

宁波东昊电力科技股份有限公司

Ningbo Tonyhoo Electrical
Technology Co., Ltd.

宁波东烁新材料科技有限公司

Ningbo Tonymlum New Material
Technology Co.,Ltd

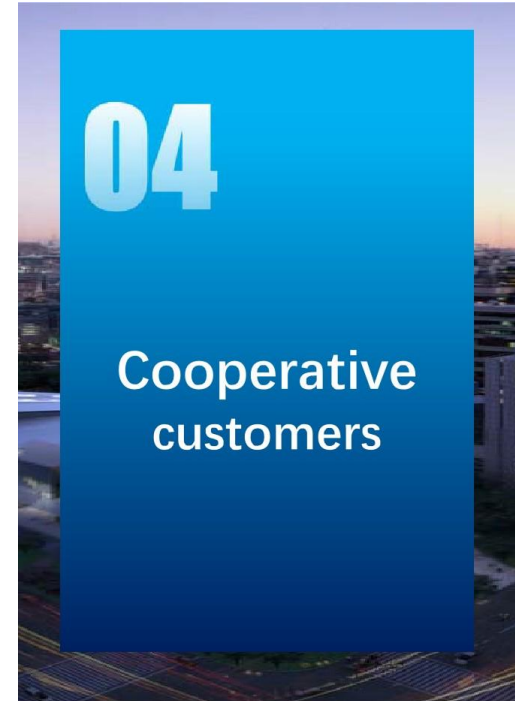
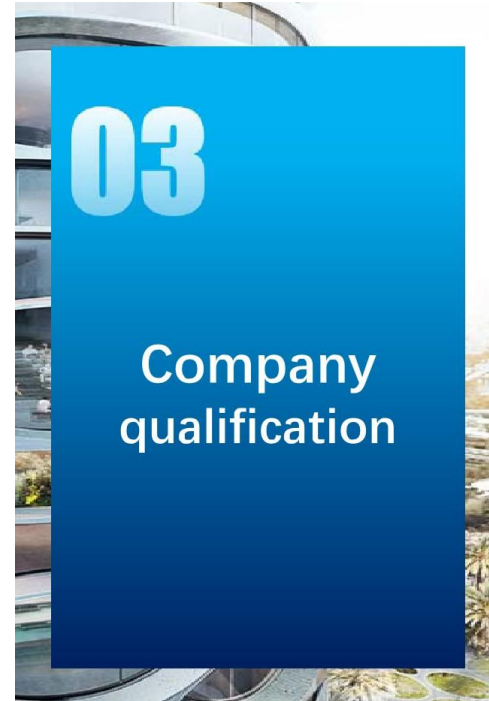
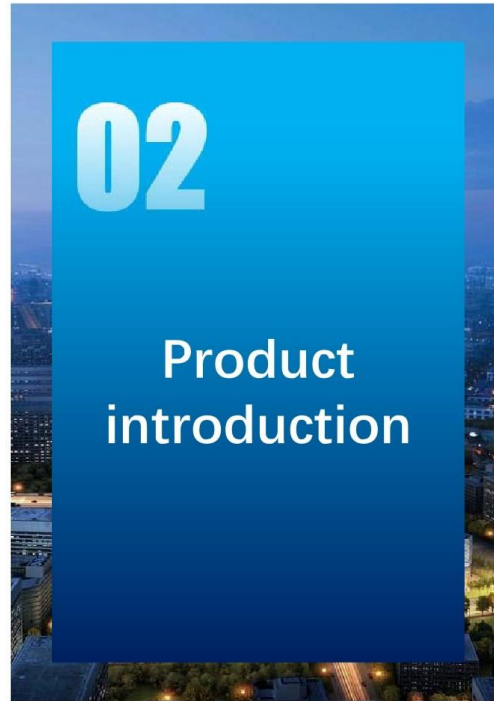
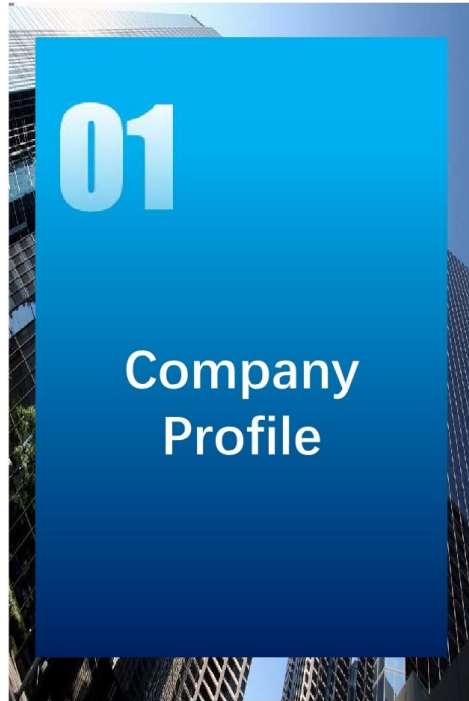
宁波东致杰电力科技有限公司

Ningbo Crevence Electric
Technology Co.,Ltd.

TONYHCO®



CONTENT



PART 01

Company Profile



Company Profile

Ningbo Tonyhoo Electrical Technology Co., Ltd. (Hereinafter referred to as "Tonyhoo"), founded in 1997, is a national high-tech enterprise, a member of CLP, a member of Ningbo Science and Technology Association, a director of the Association of Science and Technology Innovation, and in January 2018, it was listed on the New Third Board. At present, Tonyhoo has been included in various national, provincial and municipal cultivation programs such as "Specialized, Specialized, Specialized and New", "Made in Zhejiang" and "Singles Champion".Ltd.,

Ningbo Tonylum New Material Technology Co., Ltd. and Suzhou Six-dimensional Power Technology Co., Ltd. Tonyhoo has independent research and development capability, and owns independent material laboratory and inspection center. Tonyhoo has 12 trademark certificates and more than 60 patents. Our products are mainly categorized into medium and low voltage cable accessories, new environmentally friendly materials for electric power, and medium and high voltage explosion-proof protection related products. Tonyhoo's products have passed the testing of State Grid High Voltage Inspection Center, SGS or Shanghai Cable Research Institute, and obtained the corresponding reports. After 25 years of deep cultivation and accumulation in the industry, Tonyhoo has a certain degree of product competitiveness and brand awareness in the related electric power industry. Ningbo Creence Electric Technology Co., Ltd., founded in 2020, is located by the beautiful Dongqian Lake in Ningbo, Zhejiang Province. It has convenient transportation and beautiful scenery.

Ningbo Creence Electric Technology Co., Ltd. is a professional high-tech enterprise specializing in medium and low voltage power cable accessories and power equipment series products, with excellent hardware facilities and technical capabilities in research, development and manufacturing. Our main products include 35kV and below cold shrinkable cable accessories, European type and American type high-voltage cable connectors, explosion-proof housings and sealants. We are committed to providing complete solutions for the majority of customers. "Speciality achieves perfect" is our advantage, "customer first, service commitment" is our concept, "scientific and technological innovation, harmony and win-win" is our development.

We sincerely welcome the presence of our customers.



PART 02

Product Introduction



Product Catalog

ONE POWER CABLE ACCESSORIES AND PARTS RSY SERIES

TWO NEW MATERIAL GLUE-INJECTION KIT

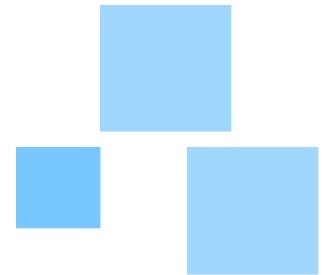
THREE EXPLOSION-PROOF SERIES PRODUCTS

FOUR HIGH PRESSURE SERIES PRODUCTS



ONE

**POWER CABLE ACCESSORIES AND
PARTS RSY SERIES**



COLD SHRINK POWER CABLE ACCESSORIES AND PARTS RSY SERIES

● SERIES PRODUCT INTRODUCTION

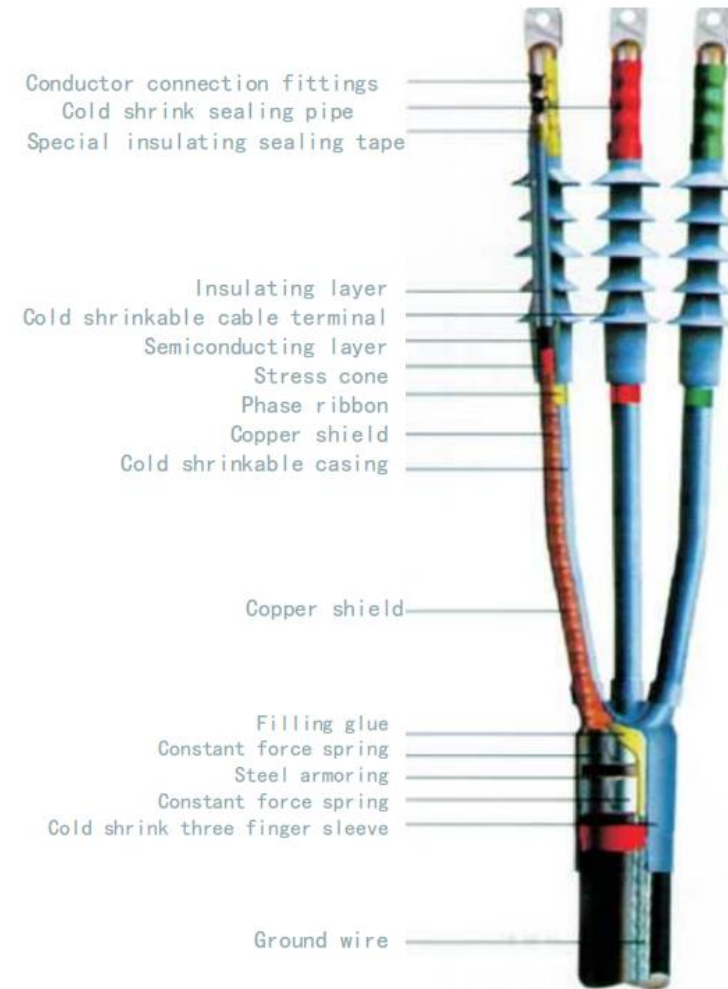
COLD-cable accessories, using the use of liquid silicone rubber vulcanization molding injection factory, then by extension, lined with plastic spiral support form the various cable attachment parts, on-site installation, the set of pre-defined expansion is processed at the end of the cable or connector service, taking the internal support plastic support bar, pressing into the cable insulation of cable attachments on the form. Because he is at room temperature by elastic recoil force, rather than shrink cable accessory to use heat shrink, so it is commonly known as shrink cable accessory. Main products series include: 0.6/1 kV self-reset shrink single core power cable accessories LSY1, 8.7/15kV self-reset shrink single core power cable accessories LSY10, 26/35kV self-reset shrink single core power cable accessories LSY35 three series of products.

● SERIES PRODUCT FEATURES

Full range of products of small size, convenient operation, quick, without special tools, suitable for the wide, product variations and more features.

SERIES PRODUCT APPLICATION FIELDS

Our products are widely used in power cable terminal and intermediate connection handle.



0.6/1kV COLD SHRINKABLE POWER CABLE ACCESSORIES

- Divided into single-core, two cores, three cores, four cores, five cores have been widely used for low voltage cable terminal processing and intermediate connection .
- Excellent surface hydrophobicity transference, so that the surface of the product to maintain the anti-filthy ability.
- Small size, light weight, reliable performance .
- Scope: The product has excellent cold and heat performance, especially suitable for high altitude and cold areas, wet areas, salt spray areas and in heavily contaminated areas Without fire, and the installation is especially suitable for the petroleum, chemical, mining, tunneling and other flammable places.

