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Product Catalogue

- **High Voltage Power Cable Accessories**
- **Welding Cable Joint**
- **Cold Shrinkable Cable Accessories**
- **Heat Shrinkable Cable Accessories**
- **Heat Shrinkable Tube/Bus-bar Tube**
- **Elbow Connector**

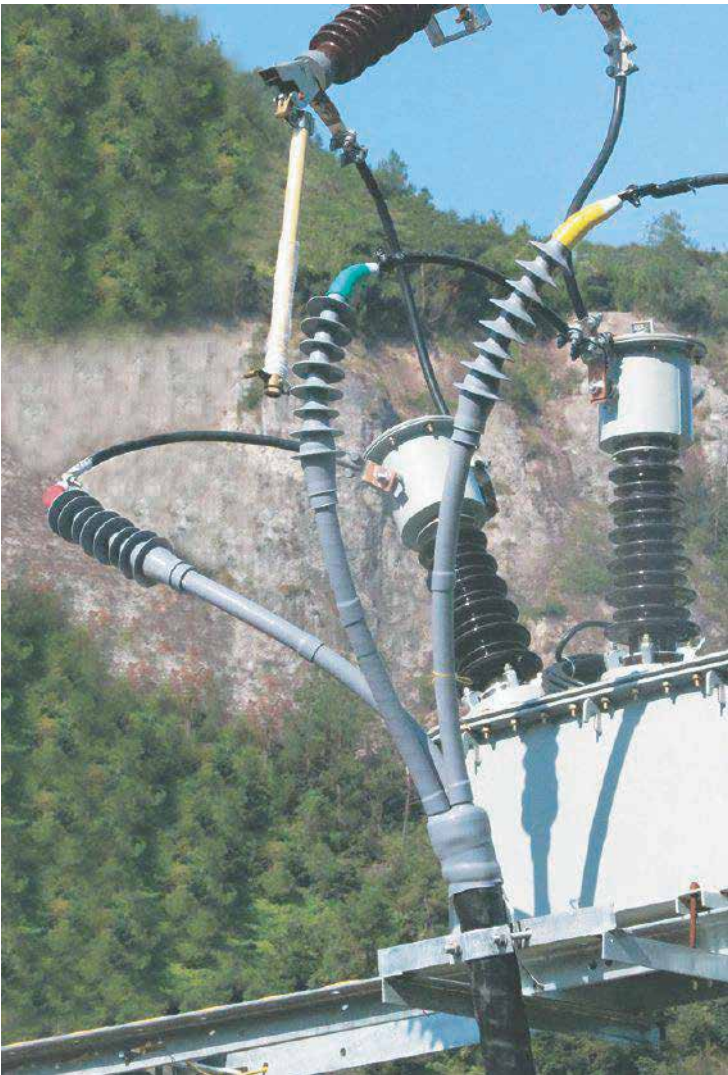
Production & Testing Equipment



Professional Equipment Creates Excellent Quality >>



■ Usage Scenario



| | | |
|----------|--|------------|
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■ Overview

The processing of electron accelerator radiation (hereinafter referred to as irradiation) refers to the use of high energy electron accelerator, radiation to the surface or internal processing, physical or chemical reaction in the processing object, so as to change some properties of the object processing technology. Polymer materials radiation crosslinking is form chemical bonds between polymer long chain or onlookers strong physical combining site, so that the physical properties, chemical properties of polymer for improvement.

Radiation crosslinking of the main products are heat shrinkable materials, wire and cable insulation materials and polyethylene foam. Polymer materials radiation crosslinking, the line into the reticular structure, the corresponding changes in its performance. From can melt into not melting, high temperature resistance and high temperature intensity has obvious increase; Form new connections between molecular keys, to prevent the molecular relative slip, enhance rigidity; So that after irradiation processing, the product have characteristics of good flame retardant, cold resistant, heat resistant, radiation resistant, resistant to bad environment etc., widely used in electricity, electronics, petroleum, automotive, and other industrial fields.

Our company now has more than one irradiation accelerator, has a full set of production and testing equipment, has large quantities of irradiation conditions and leading irradiation technology advantage, provide irradiation crosslinking wire and cable, heat shrinkable materials irradiation processing business.

