(23℃下168H)}	IEC606842	≥8Mpa
断裂伸长率{盐碱溶剂腐蚀(23℃下168H)}		≥250%
伸长强度(老化后136℃下168小时)	ASTM D 2671	≥10Mpa
断裂伸长率(老化后136℃下168小时)	ASTM D 2671	≥300%
铜腐蚀(158℃下168H)	IEC606843	通过
热冲击(200℃下4H)	ASTM D 2671	不滴不流
吸水性(23℃下336H)	ASTM D 570	≤0.5%
低温柔韧性(-40℃下4H)	ASTM D 2671	不龟裂
长期老化(120℃下3000H)	IEC606842	≥175%
光照下颜色稳定性	IEC606843	未见变化

型号Model	名称Name	接点形式Connectiontype	防护图示Protectionicon	产品图Productpicture	应用Application	颜色Color
CLBH-T	母排" T "型保护盒				母排T型接点	红，黄绿，黑
CLBH-I	母排" I "型保护盒				母排I型接点	红，黄绿，黑
CLBH-L	母排" L "型保护盒				母排L型接点	红，黄绿，黑
CLBH+	母排" + "型保护盒				母排“ + ”字连接处	红，黄绿，黑
CLBH-JYZ	绝缘子支架母排" E " 接				绝缘子支架母排处	红，黄绿，黑
CLBH-CQ	10KV穿墙接				母排与穿墙绝缘子连接处	红，黄绿，黑
CLBH-RL	母排中间软连接				母排与母排用软连接处	红，黄绿，黑

L-34 硅橡胶绝缘护罩

产品介绍：硅橡胶绝缘护罩采用抗老化性强的高分子材料和进口硅橡胶制成，产品具有韧性好、疏水性强、抗紫外线、适用于电力设备配电变压器、避雷器、户外开关、母线排等接线端头绝缘安全护具，能有效的防止裸露在外的电气设备接线头，由于各种原因造成损坏电力设施和触电伤亡事故的发生。变压器接头护罩一套为7只，三进四出，一般接线方式有设备线夹型和接线端子型。用户按变压器进出线低货。变压器接头护罩有一套10只，三进四出三防雷。

产品特点：有效的杜绝飞禽走兽等小动物或异物搭接造成的短路事故。防止凝露闪络、污秽闪络。冰柱粘雪造成的电气事故。防止酸雨、盐雾及有害化学气体对变压器进出线的腐蚀。避免行人误触裸露的电气接点而造成的人身伤亡事故。防护罩与计量装置全封闭运行可防止不法分子窃电。扣接结构，安装简单，可重复使用颜色：红，黄，绿，黑。

产品性能：产品采用合成硅橡胶高温硫化而成，永不变型、柔韧性高、耐撕裂、产品寿命可达50年。具有良好绝缘性能，绝缘强度≥20kvmm，绝缘电阻≥1010产品设计合理，安装方便，扣接结构便于检修时拆装重复使用。产品耐高温低温，可在-60℃-190℃范围内使用。耐紫外线，优异的疏水性，耐老化，满足户外长期运行。

Product introduction: Silicone rubber insulation shield is made of high-ageing resistant polymer materials and imported silicone rubber. The product has good toughness, strong hydrophobicity, and UV resistance. It is suitable for wiring of power equipment distribution transformers, lightning arresters, outdoor switches, bus bars, etc. The end insulating safety protective gear can effectively prevent the exposed electrical equipment terminals from damaging the electrical equipment and electric shock accidents due to various reasons. There are 7 sets of transformer connector shields, three in and four out. The general wiring methods include equipment clamp type and terminal type. The user presses the transformer into and out of the line to low goods. There is a set of 10 transformer connector shields, three in and four out, three lightning protection.

Features: Effectively put an end to short-circuit accidents caused by overlapping small animals such as birds and beasts or foreign objects. Prevent condensation flashing, pollution flashing. Electrical accident caused by icicle sticking to snow. Prevent acid rain, salt spray and harmful chemical gases from corroding the transformer inlet and outlet wires. Avoid personal injury and death accidents caused by pedestrians accidentally touching the exposed electrical contacts. The fully enclosed operation of the protective cover and metering device can prevent criminals from stealing electricity. The buckle structure is simple to install and can be reused. Color: red, yellow, green, black.

Performance: The product is made of synthetic silicone rubber vulcanized at high temperature, which is never-changing, high flexibility, tear resistance, and product life up to 50 years. It has good insulation performance, insulation strength ≥20kvmm, insulation resistance ≥1010. The product design is reasonable, easy to install, and the buckle structure is easy to disassemble and re-use during maintenance. The product is resistant to high temperature and low temperature, and can be used in the range of -60℃-190℃. UV resistance, excellent hydrophobicity, aging resistance, meet long-term outdoor operation.

名称 Name	产品图 Productpicture	防护图示 Protectionicon	接点形式 Connectiontype	应用 Application	颜色 Color
10KV配变30"进出线保护罩(短)				30"进出线	黄、绿、红、黑
10KV配变水平进出线防护盒(短)				水平进出线	黄、绿、红、黑
10KV配变低压30"出线防护盒(长)				30"出线	黄、绿、红、黑
10KV配变高压60"进线防护盒				60"进线	黄、绿、红
10KV配变低压60"出线防护盒				60"出线	黄、绿、红、黑
10KV配变低压垂直双出线防护盒				重直四出线	黄、绿、红、黑
10KV配变低压水平出线防护盒(长)				高压计量电缆出线	黄、绿、红、黑

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10KV配变低压90"铜排出线防护盒				变压器接线端子	黄、绿、红、黑
10KV配变水平进出线防护盒				变压器接线端子	黄、绿、红、黑
10KV配变水平进出线防护盒				变压器接线端子	黄、绿、红
10KV配变低压水平双出线防护盒				水平四出线	黄、绿、红、黑