● TECHNICAL SPECIFICATIONS

Product Name	Model Specification	Suitable For Cable	Product Name	Model Specification	Suitable For Cable
0.6/1 kV Three core cold shrink terminal	DLZ-1/3.0	10-16	0.6/1 kV Three core cold shrink intermediate connection	DLJ-1/3.0	10-16
	DLZ-1/3.1	25-50		DLJ-1/3.1	25-50
	DLZ-1/3.2	70-120		DLJ-1/3.2	70-120
	DLZ-1/3.3	150-240		DLJ-1/3.3	150-240
	DLZ-1/3.4	300-400		DLJ-1/3.4	300-400
0.6/1 kV Four core cold shrink terminal	DLZ-1/4.0	10-16	0.6/1 kV Four core cold shrink intermediate connection	DLJ-1/4.0	10-16
	DLZ-1/4.1	25-50		DLJ-1/4.1	25-50
	DLZ-1/4.2	70-120		DLJ-1/4.2	70-120
	DLZ-1/4.3	150-240		DLJ-1/4.3	150-240
	DLZ-1/4.4	300-400		DLJ-1/4.4	300-400
0.6/1 kV Five core cold shrink terminal	DLZ-1/5.0	10-16	0.6/1 kV Five core cold shrink intermediate connection	DLJ-1/5.0	10-16
	DLZ-1/5.1	25-50		DLJ-1/5.1	25-50
	DLZ-1/5.2	70-120		DLJ-1/5.2	70-120
	DLZ-1/5.3	150-240		DLJ-1/5.3	150-240
	DLZ-1/5.4	300-400		DLJ-1/5.4	300-400

● MAIN PILOT PROJECTS

Nnumber	Pilot project	Standard requirements
1	Power frequency voltage test	8kV, 5minNo breakdown
2	Constant pressure load cycle (in air)	Conduct 3 cycles at 1.5kV voltage and conductor temperature of 95-100°C, No breakdown, No flashover
3	Power frequency voltage test	7.2kV, 4hNo breakdown



8.7/15kV COLD SHRINKABLE POWER CABLE ACCESSORIES

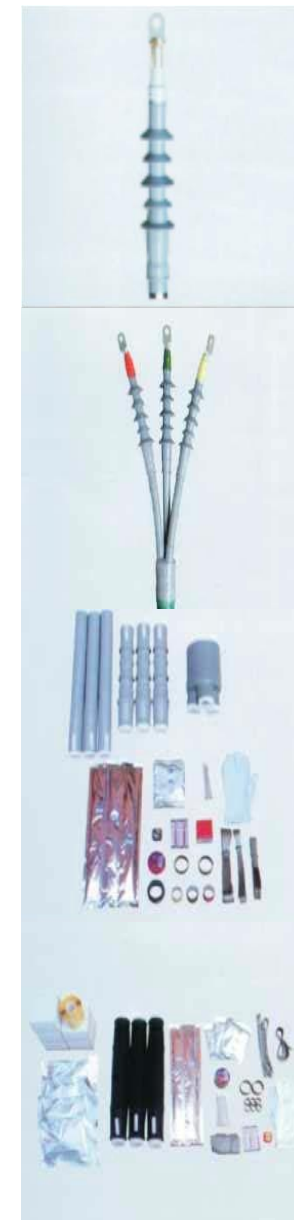
- Divided into single-core, three cores have been widely used for 8.5/15kV voltage cable terminal processing and intermediate connection.
- Maintain a constant tight package breathing the same air and cable, ensure that the excellent characteristics of the interface.
- Advanced production technology, the curing of vacuum pressure injection molding. Internal structure is perfect, no defects, 21kV following Board put in less than 1pc(8.7/15kV products).
- Scope: Suitable for high altitude and cold areas, wet areas, salt spray areas and in heavily contaminated areas. Without fire, and the installation is especially suitable for the petroleum, chemical, mining, tunneling and other flammable places.

● TECHNICAL SPECIFICATIONS

Product Name	Model Specification	Suitable For Cable	Product Name	Model Specification	Suitable For Cable
8.7/15kV Three core cold shrink indoor terminal	NLS-10/3.1	25-50	8.7/15kV Single core cold shrink indoor terminal	NLS-10/1.1	25-50
	NLS-10/3.2	70-120		NLS-10/1.2	70-120
	NLS-10/3.3	150-240		NLS-10/1.3	150-240
	NLS-10/3.4	300-400		NLS-10/1.4	300-400
	NLS-10/3.5	500-630		NLS-10/1.5	500-630
8.7/15kV Three core cold shrinkable outdoor terminal	WLS-10/3.1	25-50	8.7/15kV Single core cold shrinkable outdoor terminal	WLS-10/1.1	25-50
	WLS-10/3.2	70-120		WLS-10/1.2	70-120
	WLS-10/3.3	150-240		WLS-10/1.3	150-240
	WLS-10/3.4	300-400		WLS-10/1.4	300-400
	WLS-10/3.5	500-630		WLS-10/1.5	500-630
8.7/15kV Three core cold shrink intermediate connection	JLS-10/3.1	25-50	8.7/15kV Single core cold shrink intermediate connection	JLS-10/1.1	25-50
	JLS-10/3.2	70-120		JLS-10/1.2	70-120
	JLS-10/3.3	150-240		JLS-10/1.3	150-240
	JLS-10/3.4	300-400		JLS-10/1.4	300-400
	JLS-10/3.5	500-630		JLS-10/1.5	500-630

MAIN PILOT PROJECTS

Nnumber	Pilot project	Standard requirements
1	Power frequency withstand voltage	39kV, 5min No breakdown
2	partial discharge	1.5kV, Discharge capacity ≤ 10pc
3	impulse voltage	95kV, 10 times for positive and negative polarity respectively, No breakdown
4	Constant pressure load cycle (in air)	60 cycles at 23kV voltage and conductor temperature of 95-100 °C No breakdown, No flashover
5	Thermal stability test	23.4kA, 2s, twice, No visible damage
6	Dynamic stability test	82.6kA, Not less than 10ms, No visible damage
7	Humidity test (indoor)	11kV, 300h, No breakdown, No flashover
8	Salt spray experiment (outdoor)	11kV, 1000h, No breakdown, No flashover



12/20kV、18/20kV COLD SHRINKABLE POWER CABLE ACCESSORIES

- Divided into single-core three cores have been widely used for 12/20kV、18/20kV voltage cable terminal processing and intermediate connection.
- Easy to install, reliable, no open flame suitable for petrochemical, coal and other riot situations.
- Conductive adhesive and insulating plastic goods into the liquid silicon rubber production, product expansion shelf life of up to 24 months.
- Scope: The product has excellent cold and heat performance., especially suitable for high altitude and cold areas, wet areas, salt spray areas and in heavily contaminated areas. Without tire, and the installation is especially suitable for the petroleum, chemical, mining, tunneling and other flammable places.

● TECHNICAL SPECIFICATIONS

Product Name	Model Specification	Suitable For Cable	Product Name	Model Specification	Suitable For Cable
12/20kV Three core cold shrink indoor terminal	NLS-20/3.1	35-70	12/20kV Single core cold shrink indoor terminal	NLS-20/1.1	25-50
	NLS-20/3.2	95-185		NLS-20/1.2	70-150
	NLS-20/3.3	240-400		NLS-20/1.3	185-400
12/20kV Three core cold shrinkable outdoor terminal	WLS-20/3.1	35-40	12/20kV Single core cold shrinkable outdoor terminal	WLS-20/1.1	25-50
	WLS-20/3.2	95-185		WLS-20/1.2	70-150
	WLS-20/3.3	240-400		WLS-20/1.3	185-400
12/20kV Three core cold shrink intermediate connection	JLS-20/3.1	35-70	12/20kV Single core cold shrink intermediate connection	JLS-20/1.1	25-50
	JLS-20/3.2	95-185		JLS-20/1.2	70-150
	JLS-20/3.3	240-400		JLS-20/1.3	185-400

● MAIN PILOT PROJECTS

Nnumber	Pilot project	Standard requirements
1	Power frequency withstand voltage	54kV, 5min No breakdown
2	partial discharge	20kV, Discharge capacity≤10pc
3	impulse voltage	125kV, 10 times for positive and negative polarity respectively, No breakdown
4	Constant pressure load cycle (in air)	60 cycles at 35kV voltage and conductor temperature of 95-100 °C No breakdown, No flashover
5	Thermal stability test	23.4kA, 2s, twice, No visible damage
6	Dynamic stability test	82.6kA, Not less than 10ms, No visible damage
7	Humidity test (indoor)	15kV, 300h, No breakdown, No flashover
8	Salt spray experiment (outdoor)	15kV, 1000h, No breakdown, No flashover



26/35kV COLD SHRINKABLE POWER CABLE ACCESSORIES

- Divided into single-core, three cores, have been widely used for 26/35kV voltage cable terminal processing and intermediate connection.
- Long life in the sun for 10 years, fundamental changes of material properties.
- Product structure using specialized software to calculate the electric field segments, and give full consideration to the cable attachment in the practical application of the various factors change (such as stress cone deformation, interface characteristics change), after repeated optimization of the design of advanced electric field distribution is more reasonable product safety higher .
- Conductive adhesive and insulating plastic goods into the liquid silicon rubber production, product expansion shelf life of up to 24 months.Scope: Suitable for high altitude and cold areas, wet areas, salt spray areas and in heavily contaminated areas. Without fire, and the installation is especially suitable for the petroleum, chemical, mining, tunneling and other flammable places .

● TECHNICAL SPECIFICATIONS

Product Name	Model Specification	Suitable For Cable	Product Name	Model Specification	Suitable For Cable
26/35kV Three core cold shrink indoor terminal	NLS-35/3.1	50-95	26/35kV Single core cold shrink indoor terminal	NLS-35/1.1	50-95
	NLS-35/3.2	120-240		NLS-35/1.2	120-240
	NLS-35/3.3	300-400		NLS-35/1.3	300-400
	NLS-35/3.4	500-630		NLS-35/1.4	500-630
26/35kV Three core cold shrinkable outdoor terminal	WLS-35/3.1	50-95	26/35kV Single core cold shrinkable outdoor terminal	WLS-35/1.1	50-95
	WLS-35/3.2	120-240		WLS-35/1.2	120-240
	WLS-35/3.3	300-400		WLS-35/1.3	300-400
	WLS-35/3.4	500-630		WLS-35/1.4	500-630
26/35kV Three core cold shrink intermediate connection	JLS-35/3.1	50-95	26/35kV Single core cold shrink intermediate connection	JLS-35/1.1	50-95
	JLS-35/3.2	120-240		JLS-35/1.2	120-240
	JLS-35/3.3	300-400		JLS-35/1.3	300-400
	JLS-35/3.4	500-630		JLS-35/1.4	500-630

● MAIN PILOT PROJECTS

Nnumber	Pilot project	Standard requirements
1	Power frequency withstand voltage	117kV, 5min No breakdown
2	DC withstand voltage	104kV, 5min No breakdown
3	partial discharge	45kV, Discharge capacity≤10pc
4	impulse voltage	200kV, 10 times for positive and negative polarity respectively, No breakdown
5	Constant pressure load cycle (in air)	30 cycles at 65kV voltage and conductor temperature of 95-100 °C No breakdown, No flashover
6	Humidity test (indoor)	32.5kV, 300h, No breakdown, No flashover
7	Salt spray experiment (outdoor)	32.5kV, 1000h, No breakdown, No flashover



HEAT SHRINK POWER CABLE ACCESSORIES AND PARTS RSY SERIES

- SERIES PRODUCTINTRODUCTION

All series of producis have passed the authorty inspection, product performance have reached the advanced standards of international companies, the products are exported to Europe and he United States and other developed countries, the main product series minute: 0,6/1kv PVC power cable accessories SY1,8.7/5kv heat shrinkable power cable accessories SY10,26/35kv heat shrinkable power cable acessories SY35,heat shink electical cable cap, heat shrink electrical cable umbrella skirt, heat shrink electrical cable insulation protection suite, hood Party conaress series.

- SERIES PRODUCT FEATURES

All series of products, simple structure, easy installation, low cost, reliable operation and so on.

- SERIES PRODUCTAPPLICATION FIELDS

Our products are widely used in power cable terminal and intermediate connection handle.