■ Performance feature

Irradiation processing technology collection of electronic technology, high energy nuclear physics technology, vacuum technology, computer technology, radiation chemical technology and wire and cable manufacturing technology at an organic whole. High-energy electron beam produced by electron accelerator, the role within the polymer, the polymer molecular structure is changed, the original linear macromolecules into insoluble don't melt three-dimensional network structure. The main characteristics of its products are:

- Good heat resistance: Such as to allow for a long time after irradiation crosslinking polyethylene material working temperature can be raised from 60-70 °C to 90-150 °C, short circuit temperature from 160 °C to 250 °C.
- Improve the carrying capacity of cable: The conductor cross section carrying capacity increases about 20%-50%.
- With excellent insulation properties and electrical performance.
- High mechanical strength, aging resistance and chemical stability and good environmental stress cracking resistance.
- Improve the flame retardant performance.
- High safety and long performance life which can be up to 40 years.

■ Irradiation Processing Main Items

| Irradiation Type | Material | Irradiation Range | | | |
|--|--|----------------------------------|--|--|------------|
| | | Wall Thickness(mm ²) | Conductor Cross-sectional Area(mm ²) | Diameter(mm ²) | Length(mm) |
| Building Wire Photovoltaic Wire Electronic Wire Electronic Cable Automotive Wire Air Wire | PE PVC Rubber Silicon Rubber | 0.1~4 | 0.3~70 | Φ0.3~ Φ15 Electronic Wiring (Width):30 | Continuous |
| 600V Heat Shrinkable Tube | Polyolefins | 0.1~1.5 | | Φ0.3~ Φ100 | Continuous |
| 1kV Heat Shrinkable Bus-bar Tube | Polyolefins | 0.5~1.8 | | | |
| 10kV/35kV Heat Shrinkable Bus-bar Tube | Polyolefins | 1.2~3.5 | | Φ10~ Φ100 | Continuous |
| Cable Accessories | Heat Shrinkable Tube | Polyolefins | 0.5~5.5 | Φ6~ Φ350 | 2000 |
| | Breakout/Rainshed/Sealing cap | Polyolefins | 1.0~4.5 | Φ6~ Φ300 | |
| Others | It can be irradiated PTC electronic chips, triode, small SCR, self-healing fuse, semiconductor crystal garden, etc | | | | |

■ Ordinary PE wires and Irradiation XPLE wire Performance Comparison

| Item | Before Irradiation | After Irradiation |
|---|--------------------|-------------------|
| Working Temperature | 70 - 90 °C | 150 °C |
| Short Circuit Temperature | 120 - 150 °C | 250 °C |
| Thermal Elongation | >300 % | <40 - 140 % |
| Gel Content | -- | 75 - 85 % |
| Thermal Aging Tensile Strength (130°C, 168 hours) | ≥ 8.5 MPa | ≥ 12 MPa |
| Thermal Elongation at break (130°C, 168 hours) | ≥ 150 % | ≥ 280 % |
| Carrying Capacity | 100 % | 120 %- 150 % |
| Working Life | 20 years | 30 - 50 years |

■ Product Introduction

The main varieties of 110kV and above XLPE insulated cable termination are: Outdoor termination, GIS termination (installed in fully enclosed combined appliances) and transformer termination (installed in transformer oil tanks). Prefabricated Rubber Stress Cone Termination and Prefabricated Intermediate Joint are main type of high voltage crosslinked cable accessories used in China.

Our 110kV series products meet the requirements of IEC60840 and GB/T11017.3, the product adopts special electric field analysis software to optimize the design, and they are made of high quality materials and advanced production technology, it ensures uniform electric field, stable performance and reliable operation.

■ Technical specification

| Test item | Parameters |
|-----------------------------------|-------------|
| Power frequency withstand voltage | 160kV/15min |
| Partial Discharge | 96kV≤1.5pc |
| Creepage Distance | ≥4100mm |
| Pollution Severity | Grade IV |



■ Type Table

| Product Name | Item Code | Specification |
|---|-----------------|---------------|
| 64/110kV Outdoor Termination with Porcelain Insulator for 64/110kV XLPE Cable | YJZWY4-64/110kV | 1×240 |
| | | 1×300 |
| | | 1×400 |
| | | 1×500 |
| | | 1×630 |
| | | 1×800 |
| | | 1×1000 |
| | | 1×1200 |