0.6/1kV HEAT SHRINKABLE POWER CABLE ACCESSORIES

● PROPERTIES

Serial Number	Test Item	Standard requirements
1	Power frequency withstand voltage test (wet state)	4kv, 1min, under the combined sample did not wet flashover and breakdown
2	Constant voltage load cycle (in the air)	1.5 KV voltage and conductor temperature 95-100°C, a total of 3 cycles are performed, no breakdown, no flashover
3	Power frequency withstand voltage test	2.4kv, 4h, mix the sample without flashover and breakdown



● TECHNICAL SPECIFICATIONS

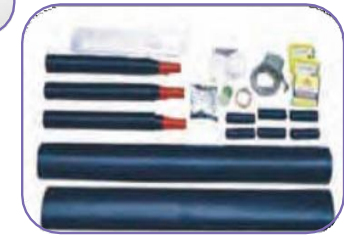
Specification	Product	Suitable For Cable
SY-1/1x0	1KV SINGLE CORE HEAT-SHRINKABLE TERMINATIONS	10-16
SY-1/1x1		25-50
SY-1/1x2		70-120
SY-1/1x3		150-240
SY-1/1x4		300-400
SY-1/2x0	1KV TWO CORE HEAT-SHRINKABLE TERMINATIONS	10-16
SY-1/2x1		25-50
SY-1/2x2		70-120
SY-1/2x3		150-240
SY-1/2x4		300-400
SY-1/3x0	1KV THREE CORE HEAT-SHRINKABLE TERMINATIONS	10-16
SY-1/3x1		25-50
SY-1/3x2		70-120
SY-1/3x3		150-240
SY-1/3x4		300-400
SY-1/4x0	1KV FOUR CORE HEAT-SHRINKABLE TERMINATIONS	10-16
SY-1/4x1		25-50
SY-1/4x2		70-120
SY-1/4x3		150-240
SY-1/4x4		300-400
SY-1/5x0	1KV FIVE CORE HEAT-SHRINKABLE TERMINATIONS	10-16
SY-1/5x1		25-50
SY-1/5x2		70-120
SY-1/5x3		150-240
SY-1/5x4		300-400

Specification	Product	Suitable For Cable
JSY-1/1x0	1KV SINGLE CORE HEAT-SHRINKABLE INTERMEDIATE CONNECTIONS	10-16
JSY-1/1x1		25-50
JSY-1/1x2		70-120
JSY-1/1x3		150-240
JSY-1/1x4		300-400
JSY-1/2x0	1KV TWO CORE HEAT-SHRINKABLE INTERMEDIATE CONNECTIONS	10-16
JSY-1/2x1		25-50
JSY-1/2x2		70-120
JSY-1/2x3		150-240
JSY-1/2x4		300-400
JSY-1/3x0	1KV THREE CORE HEAT-SHRINKABLE INTERMEDIATE CONNECTIONS	10-16
JSY-1/3x1		25-50
JSY-1/3x2		70-120
JSY-1/3x3		150-240
JSY-1/3x4		300-400
JSY-1/4x0	1KV FOUR CORE HEAT-SHRINKABLE INTERMEDIATE CONNECTIONS	10-16
JSY-1/4x1		25-50
JSY-1/4x2		70-120
JSY-1/4x3		150-240
JSY-1/4x4		300-400
JSY-1/5x0	1KV FIVE CORE HEAT-SHRINKABLE INTERMEDIATE CONNECTIONS	10-16
JSY-1/5x1		25-50
JSY-1/5x2		70-120
JSY-1/5x3		150-240
JSY-1/5x4		300-400

8.7/15kV HEAT SHRINKABLE POWER CABLE ACCESSORIES

● PROPERTIES

Serial Nnumber	Test Item	Standard requirements
1	Power frequency withstand voltage test (wet state)	45KV, 1min, no breakdown,no flashover
2	Partial discharge	Discharge is not greater than 20pc at 13KV
3	Impulse voltage	105KV, 10 times each for positive and negative palarity
4	Constant voltage load cycle (in the air)	22KV heated to 95-100°C, a total of 3 cycles are performed, no breakdown,no flashover
5	Power frequency withstand voltage test	25KV, 15min, no breakdown,no flashover
6	Humidity(indoor)	10KV, 100h, no breakdown,no flashover
7	Salt spray(outdoor)	10KV, 1000h, no breakdown,no flashover



● TECHNICAL SPECIFICATIONS

Specification	Product	Suitable For Cable
NSY-10/1x1	3.6/6-8.7/15KV SINGLE- CORE XLPE CABLE HEAT-SHRINKABKLE INDOOR TERMINATION	25-50
NSY-10/1x2		70-120
NSY-10/1x3		150-240
NSY-10/1x4		300-400
NSY-10/3x1	3.6/6-8.7/15KV THREE- CORE XLPE CABLE HEAT-SHRINKABKLE INDOOR TERMINATION	25-50
NSY-10/3x2		70-120
NSY-10/3x3		150-240
NSY-10/3x4		300-400
WSY-10/1x1	3.6/6-8.7/15KV SINGLE- CORE XLPE CABLE HEAT-SHRINKABKLE OUTDOOR TERMINATION	25-50
WSY-10/1x2		70-120
WSY-10/1x3		150-240
WSY-10/1x4		300-400
WSY-10/3x1	3.6/6-8.7/15KV THREE- CORE XLPE CABLE HEAT-SHRINKABKLE OUTDOOR TERMINATION	25-50
WSY-10/3x2		70-120
WSY-10/3x3		150-240
WSY-10/3x4		300-400
JSY-10/1x1	3.6/6-8.7/15KV SINGLE- CORE XLPE CABLE HEAT-SHRINKABKLE INTERMEDIATE CONNECTIONS	25-50
JSY-10/1x2		70-120
JSY-10/1x3		150-240
JSY-10/1x4		300-400
JSY-10/3x1	3.6/6-8.7/15KV THREE- CORE XLPE CABLE HEAT-SHRINKABKLE INTERMEDIATE CONNECTIONS	25-50
JSY-10/3x2		70-120
JSY-10/3x3		150-240
JSY-10/3x4		300-400

Specification	Product	Suitable For Cable
NSZ-10/1x1	3.6/6-8.7/15KV SINGLE CORE CROSS-LINKED-OIL IMMERSDCABLE HEAT-SHRINKABKLE INDOOR TERMINATION	25-50
NSZ-10/1x2		70-120
NSZ-10/1x3		150-240
NSZ-10/1x4		300-400
NSZ-10/3x1	3.6/6-8.7/15KV THREE CORE CROSS-LINKED-OIL IMMERSDCABLE HEAT-SHRINKABKLE INDOOR TERMINATION	25-50
NSZ-10/3x2		70-120
NSZ-10/3x3		150-240
NSZ-10/3x4		300-400
WSZ-10/1x1	3.6/6-8.7/15KV SINGLE CORE CROSS-LINKED-OIL IMMERSDCABLE HEAT-SHRINKABKLE OUTDOOR TERMINATION	25-50
WSZ-10/1x2		70-120
WSZ-10/1x3		150-240
WSZ-10/1x4		300-400
WSZ-10/3x1	3.6/6-8.7/15KV THREE CORE CROSS-LINKED-OIL IMMERSDCABLE HEAT-SHRINKABKLE OUTDOOR TERMINATION	25-50
WSZ-10/3x2		70-120
WSZ-10/3x3		150-240
WSZ-10/3x4		300-400
JSZ-10/1x1	3.6/6-8.7/15KV SINGLE CORE CROSS-LINKED-OIL IMMERSDCABLE INTERMEDIATE CONNECTIONS	25-50
JSZ-10/1x2		70-120
JSZ-10/1x3		150-240
JSZ-10/1x4		300-400
JSZ-10/3x1	3.6/6-8.7/15KV THREE CORE CROSS-LINKED-OIL IMMERSDCABLE INTERMEDIATE CONNECTIONS	25-50
JSZ-10/3x2		70-120
JSZ-10/3x3		150-240
JSZ-10/3x4		300-400

26/35kV HEAT SHRINKABLE POWER CABLE ACCESSORIES

● PROPERTIES

Serial Number	Test Item	Standard requirements
1	Power frequency withstand voltage test (wet state)	105KV, 1min, no breakdown,no flashover
2	Partial discharge	Discharge is not greater than 10pc at 39KV
3	Impulse voltage	250KV, 10 times each for positive and negative polarity
4	Constant voltage load cycle (in the air)	65KV heated to 95-100°C, a total of 3 cycles are performed, no breakdown,no flashover
5	Power frequency withstand voltage test	65KV, 15min, no breakdown,no flashover
6	Humidity(indoor)	30KV, 100h, no breakdown,no flashover
7	Salt spray(outdoor)	30KV, 1000h, no breakdown,no flashover



● TECHNICAL SPECIFICATIONS

Specification	Product	Suitable For Cable
NSY-35/1x1	SINGLE-CORE XLPE CABLE HEAT-SHRINKABLE INDOOR TERMINATION	50-120
NSY-35/1x2		150-240
NSY-35/1x3		300-500
NSY-35/3x1	THREE-CORE XLPE CABLE HEAT-SHRINKABLE INDOOR TERMINATION	50-120
NSY-35/3x2		150-240
NSY-35/3x3		300-500
WSY-35/1x1	SINGLE-CORE XLPE CABLE HEAT-SHRINKABLE OUTDOOR TERMINATION	50-120
WSY-35/1x2		150-240
WSY-35/1x3		300-500
WSY-35/3x1	THREE-CORE XLPE CABLE HEAT-SHRINKABLE OUTDOOR TERMINATION	50-120
WSY-35/3x2		150-240
WSY-35/3x3		300-500

Specification	Product	Suitable For Cable
NSZ-10/1x1	SINGLE CORE CROSS-LINKED-OIL IMMERSED CABLE HEAT- SHRINKABLE INDOOR TERMINATION	25-50
NSZ-10/1x2		70-120
NSZ-10/1x3		150-240
NSZ-10/1x4		300-400
NSZ-10/3x1	THREE CORE CROSS-LINKED-OIL IMMERSED CABLE HEAT- SHRINKABLE INDOOR TERMINATION	25-50
NSZ-10/3x2		70-120
NSZ-10/3x3		150-240
NSZ-10/3x4		300-400
WSZ-10/1x1	SINGLE CORE CROSS-LINKED-OIL IMMERSED CABLE HEAT- SHRINKABLE OUTDOOR TERMINATION	25-50
WSZ-10/1x2		70-120
WSZ-10/1x3		150-240
WSZ-10/1x4		300-400
WSZ-10/3x1	THREE CORE CROSS-LINKED-OIL IMMERSED CABLE HEAT- SHRINKABLE OUTDOOR TERMINATION	25-50
WSZ-10/3x2		70-120
WSZ-10/3x3		150-240
WSZ-10/3x4		300-400

HEAT SHRINK CABLE ENDCAP

- Products using polyolefin blend made of composite materials, radiation cross-linking or chemical cross-linking process request is made; Half import class CAP and insulation class Cap different, for the customers.
- Product color: black, special colors can be customized according to customer-provided colors.
- Products are mainly used in wire and cable sealing ends, commonly known as cable cap, in addition to the valve, commonly known as the inflation Cap. To compressive 10KG pressure.

● TECHNICAL SPECIFICATIONS

Product Code(mm)	ID Of Before Shrink(mm)	ID Of After Shrink(mm)
RSM-20/8	≥20	≤8
RSM-40/20	≥40	≤20
RSM-55/25	≥55	≤25
RSM-75/30	≥75	≤30
RSM-100/45	≥100	≤45
RSM-120/65	≥120	≤65
RSM-140/65	≥140	≤65



HEAT SHRINKABLE CREEPAGE EXTENSION & STRAIN RELIEF SHEI

- Products using such a mixture of polyolefin composite material, radiation crosslinking process requirement, produced by, ½ guide class sealing cap and insulation class.
- Product available color: black, red, special colors can be clients according to custom color swatches.
- The product is mainly used for electric wire and cable terminal part rainproof, commonly known as cable rain skirt.



HEAT SHRINKABLE ANTI-BREAKOUT

- TECHNICAL SPECIFICATIONS

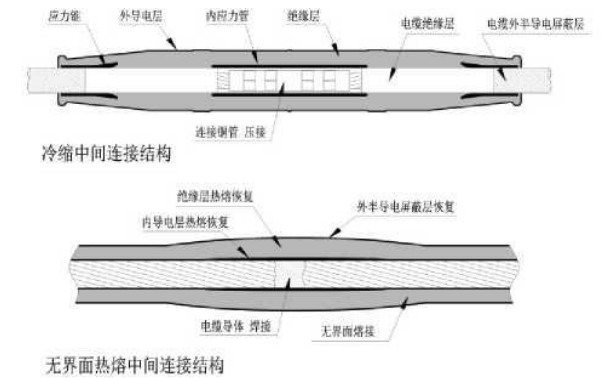


Number Of Cores	Specifications/Model	Before Shrink						After Shrink					
		Big Finger			Small Finger			Big Finger			Small Finger		
		Bore	Thickness	Length	Bore	Thickness	Length	Bore	Thickness	Length	Bore	Thickness	Length
TWO CORES	0# (10-16mm ²)	33	2	60	10	1	30	12	2.3	70	3.4	1.8	30
	1# (25-50mm ²)	48	2	70	15	1.5	35	19	2.5	80	5.5	1.7	35
	2# (70-120mm ²)	65	2.2	80	20	1.5	40	23	2.8	90	8.8	1.7	40
	3# (150-240mm ²)	98	2.2	95	38	1.5	50	43	2.8	110	14.2	2.2	50
THREE CORES	00# (10-16mm ²)	34	2.2	90	15	1.5	50	20	2.5	100	5.5	2	50
	0# (10-16mm ²)	50	2.3	110	25	1.5	50	26	3.5	125	6.9	3	50
	1# (25-50mm ²)	70	2.5	120	32	2	75	32	3.6	135	8.5	3	75
	2# (70-120mm ²)	86	2.8	120	40	2	75	45	3.4	135	14	2.8	75
	3# (150-240mm ²)	102	2.8	125	50	2	75	60.5	3.3	134	18.5	2.8	75
	4# (300-400mm ²)	122	3.3	135	62	2.5	75	70	4.3	138	24	4	75
FOUR CORES	0# (10-16mm ²)	37	2	90	15	1.5	40	20	3.4	110	4.2	1.8	40
	1# (25-50mm ²)	53	2	90	20	1.5	50	25	3.1	110	5	2.5	50
	2# (70-120mm ²)	70	2.1	105	24	1.6	65	31.5	3.1	120	8	2.5	65
	3# (150-240mm ²)	86	2.3	125	34	1.8	75	40.2	3.2	135	11	2.6	75
FIVE CORES	1# (25-50mm ²)	46	2	90	14	1	80	22.5	2.1	100	5.2	1.8	80
	2# (70-120mm ²)	78	2	120	25	1.5	85	39	3	130	9	2.7	85
	3# (150-240mm ²)	100	2	115	36	2	75	46	2.8	130	11	2.8	75

MEL TED STRAIGHT JOINT CMMJ

At present, the intermediate connection of cables generally adopts three methods of heat shrinkage, cold shrinkage and prefabrication, all of which are stress cones or stress tubes to control the distribution of scattered electric fields, so as to achieve reliable operation of power performance. These conventional treatment methods are not consistent with the insulation materials of cable body due to the tension increase of cable joints, and there is a movable interface between the two, which may cause the cable insulation to shrink or lead to the displacement of the main body of cable joints. As stress cone or stress tube is widely used in cable accessories, its electric field distribution is not consistent with that of the cable itself; Under the action of electric field and thermal field, micro air gap and impurity polarization are very easy to occur at the interface, resulting in partial discharge.