■ Type Table

| Product Name | Item Code | Specification |
|---|--|------------------|
| 64/110kV Outdoor Termination with Composite Insulator for 64/110kV XLPE Cable | YJZWY4-64/110kV | 1×240 |
| | | 1×300 |
| | | 1×400 |
| | | 1×500 |
| | | 1×630 |
| | | 1×800 |
| | | 1×1000 |
| | | 1×1200 |
| 64/110kV Pre-Fabricated Dry Outdoor Termination for 64/110kV XLPE Cable | YJZWGG4-64/110kV | 1×240 |
| | | 1×300 |
| | | 1×400 |
| | | 1×500 |
| | | 1×630 |
| | | 1×800 |
| | | 1×1000 |
| | | 1×1200 |
| 64/110kV Dry Insulated GIS Termination for 64/110kV XLPE Cable | YJZGG-64/110kV | 1×240 |
| | | 1×300 |
| | | 1×400 |
| | | 1×500 |
| | | 1×630 |
| | | 1×800 |
| | | 1×1000 |
| | | 1×1200 |
| 64/110kV Pre-Fabricate Insulating Joint/ Straight Through Joint for 64/110kV XLPE Cable | YJTTI2-64/110kV (Straight Joint/ Insulated Joint) | 1×240 |
| | | 1×300 |
| | | 1×400 |
| | | 1×500 |
| | | 1×630 |
| | | 1×800 |
| | | 1×1000 |
| | | 1×1200 |
| Three Phase (four hole) Direct Grounding Box | JX-B4 | 35kV 64/110kV |
| Three Phase (four hole) Protective Grounding Box | JBX-B4 | 35kV 64/110kV |
| Three Phase (four hole) Cross-interconnection Protective Grounding Box (coaxial cable) | JHX-B4 | 35kV 64/110kV |

64/110kV Outdoor Termination with Porcelain Insulator for 64/110kV XLPE Cable



■ Product Introduction

64/110kV (240mm²~1600mm²) XLPE Power cable accessories conform to IEC60840 and GB/T11017.3 requirements. Product design absorbs advanced concepts at home and abroad, the product adopts special electric field analysis software to optimize the design, it ensures uniform electric field, stable performance and reliable operation.