Hot melt cable joint adopts equal diameter welding for cable conductor, and the inner and outer conductive shielding layers and insulating layers are restored according to the original cable structure. It restores the cable to the original structure state by gradually restoring the cable structure. In practical application, the safety and reliability of the cable is far superior to the installed cable accessories. Restoring the structure of the cable body makes the electric field distribution more stable and uniform, so that it has higher electrical safety reliability and extremely long service life.



Electric field intensity distribution diagram current of letdown CMMJ and cable body



CMMJ and cable body equipotential line distribution diagram

MEL TED STRAIGHT JOINT CMMJ

The main construction procedures of this intermediate connection mode are: welding of wire core conductor, grinding of wire core, hot melt recovery of inner semiconducting layer, hot melt recovery of main insulating layer, grinding of main insulating layer, recovery of outer semiconducting layer, recovery of copper shielding layer and sheath layer, etc.



● Effect of cable conductor after welding and grinding

The conductor is connected by exothermic welding technology, which has the advantage that the current carrying capacity of the fusion welding point is consistent with the original conductor core and has good conductivity. The tensile strength of the welding joint is more than 85% of the body, which has stronger current carrying capacity, lower resistance and better mechanical strength than the traditional copper connection pipe crimping method of cable accessories.



● Effect of hot melt recovery of cable insulation

The hot melt recovery of the main insulation layer uses the same XLPE material for high-voltage cables as the cable insulation layer material. The new material and the insulation layer of the original cable are cross-linked and fused into a whole through the hot melt method to ensure that the recovered insulation layer and the cable insulation layer are consistent in material, characteristics and structure.



● Restore the effect of outer semi conductive shielding layer

The cable intermediate connection made according to this technology realizes the electric field distribution consistent with the original cable, continuous and equivalent matching.



● Effect after three core cable repair

The structure of the cable body is completely restored, which is approximately equal to the diameter of the cable body. Seamless welding technology is adopted by Yuqian, which has excellent waterproof performance.

TEST ITEM	VOLTAGE GRADE		
	8.7/15kV	12/20kV	26/35kV
Power frequency withstand voltage	42kV, 5min	54kV, 5min	117kV, 5min
DC withstand voltage	35kV, 15min	48kV, 15min	104kV, 15min
partial discharge	15kV≤10pc	20kV≤10pc	45kV≤10pc
impulse voltage	95kV, 10 times for positive and negative polarity respectively	125kV, 10 times for positive and negative polarity respectively	200kV, 10 times for positive and negative polarity respectively



MOLDED RUBBER PRODUCTS

EUROPEAN STYLE CABLE BRANCH CONNECTOR

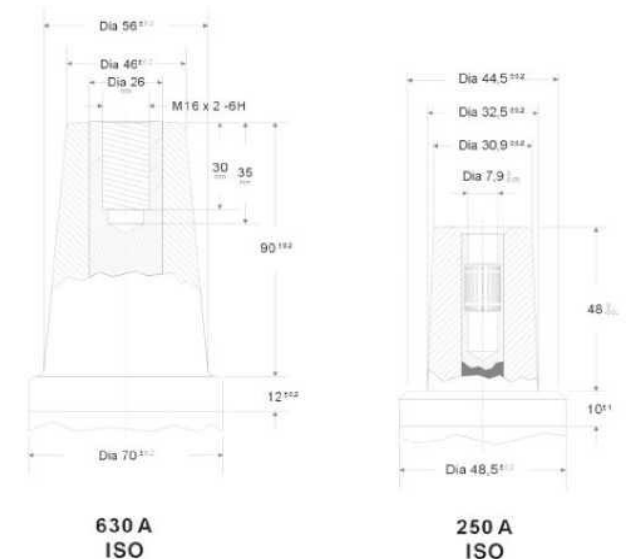
- European cable branch connector points before the connector after the connector, the former the arrester, followed by the arrester, the type of T -type lightning arrester. Selection made of high quality SIR, sealing insulation products are widely used in outdoor distribution transformer box changes, ring net cabinet, cable branch box, buried transformers and other electrical equipment connection, little indicator installed on the test point, and also installation of the cable fault indicator on the cable can be quickly and accurately find the point of failure .

● EXECUTIVE STANDARD

- EN50181-1997 Plug in bushings 1kV to 36kV and 250A to 1.25kA for equipment excluding liquid filled transformers
- DIN47636 Power cable socket assembly for external cone socket connector
- IEC60502 Rated voltage 1kV ($U_m=1.2kV$)~30kV ($U_n=36kV$) Extruded insulated power cables and accessories
- IEC61442 Rated voltage 6kV ($U_m=7.2kV$)~30kV ($U_n=36kV$) Test methods for power cable accessories
- GB12706-2008 Rated voltage 1kV ($U_m=1.2kV$)~35kV ($U_n=40.5kV$) Extruded insulated power cables and accessories
- GB311.1-1997 Insulation coordination of high-voltage transmission and distribution equipment
- GB/T4109-1999 Technical requirements for high-voltage bushing
- GB11032-2000 AC gapless metal oxide uterine device

● PERFORMANCE

TEST ITEM	VOLTAGE GRADE	
	8.7/15kV	12/20kV
Power frequency withstand voltage	39kV, 5min	54kV, 5min
DC withstand voltage	35kV, 15 min	48kV, 15 min
partial discharge	15kV following , $\leq 10pc$	20kV following , $\leq 10pc$
impulse voltage	95kV, 10 times for positive and negative polarity respectively	125kV, 10 times for positive and negative polarity respectively



MOLDED RUBBER PRODUCTS

DQJ-15-630

DEADBREAK FRONT CONNECTORS

- 10kV Front connector, used in 10kV cable distribution box.,ring cabinet., inflatable cabinet and high voltage switchgear, installed directly on the equipment casing, as the inlet and outlet cable connection and sealing, for the whole insulation, sealed, fully shielded products.
- Products using the international advanced post-injection insulation technology, electrical performance to the international advanced level, the use of more secure, more reliable installation conditions are not affected by harsh environments, anti-condensation, anti-pollution, maintenance-free, product stress handling the introduction of german technology, product structure size is small, fully meet the requirements of the installation space, is the world's leading prefabricated cable head, applicable cable cross section 25-500mm².

DHJ-15-630

DEADBREAK BACK CONNECTORS

- 10kV Rear connector, applied to the 10kV cable distribution box, ring network cabinet, charging cabinet and high voltage switch cabinet, installation of multi loop outlet cable connection and sealing in the joint back to all the insulation, seal, shielding products.
- Products using the international advanced post-injection insulation technology, electrical performance to the international advanced level, the use of more secure, more reliable, installation conditions are not affected by harsh environments, anti-condensation, anti-pollution, maintenance-free, product stress handling the introduction of german technology, product structure size is small, fully meet the requirements of the installation space, is the world's leading prefabricated cable head, applicable cable cross section 25-500mm².



MOLDED RUBBER PRODUCTS

METAL OXIDE SURGE ARRESTER

- 10kV Rear connection arrester installed in the ring network cabinet, inflatable cabinet, distribution box and high voltage switchgear before and after the rear, can provide reliable overvoltage protection for electrical systems, the outer semiconducting layer of the shielded arrester, ensures the safety of the installation and maintenance personnel and the safe operation of the equipment, the unique performance of the waterproof and moisture- proof ensures the safe and reliable operation of the product in harsh environments.

● PERFORMANCE

TECHNICAL PARAMETER	HB-17/50	HB-17/45
Rated voltage	17kV	17kV
Continuous operation voltage	13.6kV	13.6kV
Nominal discharge current	5kA	5kA
DC 1mA reference voltage	≥25kV	≥24kV
Residual voltage under lightning impulse current	≤50kV	≤45kV
Residual voltage of switching impulse current	≤42.5kV	≤42.5kV
0.75U1mA Lower leakage current	≤20μA	≤20μA



MOLDED RUBBER PRODUCTS

ZJ-20-250

DEADBREAK ELBOW CONNECTORS

- 10kV 250A Elbow connector is fully insulated, fully sealed plug-in terminal cable connector widely used in outdoor with american box change, ring network cabinet, buried transformer and other electrical equipment connection, the product adopts high quality insulation rubber, suitable for cable section 25-120mm².

ZT-20-250

DEADBREAK STRAIGHT CONNECTORS

- 10kV 250A Stright connector is fully insulated, fully sealed plug-in terminal cable connector, widely used in outdoor with american box change, ring network cabinet, buried transformer and other electrical equipment connection, the product adopts high quality insulation rubber, suitable for cable section 25-120mm².



10kV 200A Rotatable Feedthru Insert

- **Application:**

- 10kV 200A Rotatable feedthru insert are bushing connected to achieve a single and dual conversion. One way with a single-pass casing connector has a similar function, the other way to connect the elbow arrester (to improve over-voltage protection). Products are mainly used for American box change, outdoor switchgear and other high-voltage electrical equipment, connected with the commonly used cable accessories are: elbow-type connector, elbow arrester and casing seat. Products using high-quality rubber insulation, double-pass casing within the advanced structural design to ensure that the elbow-type connector when the normal off the arc. The product's unique anti-reverse design ensures that the double-pass fitting is rotated to the appropriate mounting position and does not affect the connection performance.

- **Product Structure:**

- Semi-conductive layer: Prefabricated high-quality conductive rubber overlap with the cable screen layer, make the screen continuous, and make sure the outer semi-conductive layer in the earthing status.
- Insulation layer: unique formula and hybrid technology ensure the high quality of prefabrication insulating rubber.
- Earthing eye: pre-injection to the outer screen used for earthing wire connection.
- Threaded base: 3/8 "-16 thread can ensure bushing well securely attached to bushing insert.
- Arcing chamber: effectively eliminate the electric arc, ensure the safe operation of the equipment.
- Torque limiter : according to the installation requirements, can 360° adjust bilateral direction.
- Copper conductor: have good conductive performance.



10kV 200A Bushing Insert

- **Application:**

10kV 200A Bushing insert work with bushing well, can provide the same function as integrated bushing connector. If work with elbow cable connector, it is the most basic part in pluggable connection system. Mainly used for high voltage electrical connection of American pad-mound transformer, outdoor switch cabinet, etc. Bushing insert matched with bushing well, can make installation and replacement is more flexible. The hex socket of bushing insert makes the installation more convenient, use with the installation tools, can install the bushing close to the bushing well and avoid any potential damage. Adopt high quality insulation rubber, advanced design can make sure normal arcing.

- **Product Structure:**

- Outer semi-conductive layer: Prefabricated high-quality conductive rubber overlap with the cable screen layer, make the screen continuous, and make sure the outer semi-conductive layer in the earthing status.
- Insulation layer: unique formula and hybrid technology ensure the high quality of prefabrication insulating rubber.
- Earthing eye: pre-injection to the outer screen used for earthing wire connection.
- Conductor : copper parts put the current connect from copper connector to the equipment.
- Threaded base: 3/8 "-16 thread can ensure bushing well securely attached to bushing insert.
- Arcing chamber: effectively eliminate the electric arc, ensure the safe operation of the equipment.



TWO

**NEW MATERIAL GLUE-
INJECTION KIT**



Environmentally friendly high-voltage cable sealant

Product overview

This product is a polyurethane two-component reactive sealant consisting of resin (A component) and curing agent (B component). After thoroughly mixing the sealant (tan curing agent and resin) during use, inject it from the injection port into the housing cavity and wait for it to fully cure.

The product does not contain solvents. It has the characteristics of minimal shrinkage, good permeation resistance, high volume resistivity, good insulation after curing. The product is constructed under room temperature and operated conveniently. It effectively combines waterproof property and insulation, and has become a special material for sealing, fireproofing and flame retardant of underground high-voltage cable joints.



Performance parameters

Model number	J-399	J-499	J-699
Base material	Two-component polyurethane		
Color	Resin		Curing agent
	Light yellow		Tan
Applicable voltage level	10kV-35kV	110kV-500kV	110kV-500kV
Hardness	55A ± 10	60A ± 10	60A ± 10
Density	1.55g/cm ³ ± 0.55	/	/
Gel time		75'/23℃	
Volume resistivity rate		>1 × 10 ¹¹ Ω cm	
Breakdown strength		>15 kV/mm	
Elongation at break		>50%	
Tensile strength	/	≥5 (N/mm ²)	≥5 (N/mm ²)
Thermal conductivity rate	/	>0.2 W/M.K	>0.2 W/M.K
Storage temperature	+5℃-35℃	/	/
Water absorption rate	<0.25	/	/
Flame retardant rating	/	/	V0



Environmentally friendly high-voltage cable sealant--aluminum foil packing

Product overview

This product is a polyurethane two-component reactive sealant consisting of resin (A component) and curing agent (B component). After thoroughly mixing the sealant (tan curing agent and resin) during use, inject it from the injection port into the housing cavity and wait for it to fully cure.

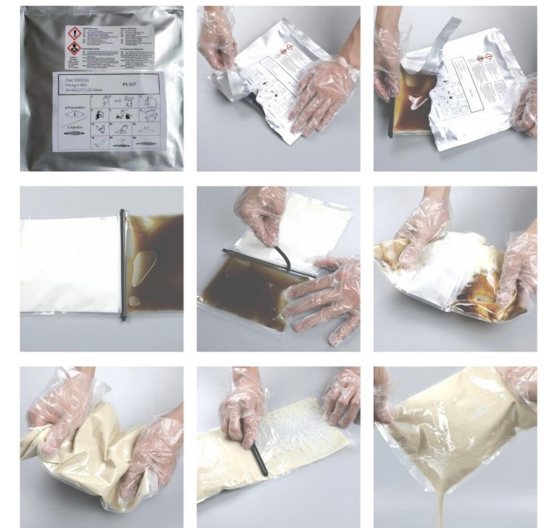
The product does not contain solvents. It has the characteristics of minimal shrinkage, good permeation resistance, high volume resistivity, good insulation after curing. The product is constructed under room temperature and operated conveniently. It effectively combines waterproof property and insulation, and has become a special material for sealing, fireproofing and flame retardant of underground high-voltage cable joints.

Notes

- Before mixing AB materials, it is strictly forbidden to contact water and ensure that the construction part is dry and clean
- People who are allergic to cyanic acid should pay attention to protection to avoid allergies.
- Waste disposal: Dispose of contents and containers in accordance with applicable laws and regulations and the product characteristics at the time of disposal.
- It is strictly forbidden to sun and rain. Scratching and puncture should be prevented.
- Keep packaging intact and store it in a ventilated, cool warehouse for no more than 2 years.

Performance parameters

Base material	Two-component polyurethane	
Color	Resin	Curing agent
	Light yellow	Tan
Hardness	60A ± 10	
Gel time	75'/23℃	
Volume resistivity rate	$>1 \times 10^{11} \Omega \text{ cm}$	
Breakdown strength	$>15 \text{ kV/mm}$	
Elongation at break	$>40\%$	
Storage temperature	$+5^{\circ}\text{C} \sim 35^{\circ}\text{C}$	
Package specification	0.1–4kg	
Quality guarantee period	24 months	



Glue-injected type cable plugging machine

Product overview

This product is a new product, which is different from inflatable and mechanical blocking devices. It mainly consists of an environmentally friendly polyurethane foam material with water as the foaming agent, two end water locking tablets, glue injection tools and other materials. The foam product prepared by it has uniform and delicate pores, good compression resistance, temperature resistance, acid and alkali resistance, flame retardant, long life and other advantages, which is suitable for the blocking and caulking of cable wall-through holes and all kinds of small holes. It plays a role of dust and smoke prevention, insect and pest prevention, fire prevention, waterproof sealing and other purposes.



Typical properties

- Good fluidity, uniform density distribution;
- Fine and uniform bubble holes, high closed cell ratio;
- High compression strength, good dimensional stability at high and low temperatures.

Performance parameters

Base material	Two-component polyurethane rigid foam		Non-stick time	540 "
Color	Resin	Curing agent	Free foaming density	159 kg/m ³
	Light yellow transparent sticky substance	Tan	Molded density	≥60kg/m ³
Thinness consistency	700±150	200±50	Closed cell ratio	≥99%
Ratio	100: 100		Thermal conductivity rate	≤24.0 mW/m.k
Gel time	10"		Compressive strength	≥400Kpa
Milky white time	120"		Dimensional stability	140℃, 72hr, 2%
Fiber time	420"			-30℃, 48hr, 0.5%

Instructions for use



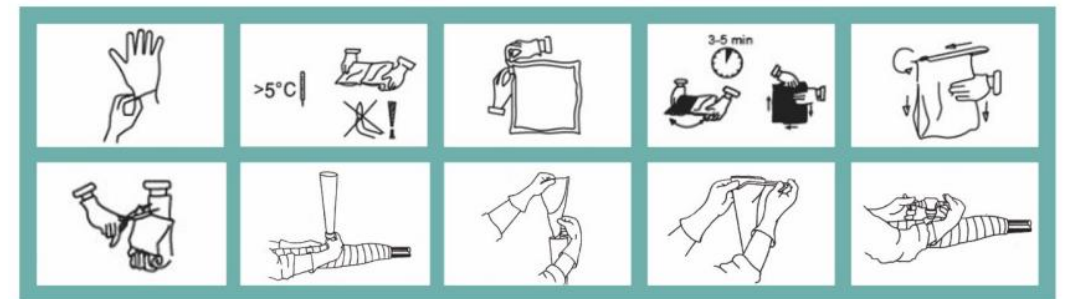
Glue-injected type intermediate connection protection kit

Product overview

Wrapping--glue-injected intermediate connection protection kit is composed of special strip material for cable accessories, casting resin, glue injection tools, etc., which is suitable for all polymer insulated cables.

Product features

- Not affected by cable structure or size, different cable cross- sections can be connected in different shapes;
- small volume, less insulation thickness, low temperature rise, low loss, fast heat dissipation;
- small volume, easy to transport and carry in mountain operation;
- High electrical performance, strong insulation, using special strip materials for high- end cable accessories;
- can be accomplished even in narrow spaces or protected areas;
- Double stress compensation technology, efficient evacuation of electric field, local discharge, voltage resistance and other electrical indicators are excellent;
- Adopt resin casting technology. waterproof and corrosion- resistant, acid and alkali resistant, and resistant to physical damage.
- The toughness resin developed by our company has permanent toughness, and will not decompose, crack or peel through long-term use. It has an excellent protection mode for high- performance cable head, to ensure the durable and stable operation of the system.



1kV glue-filled waterproof junction box-Straight through type

Straight-through glue-filled box and accessories

Glue-filled waterproof junction box: It consists of shell, sealant and accessories. When it is used, mix the sealant (tan curing agent and resin) sufficiently and inject it into the inner cavity of the shell from the glue injection port, and wait for it to fully cure.

This product has excellent dustproof, waterproof and insulating properties.

Performance parameters

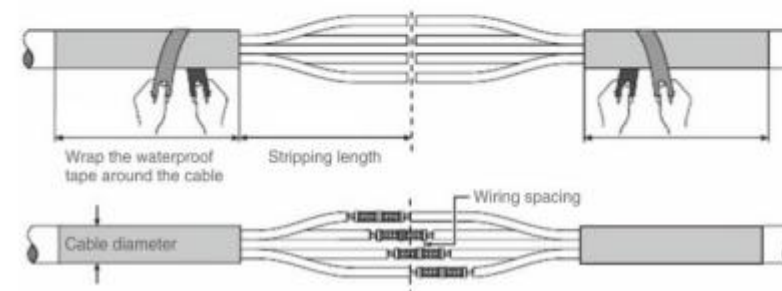
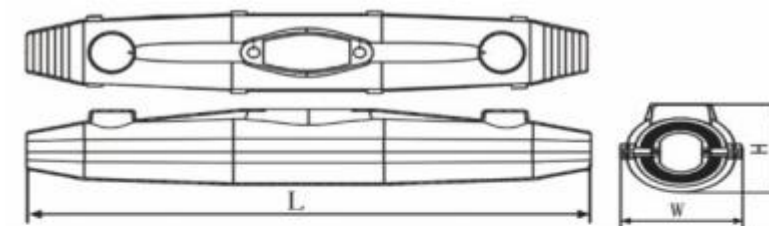
Base material	Two-component polyurethane	
Color	Resin	Curing agent
	Light yellow	Tan
Hardness	75A ± 5	
Gel time	43'/5℃ 15'/23℃ 8'/40℃	
Volume resistivity rate	$>1 \times 10^{11} \Omega \text{ cm}$	
Breakdown strength	$>15 \text{ kV/mm}$	
Elongation at break	$>35\%$	
Storage temperature	$+5^{\circ}\text{C} \sim 35^{\circ}\text{C}$	
Quality guarantee period	24 months	



Overall dimensions

Unit:mm

Product Model	Overall Dimension	Scope of Application
DS-JXHZT-1	150*35*31	Suitable for cable outer diameter $\Phi 1 \sim 17\text{mm}$
DS-JXHZT-2	185*40*45	Suitable for cable outer diameter $\Phi 8 \sim 26\text{mm}$
DS-JXHZT-3	270*55*55	Suitable for cable outer diameter $\Phi 14 \sim 32\text{mm}$
DS-JXHZT-4	355*65*60	Suitable for cable outer diameter $\Phi 23 \sim 39\text{mm}$
DS-JXHZT-5	400*90*75	Suitable for cable outer diameter $\Phi 28 \sim 50\text{mm}$
DS-JXHZT-6	515*120*125	Suitable for cable outer diameter $\Phi 35 \sim 65\text{mm}$
DS-JXHZT-7	700*160*180	Suitable for cable outer diameter $\Phi 48 \sim 80\text{mm}$



1kV glue-filled waterproof junction box-split type

Split glue-filled box and accessories

Glue-filled waterproof junction box: It consists of shell, sealant and accessories. When it is used, mix the sealant (tan curing agent and resin) sufficiently and inject it into the inner cavity of the shell from the glue injection port, and wait for it to fully cure.

This product has excellent dustproof, waterproof and insulating properties.

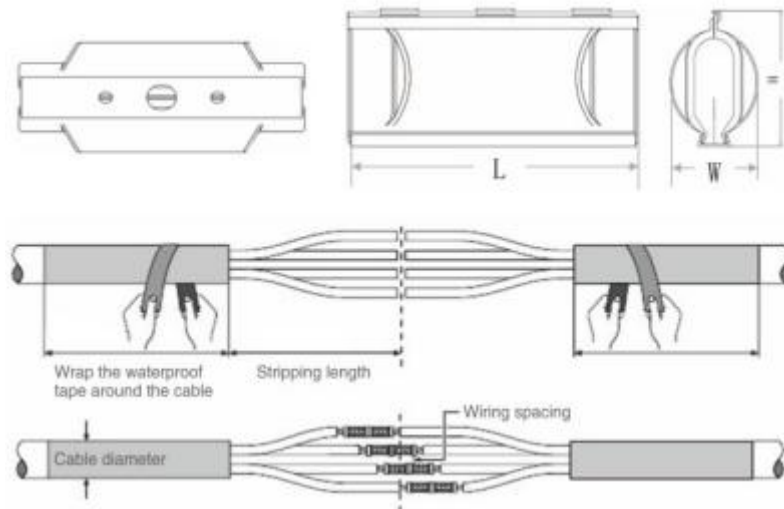
Performance parameters

Base material	Two-component polyurethane	
Color	Resin	Curing agent
	Light yellow	Tan
Hardness	75A ± 5	
Gel time	43'/5℃ 15'/23℃ 8'/40℃	
Volume resistivity rate	$>1 \times 10^{11} \Omega \text{ cm}$	
Breakdown strength	$>15 \text{ kV/mm}$	
Elongation at break	$>35\%$	
Storage temperature	$+5^{\circ}\text{C} \sim 35^{\circ}\text{C}$	
Quality guarantee period	24 months	



Overall dimensions

Product Model	Overall Dimension	Suitable for cable out diameter Ømm	
		Main Thread	Bifurcation Line
DS-JXFT-1	175*75*40	≤ 15	≤ 15
DS-JXFT-2	175*110*76	≤ 29	≤ 22
DS-JXFT-3	300*110*76	≤ 29	≤ 22
DS-JXFT-4	400*125*100	≤ 35	≤ 25



1kV glue-filled waterproof junction box-Integrated type

Integrated glue-filled box and accessories

Glue-filled waterproof junction box: It consists of shell, sealant and accessories. When it is used, mix the sealant (tan curing agent and resin) sufficiently and inject it into the inner cavity of the shell from the glue injection port, and wait for it to fully cure.