■ Product Model

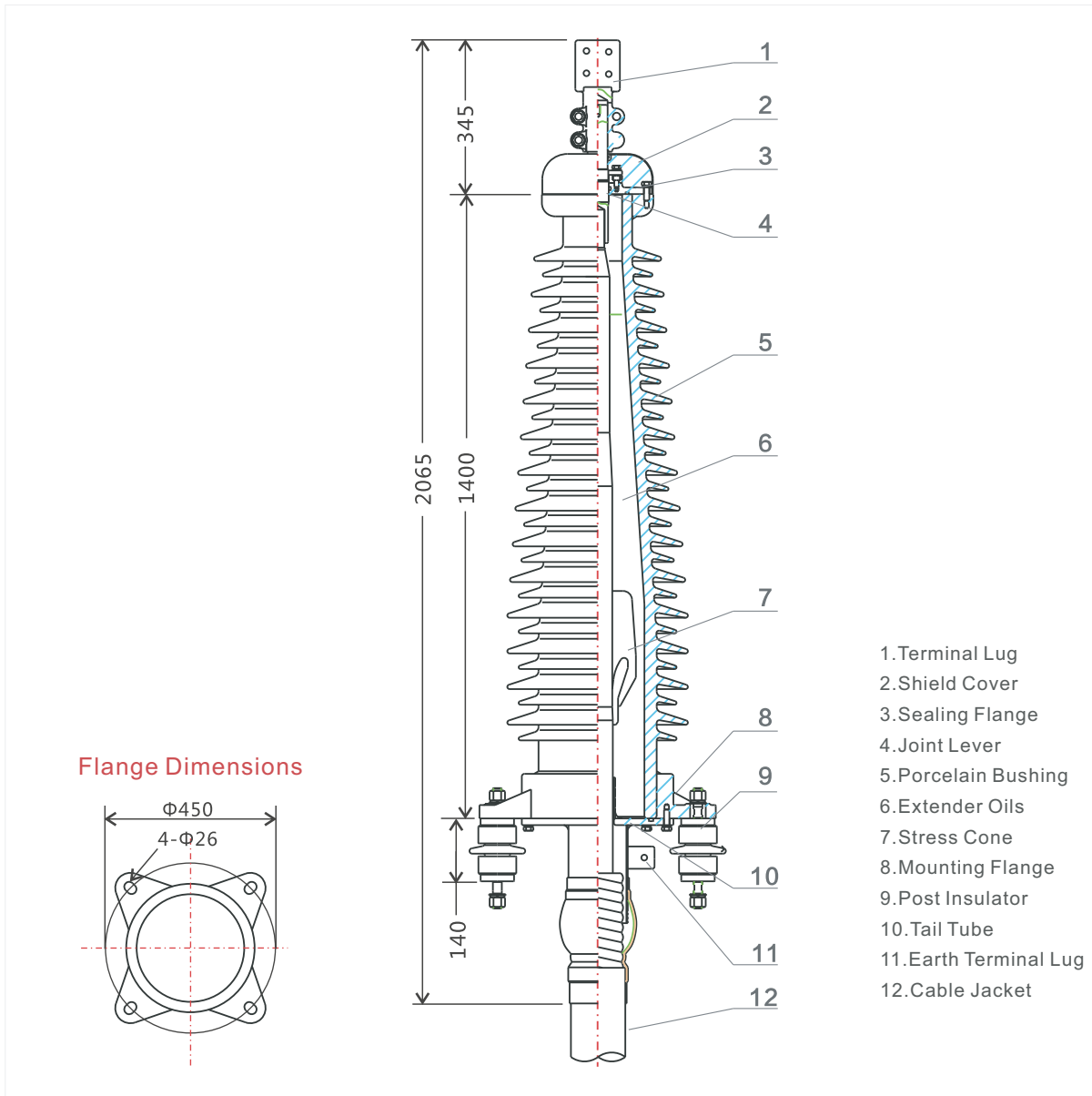
YJ ZW Y 4 64/110 1 mm²

- Cross section of cable conductor
- Rated Voltage
- Grade IV pollution
- Liquid filler (internal insulation)
- Porcelain sleeve type outdoor termination
- Suitable for XLPE insulated cables

■ Product Features

- Porcelain sleeve adopts high Strength Electric Porcelain, It has good weather resistance, leakage resistance and electrical corrosion resistance, especially suitable for coastal areas with severe salt fog and bad natural environment area;
- The structure of large and small rain shed, reasonable design of creepage distance, with good anti Pollution Flashover property, easy to maintain;
- Multiple sealing design structure, avoid flooding, oil leakage and other possible phenomena during installation or operation;
- Prefabricated stress cone is made of high quality imported liquid silicone rubber material with excellent electrical performance;
- All prefabricated stress cones are 100% factory tested as per standard in the factory.

■ Structure Chart



■ Technical specification

| Test Item | Parameters | Test Item | Parameters |
|---------------------------------|--|------------------------------------|---|
| Rated Voltage U_0/U | 64/110kV | Porcelain Bushing | External Insulation |
| Maximum Operating Voltage U_m | 126kV | | Creepage Distance |
| Impulse Voltage Tolerance Level | 550kV | | Mechanical Strength |
| Insulating Filler | Polyisobutene | | Maximum Internal Pressure |
| Conductor connection | Crimping | Pollution Tolerance Level | Grade IV |
| Applicable Ambient Temperature | -40°C~+50°C | Installation Site | Outdoor, Vertical $\pm 15^\circ$ |
| Altitude | $\leq 1000m$ (Should be indicated when exceeds 1000m) | Weight | About 200 kg |
| Product Standard | GB/T11017.3 IEC60840 | Applicable Cable Conductor Section | 240mm ² -1600mm ² |

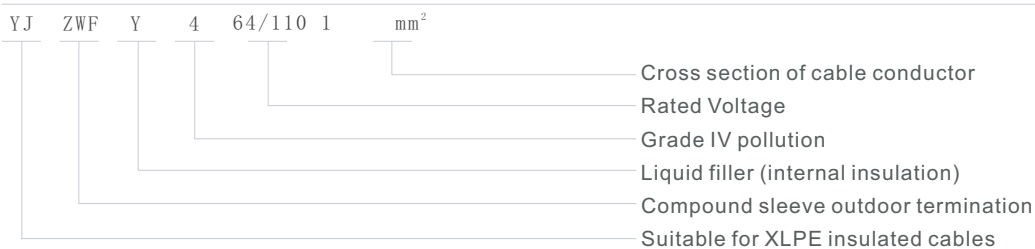
64/110kV Outdoor Termination with Composite Insulator for 64/110kV XLPE Cable



■ Product Introduction

The external insulation of the composite termination is composed of a glass fiber reinforced epoxy resin tube and a silicone rubber rainshed, aluminum alloy flanges with strong corrosion resistance are installed at both ends. It is the best substitute for porcelain covers and has gradually been accepted all over the world.