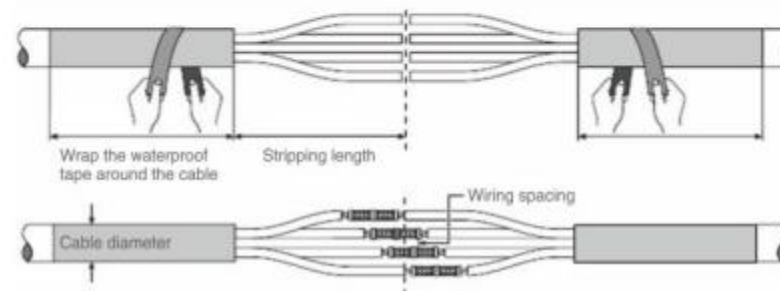
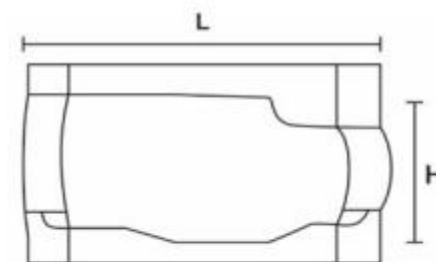
This product has excellent dustproof, waterproof and insulating properties.



Overall dimensions

Unit:mm

Product Model	Overall Dimension	Suitable for cable out diameter Ømm	
		Main Thread	Bifurcation Line
DS-JXHYT-1	155*95*80	≤26	≤16
DS-JXHYT-2	230*110*85	≤40	≤20
DS-JXHYT-3	260*125*100	≤45	≤30
DS-JXHYT-4	295*175*130	≤55	≤36



Performance parameters

Base material	Two-component polyurethane	
Color	Resin	Curing agent
	Light yellow	Tan
Hardness	75A ± 5	
Gel time	43'/5℃ 15'/23℃ 8'/40℃	
Volume resistivity rate	$>1 \times 10^{11} \Omega \text{ cm}$	
Breakdown strength	$>15 \text{ kV/mm}$	
Elongation at break	$>35\%$	
Storage temperature	$+5^{\circ}\text{C} \sim 35^{\circ}\text{C}$	
Quality guarantee period	24 months	

Fireproof and anti-condensation sealing material

Product overview

This product adopts a highly active chemical material developed from polymer matrix technology. During on-site operation, it is stirred and mixed, which can quickly self level and then expand and solidify into shape. The formed sealing body has properties of good sealing, fire retardant, fire prevention, anti-condensation, anti-animal, heat insulation, long life, automatic caulking and expansion.etc.

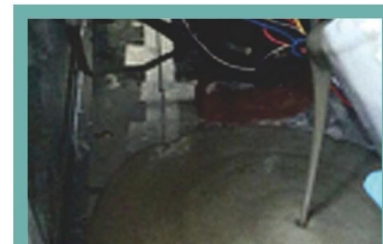
It is applicable to high and low voltage switchgear, box-type substations, cable branch boxes, sub-section posts, ring network cabinets, American boxes, terminal boxes, wind boxes, photovoltaic boxes, high-speed railroad special boxes and other power equipment.

Product Characteristics

- 1.Applicable to fireproofing, dustproofing, anti-condensation and blocking at the bottom of various electrical equipment and communication cabinets.
- 2.Applicable to smoke and dust prevention, insects and pests prevention and blocking of the floor or through-wall structure.
- 3.Self-leveling,natural foam molding.

Performance parameters

Base material	Two-component polyurethane hard foam	
Color	Resin	Curing agent
	Light yellow transparent sticky substance	Tan
Thinness consistency	700±150	200±50
Ratio	100: 100	
Time of mixing glue	10"	
Milky white time	120"	
Fiber time	420"	
Nonstick time	540"	
Free foaming density	159 kg/m ³	
Molded density	≥60kg/m ³	
Closed cell rate	≥99%	
Thermal conductivity rate	≤24.0 mW/m.k	
Compressive strength	≥400Kpa	
Dimensional stability	140℃, 72hr, 2%	
	-30℃, 48hr, 0.5%	



Solvent-free fireproof and waterproof gel

Product overview

This is a liquid polyurethane coating developed for the protection of various metals and cables. The special formula design not only enables the coating to achieve "zero" solvent, which increases the safety of construction, but also provides excellent flame retardant properties to prevent the spread of flame.

Product advantages

- High strength, high adhesion, wear resistance.
- Resistant to acid, alkali and all kinds of chemical corrosion
- Fire retardant grade: UL94-0
- Excellent insulation and waterproof performance
- Excellent cold and heat shock resistance
- Excellent weathering and aging resistance



Scope of application

This product has solvent-free, waterproof, and fireproof performance, while combining low viscosity and high mold thickness performance. The thickness of one brushing can reach more than 500 um, and it has excellent adhesion with the substrate. It has uniform and glossy appearance, and can be used for waterproofing, anti-corrosion and insulation reinforcement in various occasions. The method of curing and brushing at room temperature greatly reduces the limitation of construction space, and the operation is simple and convenient.

Usage and dosage reference

- Remove dust, oil and impurities from surfaces to be coated;
- Pour the material in bucket B into bucket A and stir well with a stirring bar until even;
- Apply the stirred material evenly to the surface of the substrate and wait for it to self-level and cure.
- Reference dosage: 4-5 sets of this product are needed to paint a cable head. (For details, the appearance size of the cable head needs to be referred to.)



Performance parameters

Base material	Two-component polyurethane
Flame retardancy	V-0
Hardness after curing	75
Abrasion resistance	Weight loss after 1000 revolutions is less than 0.040mg.
Elongation at break	30%(after full curing)
Salt spray resistance	5000h no defects
Thermal Shock Test	-40℃~85℃ cold and hot shock no defects after 100 cycles
Breakdown voltage	0.3mm thick coating: 10.4kV 0.8mm thick coating: 24.4kV

DS-202 cable fireproof coatings



Product overview

DS-202 cable fireproof coatings is a new type of fireproofcoating successfully developed by our company according to the national standard of GA181-1998, which is composed of tertiary propylene emulsion waterborne material with various fire retardants, plasticizers, etc. It is an advanced waterborne fireproof coating for wire and cable in China at present. This product can generate uniform dense sponge foam insulation layer when the coating is subjected to fire, which can effectively inhibit and block the propagation and spread of flame, and play a protective role for wires and cables. Its main advantages are environmental protection, no pollution, non-toxic and tasteless, no threat to the health of the applicator. This product also has a thin coating, strong adhesion, good flexibility and other characteristics, and has good insulation, anti-corrosion function.

Performance indicators

The state in the container	After stirring, it is in a homogeneous state.
Fineness	$\leq 90 \mu m$
Viscosity	≥ 70
Drying time	The time it takes for the surface to reach a dry state does not exceed 5h. The time to actually reach the dry state does not exceed 24h.
Oil resistance	The coating has no wrinkling, peeling, or blistering after being soaked for 7 days; Under standard environmental conditions for 24 hours, it can be basically restored and slight discoloration is allowed.
Salt corrosion resistance	The coating has no wrinkling, peeling, or blistering after being soaked for 7 days; Under standard environmental conditions for 24 hours, it can be basically restored and slight loss of light is allowed.
Humidity resistance	The coating has no blistering, no shedding after being soaked for 7 days, and slight loss of light is allowed.
Resistance to freeze-thaw cycling	After 15 cycles, the coating has no blistering, no shedding, and less than 2 cracks are allowed.
Bending resistance	The coating does not layer and does not fall off, and less than 8 cracks are allowed.
Fire resistance	Carbonization height does not exceed 2.5m.

Scope of application

This product is widely used in the fire retardant treatment of wires and cables in powerplants, industrial and mining, telecommunication and civil buildings, and can also be used in the fire protection of objects such as combustible substrates of wooden and metal structures, buildings and underground projects.



THREE

**EXPLOSION-PROOF SERIES
PRODUCTS**



Explosion-proof blanket

Product introduction:



Fire and explosion-proof blanket its outermost layer of silica gel cloth processed from inside to be processed by a special process layer, including fire and explosion-proof layer; this product has good high temperature resistance, corrosion resistance, high strength, insulation and weather resistance and other properties; in addition, the product itself is soft and toughness is the parcel of the surface of the ideal choice for uneven objects and equipment, the site is simple and convenient installation for use in a variety of environments, service life The service life can reach ten years.

Scope of application:

Product Model	Product Size	Scope of application
DS-FBT-10	1300*1000mm	10kV three-core or 35kV single-core
DS-FBT-35	2000*1000mm	35kV single-core
DS-FBT-110	Customized according to user's actual requirements	110kV
DS-FBT-220	Customized according to user's actual requirements	220kV

Fiberglass casing

Product introduction:

The shell is suitable for 35kV, 66kV, 110kV, 220kV XLPE power cable intermediate joints. It plays a role of Insulation, sealing, connection and mechanical protection. The shell is made of flame-retardant FRP material. Its mechanical strength is high and the sealing performance is good. It can be installed in the cable trenches or buried directly underground. It can also be used outside the copper shell, with the copper shell used at the same time, to play a double protection role for the intermediate joint.



Glue-filled explosion-proof housing

Product principle

After the made cable joints running for a long time, due to the material differences between fasteners and prefabricated parts, and factors such as individual differences in construction work, the intermediate joint is locally heated and aged, so that the insulation level of the joint body is reduced, and when the insulation level continues to be reduced to insufficient to withstand the power supply voltage, a breakdown accident will occur. Or due to the quality of the joint, the partial discharge after installation is too large. Although it successfully passed the withstand voltage test in the early acceptance, the long- term operation will gradually increase the discharge of the joint, eventually causing the insulation layer to be broken down and accidents such as single-phase grounding or interphase short circuit. If the cable joint is not sealed, the air in the environment will cause electric sparks to ignite the surrounding materials, resulting in cable fire or explosion, causing secondary accidents, damaging other electrical equipment or cables laid side by side.

The combination of explosion-proof shell and potting glue of the intermediate joint produced by our company can be fully sealed after assembly. It effectively fill gaps, isolate moisture, moisture and air, and isolate the intermediate joint from the outside world. When the joint fails, the cured colloid and explosion-proof shell can effectively reduce the huge impact caused by the instantaneous explosion. The completely sealed state can isolate the gas in the air and the combustible gas in the environment, and the flame retardant treatment of the colloid itself can make the flame extinguish instantly, effectively preventing cable accidents.

In addition, the cured colloid itself can be integrated with the joint, so that the joint can operate safely in a water-immersed environment for a long time, and reduce the failure of the cable caused by water immersion and moisture. The thermal conductive potting glue with special needs also has a rapid heat dissipation function, so that the intermediate joint can avoid excessive local temperature, so as to achieve the purpose of temperature control.



Product features

- 1.The explosion-proof shell is one-time die-casting molded, with simple structure and light weight.
- 2.The shell is made of glass fiber composite material, which has good corrosion resistance and waterproof performance, and does not cause damage and deformation of the shell due to moisture or long-term water immersion, resulting in changes in waterproof and explosion-proof performance.
- 3.Potting glue: it has insulation, waterproof, flame retardant and thermal conductivity, effectively ensuring the service life of the intermediate joint.
- 4.The combination of explosion-proof shell and potting glue can effectively reduce the short circuit or grounding accident caused by long-term water immersion of cable joints.
- 5.The process is simple, the installation is simple, and the installation operation can be carried out without special training.
- 6.It is suitable for use under harsh conditions such as cable trenches, wells and direct burial, and has a wide range of applications.