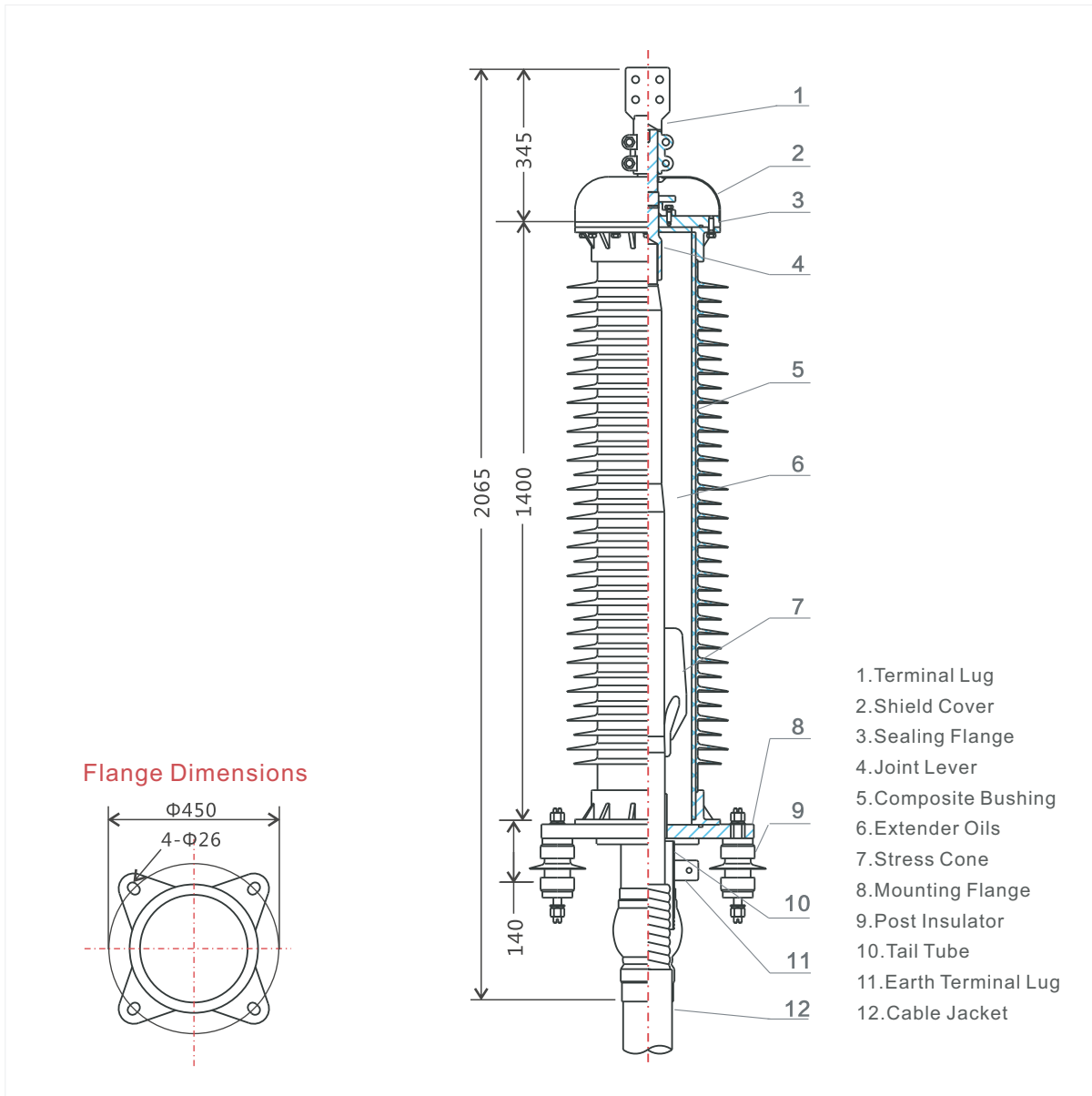
■ Product Model



■ Product Features

- Safety explosion-proof, It won't explode from internal flashover, effectively reduce the risk of failure, and especially suitable for densely populated areas or places with concentrated electrical equipment;
- Silicone rubber has good stain resistance and aging resistance;
- Light weight, about half of the weight of the porcelain sleeve termination, easy to install;
- Good seismic performance;
- Not easy to damage, easy to transport and install, improve efficiency;
- All prefabricated stress cones are 100% factory tested as per standard in the factory.

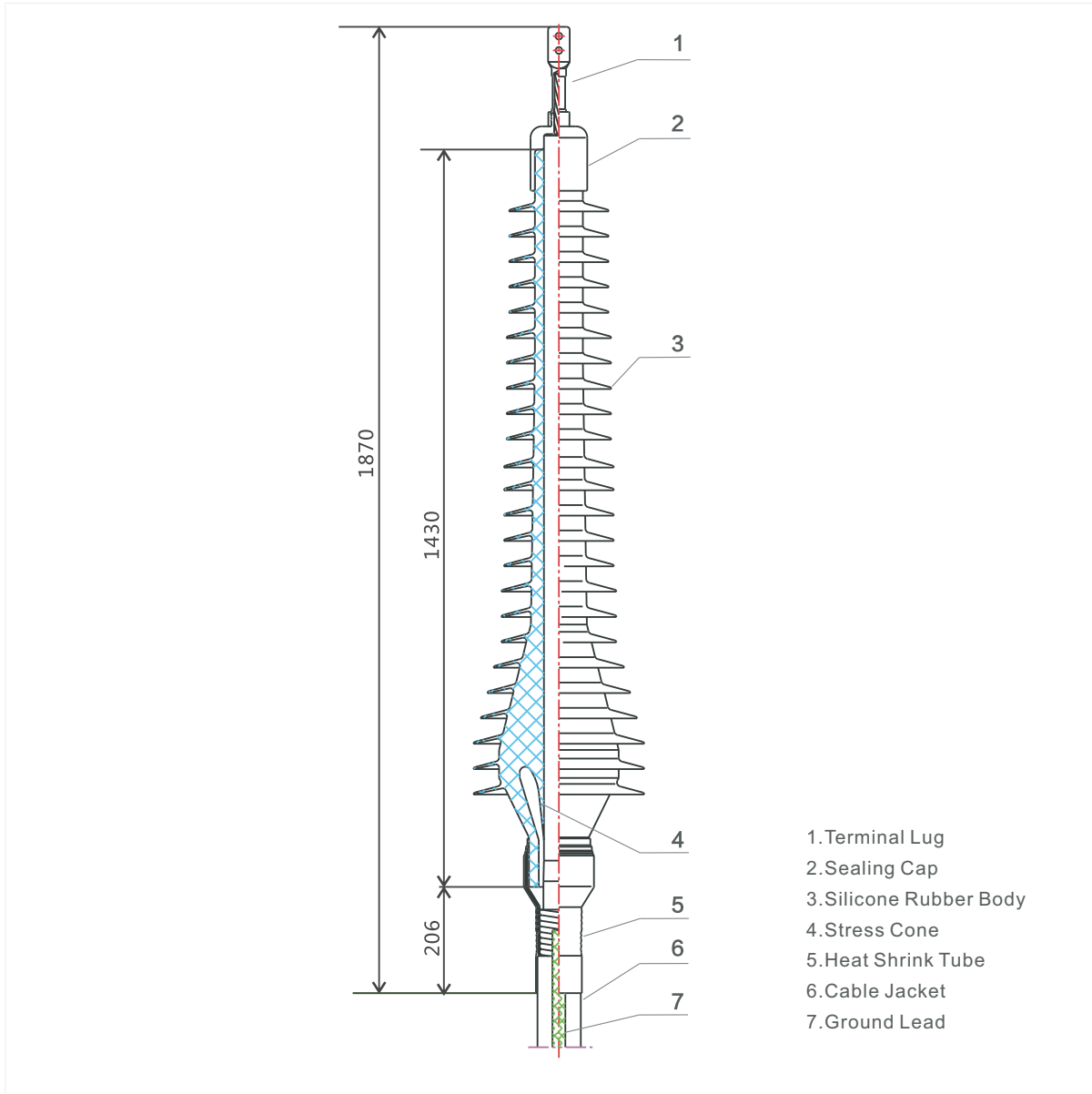
■ Structure Chart



■ Technical specification

| Test Item | Parameters | Test Item | Parameters |
|---------------------------------|--|------------------------------------|---|
| Rated Voltage U_0/U | 64/110kV | Porcelain Bushing | External Insulation |
| Maximum Operating Voltage U_m | 126kV | | Creepage Distance |
| Impulse Voltage Tolerance Level | 550kV | | Mechanical Strength |
| Insulating Filler | Polyisobutene | | Maximum Internal Pressure |
| Conductor connection | Crimping | Pollution Tolerance Level | Grade IV |
| Applicable Ambient Temperature | -40°C~+50°C | Installation Site | Outdoor, Vertical±15° |
| Altitude | ≤1000m (Should be indicated when exceeds 1000m) | Weight | About 200 kg |
| Product Standard | GB/T11017.3 IEC60840 | Applicable Cable Conductor Section | 240mm ² -1600mm ² |