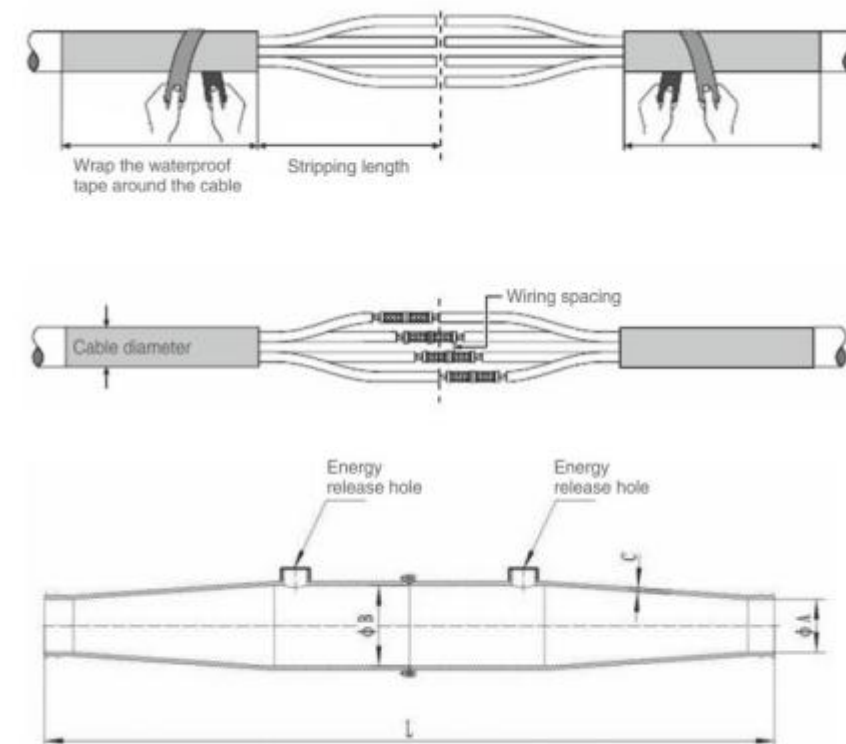
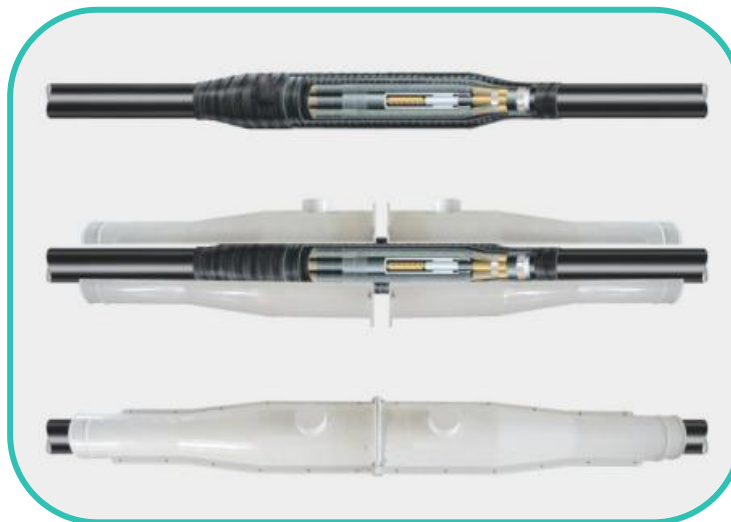
10-35kV explosion-proof housing (SMC)

Scope of application

This series of products is suitable for waterproofing, fireproofing, explosion-proof and direct burial withstand voltage protection of cold and hot shrink intermediate joints of cross-linked polyethylene insulated power cable with a nominal cross-section of 50 to 630mm².

Product performance

This product is molded with unsaturated resin (or SMC) and high strength glass fiber, which has tough physical properties, can avoid power being damaged by external forces, and can effectively prevent the shock wave and flame generated by the explosion in the event of smoke and combustion accidents in the power intermediate joint to avoid secondly disasters.



Overall dimensions

Unit:mm

Product Model	L	ØA	ØB	Number of Pieces
DS-FBH (SMC)-1	1000	67	108	2
DS-FBH (SMC)-2	1300	90	180	2
DS-FBH (SMC)-3	1600	106	160	2
DS-FBH (SMC)-4	1600	106	160	4
DS-FBH (SMC)-5	1600	120	180	2
DS-FBH (SMC)-6	2100	120	245	4
DS-FBH (SMC)-7	2200	120	245	4
DS-FBH (SMC) -8	2300	120	245	4

110-500kV explosion -proof housing

Scope of application

This series of products is suitable for waterproofing, fireproofing, explosion-proof and direct burial withstand voltage protection of cold and hot shrink intermediate joint s of cross-linked polyethylene insulated power cable with a nominal cross-section of 50 to 630mm².

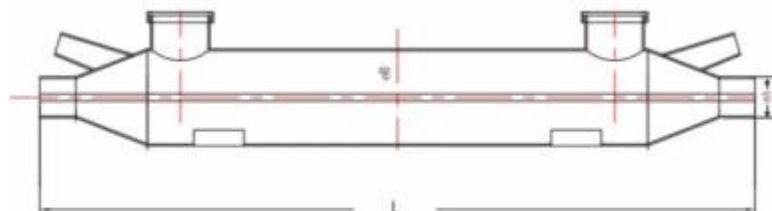
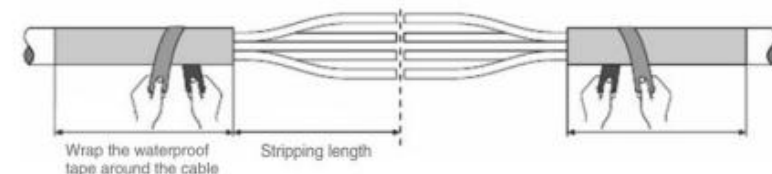
Product performance

This product is molded with unsaturated resin (or SMC) and high strength glass fiber, which has tough physical properties, can avoid power being damaged by external forces, and can effectively prevent the shock wave and flame generated by the explosion in the event of smoke and combustion accidents in the power intermediate joint to avoid secondary disasters.

Overall dimensions

Product Model	L	ØB	ØA	Notes
37#	2200	265	128	Dedicated to CYG ELECTRIC CO., LTD.
38#	2200	295	128	Dedicated to CYG ELECTRIC CO., LTD.
41#	2829	416	142/155/165	Dedicated to CYG ELECTRIC CO., LTD.
65-2#	2460	432	198	Dedicated to Qingdao Hanhe cable CO., LTD.
65-3#	2460	396	175	Dedicated to Qingdao Hanhe cable CO., LTD.
84#	2100	300	100/125	Dedicated to Jiangsu Pulangke Power Technology Co., Ltd.
13-2#	2300	260/280	125	Adaptable type

Unit:mm



10-35kV stainless steel explosion-proof housing

Scope of application

This series of products is suitable for waterproofing, fireproofing, explosion-proof and direct burial withstand voltage protection of cold and hot shrink intermediate joints of cross-linked polyethylene insulated power cable with a nominal cross-section of 50 to 630mm².

Overall dimensions

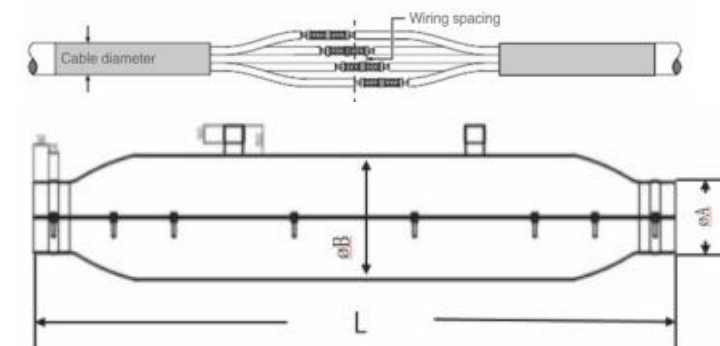
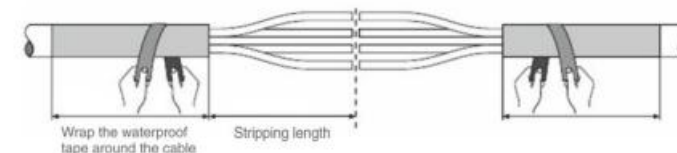
Product Model	Length*Inside Diameter*Caliber*Wall Thickness	Scope of Application
DS-FBH (SS)-1	900*Φ180*Φ120mm-1.5	10kV single core
DS-FBH (SS)-2	1400*Φ180*Φ120mm-1.5	10kV three cores or 35kV single core
DS-FBH (SS)-3	1600*Φ180*Φ120mm-1.5	10kV three cores or 35kV single core
DS-FBH (SS)-4	1600*Φ200*Φ130mm-1.5	10kV three cores or 35kV single core
DS-FBH (SS)-5	1800*Φ200*Φ120mm-1.5	35kV three cores The cross-sectional area is 120-240mm ² .
DS-FBH (SS)-6	1800*Φ200*Φ130mm-1.5	35kV three cores The cross-sectional area is 300-400mm ² .
DS-FBH (SS)-7	1800*Φ250*Φ130mm-1.5	35kV three cores The cross-sectional area is 300-400mm ² .
DS-FBH (SS)-8	2100*Φ250*Φ150mm-1.5	35kV three cores The cross-sectional area is more than 400mm ² .

Unit:mm



Product performance

The stainless steel explosion-proof box is divided into upper and lower parts, which has the features of easy installation, high strength and good sealing performance. The product shell is made of 304# stainless steel, which has special prevention functions for a variety of corrosive medium, and has the characteristics of fire resistance, heat insulation, anti-knock property, etc.. The shell has a good expansion rate and strong withstand voltage property, that can withstand strong impact from the inside or outside, and meets the requirements of coastal areas, chemical sites and long-term direct burial underground.



10-220kV aluminum magnesium alloy explosion- proof housing

Scope of application

This series of products is suitable for waterproofing, fireproofing, explosion-proof and direct burial withstand voltage protection of cold and hot shrink intermediate joints of cross-linked polyethylene insulated power cable with a nominal cross-section of 50 to 630mm².

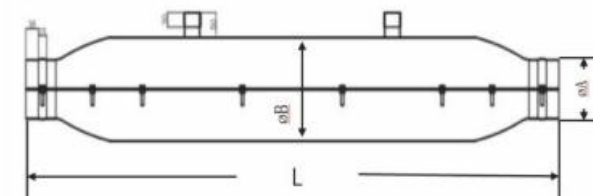
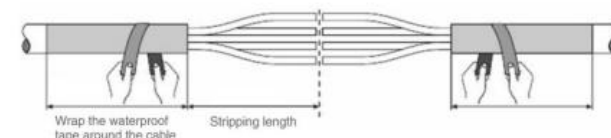
Product performance

The aluminum magnesium alloy explosion-proof housing is divided into upper and lower parts, which has the features of easy installation, high strength and good sealing performance. The product shell is made of aluminum magnesium alloy, which has special prevention functions for a variety of corrosive medium, and has the characteristics of fire resistance, heat insulation, anti-knock property, etc.. The shell has a good expansion rate and strong withstand voltage property, that can withstand strong impact from the inside or outside and meets the requirements of

Overall dimensions

Unit:mm

Product Model	Length*Inside Diameter*Caliber	Scope of Application
DS-FBH (AL)-1	1600* Φ180* Φ130mm	10kV universal
DS-FBH (AL)-2	1820* Φ250* Φ140mm	35kV universal
DS-FBH (AL)-3	2200* Φ380* Φ160mm	110kV
DS-FBH (AL)-4	2400* Φ380* Φ160mm	110kV
DS-FBH (AL)-5	2800* Φ380* Φ180mm	220kV



FOUR

HIGH PRESSURE SERIES PRODUCTS



Intermediate joint copper housing

Features of copper housing

1. Sheep horn copper housing:

The metal parts of the copper housing are made of copper pipes and other copper materials, and the insulation is made of injection molding and rotational molding (impregnated molding) production process, which is complete and beautiful. Its size can be changed for different types of intermediate joints. It has good sealing performance, high mechanical strength and its installation is easy and convenient.

2. Epoxy insulating copper housing:

In order to meet the needs of users, our factory also adopts epoxy insulating copper housing, which adopts vacuum pressure pouring, and its electrical insulation performance is stable and good.

The above copper housings can be poured with sealant, which can be directly installed in the cable trenches or buried directly underground, and can also be used with the FRP waterproof housing produced by our factory to achieve a more ideal use effect. This copper housing meets the requirements of IEC and GB standards.