■ Structure Chart



■ Technical specification

| Test Item | Parameters | Test Item | Parameters |
|---------------------------------|--|------------------------------------|--------------------------------------|
| Rated Voltage U_0/U | 64/110kV | The Terminal Body | Integral Prefabricated Dry Structure |
| Maximum Operating Voltage U_m | 126kV | Conductor connection | Crimping |
| Impulse Voltage Tolerance Level | 550kV | Creepage Distance | $\geq 4100\text{mm}$ |
| Applicable Ambient Temperature | $-40^\circ\text{C} \sim +50^\circ\text{C}$ | Pollution Tolerance Level | Grade IV |
| Altitude | $\leq 1000\text{m}$ | Weight | About 25kg |
| Product Standard | GB/T11017.3 IEC60840 | Applicable Cable Conductor Section | $240\text{mm}^2 - 1600\text{mm}^2$ |

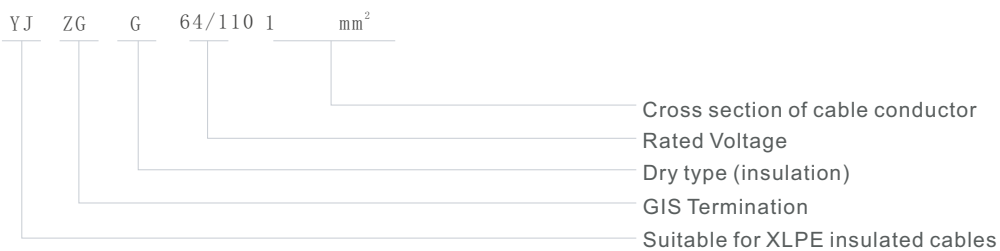
64/110kV Dry Insulated GIS Termination for 64/110kV XLPE Cable



■ Product Introduction

Dry GIS termination adopts the combined structure of stress cone and epoxy tubing, and the prefabricated stress cone surface is close to the inner wall of the epoxy tubing through spring assembly, so as to achieve reasonable interface pressure. It is suitable for installation to SF6 gas insulated switchgear, GIS combined appliances and transformers and other equipment to realize the electrical connection between cables and electrical equipment. The dimensions and supply range of mounting interfaces are in accordance with IEC60859.