Intermediate joint copper housing



145kV环氧法兰
绝缘铜外壳
145kV epoxy flange
insulated copper housing



110kV绝缘
铜外壳
110kV insulated
copper housing



110kV环氧法兰
绝缘铜外壳
110kV epoxy flange
insulated copper housing



220kV环氧法兰
绝缘铜外壳
220kV epoxy flange
insulated copper housing

产品概况 Product overview

产品名称 PRODUCT NAME	电压等级 VOLTAGE LEVEL	适用截面 APPLICABLE CROSS-SECTION	产品口径 PRODUCT CALIBER	材质 MATERIAL
直通中间接头铜外壳 Straight-through intermediate joint copper housing	66kV-145kV	240MM ² -1600MM ² 1600MM ² 以上 More than 1600 mm ²	Φ95-Φ128 Φ132-Φ150	铜管/铜板 Copper tube/copper plate
	220kV-245kV	400MM ² -2500MM ²	Φ114-Φ174	铜板 Copper plate
	500kV		Φ140-Φ209	
绝缘中间接头铜外壳 Insulated intermediate joint copper housing	66kV-145kV	240MM ² -1600MM ² 1600MM ² 以上 More than 1600 mm ²	Φ95-Φ128 Φ132-Φ150	铜管/铜板 Copper tube/copper plate
	220kV-245kV	400MM ² -2500MM ²	Φ114-Φ174	铜板 Copper plate
	500kV		Φ40-Φ209	
绝缘中间接头铜外壳（环氧型） Insulated intermediate joint copper housing (epoxy type)	66kV-132kV	240MM ² -1600MM ²	Φ95-Φ128	铜管/铜板 Copper tube/copper plate
	66kV-145kV	240MM ² -1600MM ² 1600MM ² 以上 More than 1600 mm ²	Φ95-Φ128 Φ132-Φ150	
	220kV-245kV	400MM ² -2500MM ²	Φ114-Φ174	
	500kV		Φ40-Φ209	

Flame-retardant copper housing

Product introduction:

With the improvement of the requirements of China Southern Power Grid for cable accessories in recent years, the flame retardant performance requirements for supporting products have also increased. In response to the technical requirements of China Southern Power Grid, our intermediate joint copper housing products optimize and upgrade the traditional copper housing insulation layer by using new composite materials, so that it can reach GB10707 flame retardant grade V-0, and the new composite materials are superior to traditional PE materials in terms of dielectric strength and mechanical properties.



Comparison table of material properties :

应 用 Application		注塑制品 Injection molded products			
颜 色 Color		黑 色 Black			
电性能	Electrical properties	新型复合材料 New composite materials	传统PE材料 Traditional PE material	单位 Unit	测试依据 Test basis
体积电阻率真	Volume resistivity	4.2X10 ¹⁵	4.2X10 ¹⁵	Ωcm	GB/T 1410-2006
击穿电压强度	Breakdown voltage strength	23.79	21.08	kV/mm	GB/T 1408.1-2006
硬度	Hardness				
邵氏硬度	Shore hardness	40.5	45	Shore D	GB/T 2411-2008
力学性能	Mechanical properties				
拉伸强度	Tensile strength	13	12.5	Mpa	GB/T 2951-2008
断裂伸长率	Elongation at break	450	300	%	GB/T 2951-2008
撕裂强度	Tear strength	72.5	65	KN/m	GB/T 529-2008
脆化温度	Embrittlement temperature	-40	-20	°C	GB/T 5470-2002
阻燃性能	Flame retardant properties				
垂直燃烧	Vertical burning	V-0	--	--	UL 94

Grounding box

Product introduction:

This series of products is suitable for grounding systems of 35kV, 66kV, 110kV and 220kV single-core XLPE power cables. The function of the protective grounding box and the cross-in the connection box is to limit the increase of the impact overvoltage on the sheath and both sides of the insulation section of insulation joints when the induced voltage generated on the metal sheath increases with the increase of the cable length and the current flowing through the core, and the line network suffers from short-circuit fault or lightning over voltage. It controls the induced voltage, reduces the ring current on the metal sheath, improves the transmission capacity of the cable, prevents the cable sheath insulation from being broken down, and ensures that the cable can operate safely and reliably.

Product characteristics:

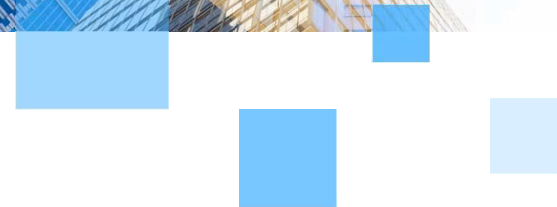
The plate press connection adopts red copper row inside, which is tinned. It has good conductivity. As for sheath protection, according to different user requirements, silicone rubber or porcelain sleeve type zinc oxide cable sheath protector can be chosen. The box body is made of upright, wall-mounted (plate thickness of 1.5mm), direct buried (plate thickness of 3.0mm) stainless steel plate, marked that it has been sprayed with plastic. It has beautiful appearance, corrosion resistance, good sealing performance and durability.





PART 03

Company Qualification



Company Qualification

Business qualification

Qualification certificates of production, operation, management and control recognized by the state.

TONYHCO®



国家企业信用信息公示系统网址: <http://www.gsxt.gov.cn>

市场主体应当于每年1月1日至6月30日通过
国家信用信息公示系统报送公示年度报告。

国家市场监督管理总局监制



UKAS MANAGEMENT SYSTEMS
0015
IAF
EAC Code: 17119



UKAS MANAGEMENT SYSTEMS
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Company Qualification



Business qualification

Qualification certificates of production, operation, management and control recognized by the state.





Company Qualification



Crelence Electric

Business qualification

Qualification certificates of production, operation, management and control recognized by the state.



国家企业信用信息公示系统网址 <http://www.gsxt.gov.cn>

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国家市场监督管理总局监制



Company Qualification

Third party test report

The products manufactured by the company have passed the inspection of the domestic authoritative structure and obtained the inspection report.

检测报告
Test Report

产品名称
Name of sample
8.7/10KV 户内绝缘接头

样品型号
Type of sample
JLSJ-10/5.4

委托方
Comisgner
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

ICV 国能检测

地址：上海市浦东新区川沙新镇 邮编：200404
电话：021-65481032 手机：137-65481771
电子邮箱：cnc@china-cable.cn
网站：www.china-cable.cn

检测报告
Test Report

产品名称
Name of sample
8.7/10KV 户内绝缘接头

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Type of sample
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电子邮箱：cnc@china-cable.cn
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检测报告
Test Report

产品名称
Name of sample
8.7/10KV 户内绝缘接头

样品型号
Type of sample
JLSJ-10/5.4

委托方
Comisgner
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

ICV 国能检测

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网站：www.china-cable.cn

检测报告
Test Report

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样品型号
Type of sample
JLSJ-10/5.4

委托方
Comisgner
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

ICV 国能检测

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网站：www.china-cable.cn

检测报告
Test Report

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Name of sample
8.7/10KV 户内绝缘接头

样品型号
Type of sample
JLSJ-10/5.4

委托方
Comisgner
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

ICV 国能检测

地址：上海市浦东新区川沙新镇 邮编：200404
电话：021-65481032 手机：137-65481771
电子邮箱：cnc@china-cable.cn
网站：www.china-cable.cn

检测报告
Test Report

产品名称
Name of sample
8.7/10KV 户内绝缘接头

样品型号
Type of sample
JLSJ-10/5.4

委托方
Comisgner
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

ICV 国能检测

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电子邮箱：cnc@china-cable.cn
网站：www.china-cable.cn

Company Qualification

Third party test report

The products manufactured by the company have passed the inspection of the domestic authoritative structure and obtained the inspection report.

检测报告
Test Report

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

上海国维检测股份有限公司
SHANGHAI NATIONAL CENTRE FOR TESTING AND INSPECTION
FOR ELECTRIC CABLE AND WIRE CO.,LTD
国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

地址：上海市宝山区长江路2004号
邮编：200440 电话：021-65481033 传真：021-65481071
电子邮箱：www@cnw.com.cn
资质证书编号：CNAS L10307

上海国维检测股份有限公司
国家电线电缆质量监督检验中心
检测报告

报告编号
Reference No.
CTD-41587-1

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试验类型
Kind of test
型式试验

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

试验结果
Test Result
合格

备注
Note
1. 依据GB/T 12706.4-2020标准进行型式试验，符合标准要求。2. 试验过程中，未发现任何异常现象。3. 试验结果符合标准要求。4. 试验报告编号：CTD-41587-1。

检测报告
Test Report

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

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资质证书编号：CNAS L10307

国家电线电缆质量监督检验中心检测报告
China National Centre for Quality Supervision and Test of Electric Wire and Cable
Test Report

报告编号
Reference No.
CTD-41587-1

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试验类型
Kind of test
型式试验

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
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试验类型
Kind of test
型式试验

试验结果
Test Result
合格

备注
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检测报告
Test Report

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

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资质证书编号：CNAS L10307

国家电线电缆质量监督检验中心检测报告
China National Centre for Quality Supervision and Test of Electric Wire and Cable
Test Report

报告编号
Reference No.
CTD-41588-1

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试验类型
Kind of test
型式试验

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

试验结果
Test Result
合格

备注
Note
1. 依据GB/T 12706.4-2020标准进行型式试验，符合标准要求。2. 试验过程中，未发现任何异常现象。3. 试验结果符合标准要求。4. 试验报告编号：CTD-41588-1。

检测报告
Test Report

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

地址：上海市宝山区长江路2004号
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电子邮箱：www@cnw.com.cn
资质证书编号：CNAS L10307

国家电线电缆质量监督检验中心检测报告
China National Centre for Quality Supervision and Test of Electric Wire and Cable
Test Report

报告编号
Reference No.
CTD-41589-1

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试验类型
Kind of test
型式试验

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

试验结果
Test Result
合格

备注
Note
1. 依据GB/T 12706.4-2020标准进行型式试验，符合标准要求。2. 试验过程中，未发现任何异常现象。3. 试验结果符合标准要求。4. 试验报告编号：CTD-41589-1。

检测报告
Test Report

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

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国家电线电缆质量监督检验中心检测报告
China National Centre for Quality Supervision and Test of Electric Wire and Cable
Test Report

报告编号
Reference No.
CTD-41590-1

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试验类型
Kind of test
型式试验

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

试验结果
Test Result
合格

备注
Note
1. 依据GB/T 12706.4-2020标准进行型式试验，符合标准要求。2. 试验过程中，未发现任何异常现象。3. 试验结果符合标准要求。4. 试验报告编号：CTD-41590-1。

检测报告
Test Report

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

地址：上海市宝山区长江路2004号
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国家电线电缆质量监督检验中心检测报告
China National Centre for Quality Supervision and Test of Electric Wire and Cable
Test Report

报告编号
Reference No.
CTD-41591-1

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试验类型
Kind of test
型式试验

样品名称
Name of sample
8.7/15kV冷缩户内终端

样品型号
Type of sample
DL-2.15.4

委托方
Comer
宁波东泰电力科技有限公司

试验类型
Kind of test
型式试验

试验结果
Test Result
合格

备注
Note
1. 依据GB/T 12706.4-2020标准进行型式试验，符合标准要求。2. 试验过程中，未发现任何异常现象。3. 试验结果符合标准要求。4. 试验报告编号：CTD-41591-1。

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Third party test report

The products manufactured by the company have passed the inspection of the domestic authoritative structure and obtained the inspection report.

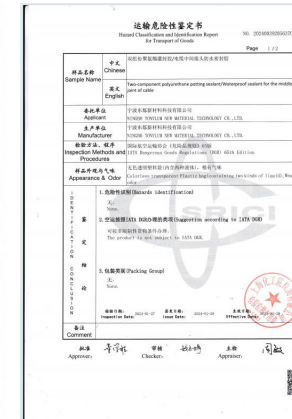
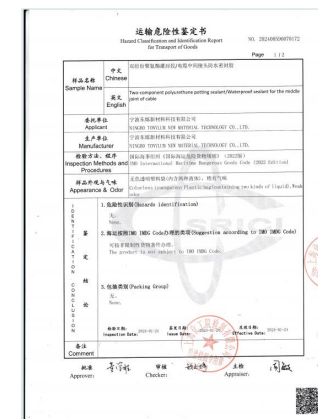
 		中国合格评定 国家认可中心 CHINA NATIONAL CERTIFICATION CENTER	
		国家认可证书 Recognition	
		证书编号 0730-0139	
检 测 报 告 Test Report			
样品名称	R.7515/15/0 平头普通型		
Name of sample	R.7515/15/0,apparel connector		
样品型号	QQJ-15/30		
Type of sample			
委托方	宁波东联光电技术有限公司		
Client	Ningbo Donglian Optoelectronics Technology Co., Ltd.		
试样类型	型式试验		
Kind of test	Type test		
			
国家质量监督检验检疫总局授权 CHINA NATIONAL CERTIFICATION CENTER FOR CITY SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE			
			
地址：上海市浦东新区川沙新镇 邮编：201204 电话：021-65401513 传真：021-65404677 E-mail: cnca@cnca.net.cn			

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Company Qualification

Third party test report

The products manufactured by the company have passed the inspection of the domestic authoritative structure and obtained the inspection report.



Company Qualification

Patent certificate

The company has an independent R&D and innovative technical team. The products researched, developed and produced have a number of innovation patents and invention patents.



Company Qualification

Patent certificate

The company has an independent R&D and innovative technical team. The products researched, developed and produced have a number of innovation patents and invention patents.





PART 04

Cooperative Customers





Cooperative Customers





Thanks for
watching