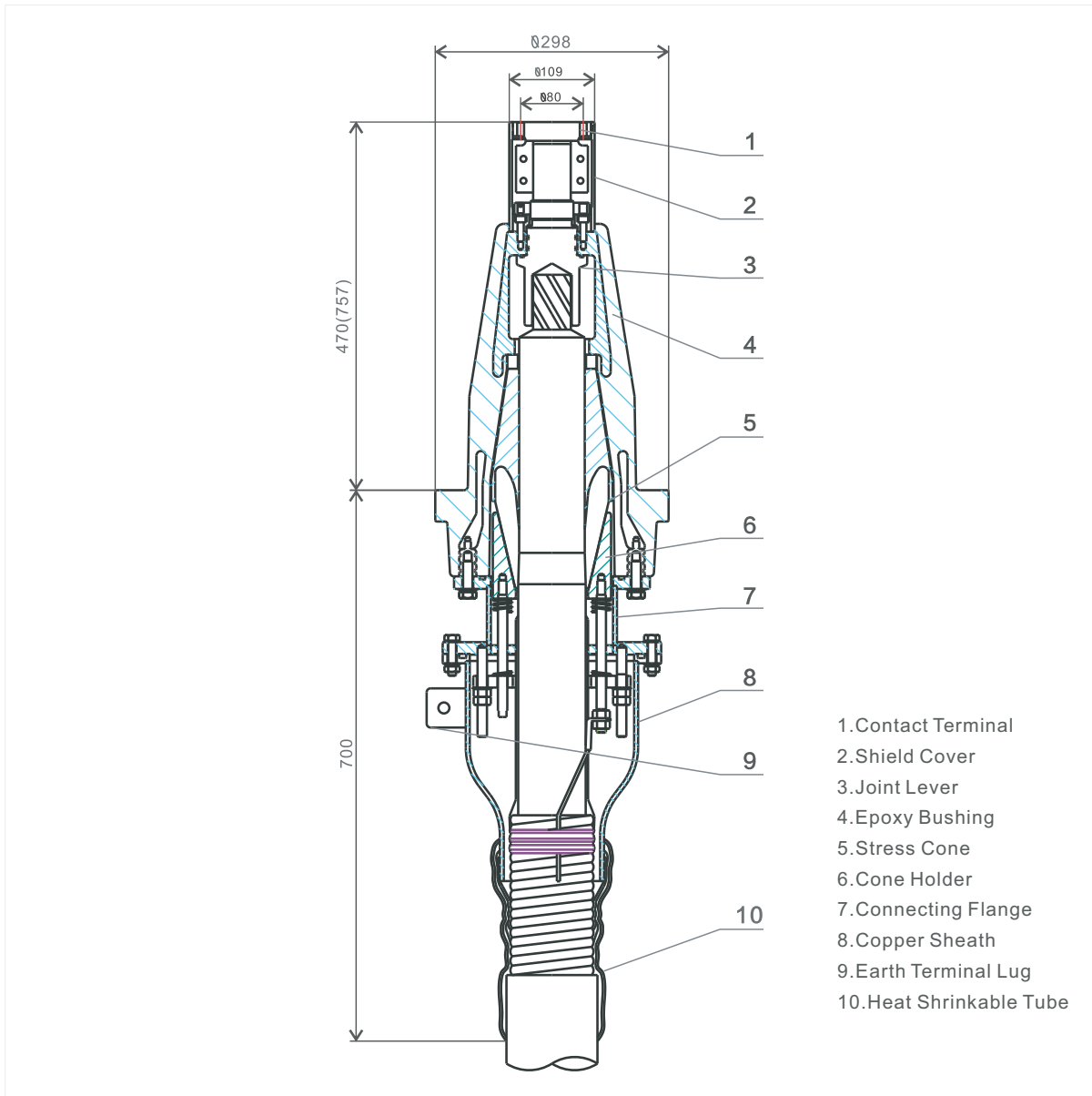
■ Product Model



■ Product Features

- Silicone rubber dry structure, no oil and gas filling, no pollution to the environment;
- The design of stress cone compression spring assembly can provide constant and durable interface pressure to the cone body;
- Compact structure, easy installation, reliable performance;
- All electrical connections and insulating parts of the terminal are placed in the metal shell, fully shielded and maintenance-free;
- Suitable for indoor/outdoor use, because the terminal is not in contact with the atmospheric environment, environmental conditions, pollution level and altitude can be considered unlimited;
- Stress cone and epoxy casing are 100% factory tested as per the factory standard.

■ Structure Chart



■ Technical specification

| Test Item | Parameters | Test Item | Parameters |
|---------------------------------|----------------------|------------------------------------|---|
| Rated Voltage U_0/U | 64/110kV | Height of the Insertion | 757mm or 470mm |
| Maximum Operating Voltage U_m | 126kV | Conductor connection | Crimping |
| Impulse Voltage Tolerance Level | 550kV | Weight | About 60kg |
| Applicable Ambient Temperature | -40°C~+50°C | Applicable Cable Conductor Section | 240mm ² -1600mm ² |
| Product Standard | GB/T11017.3 IEC60840 | | |

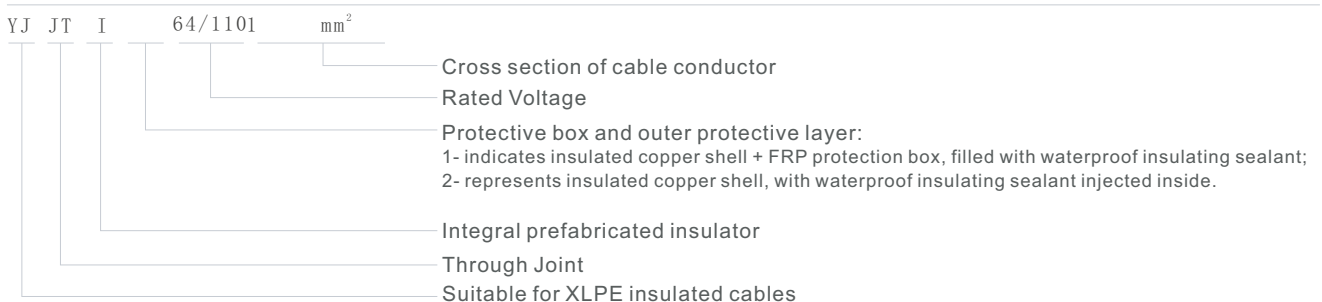
64/110kV Pre-Fabricate Insulating Joint/ Straight Through Joint for 64/110kV XLPE Cable



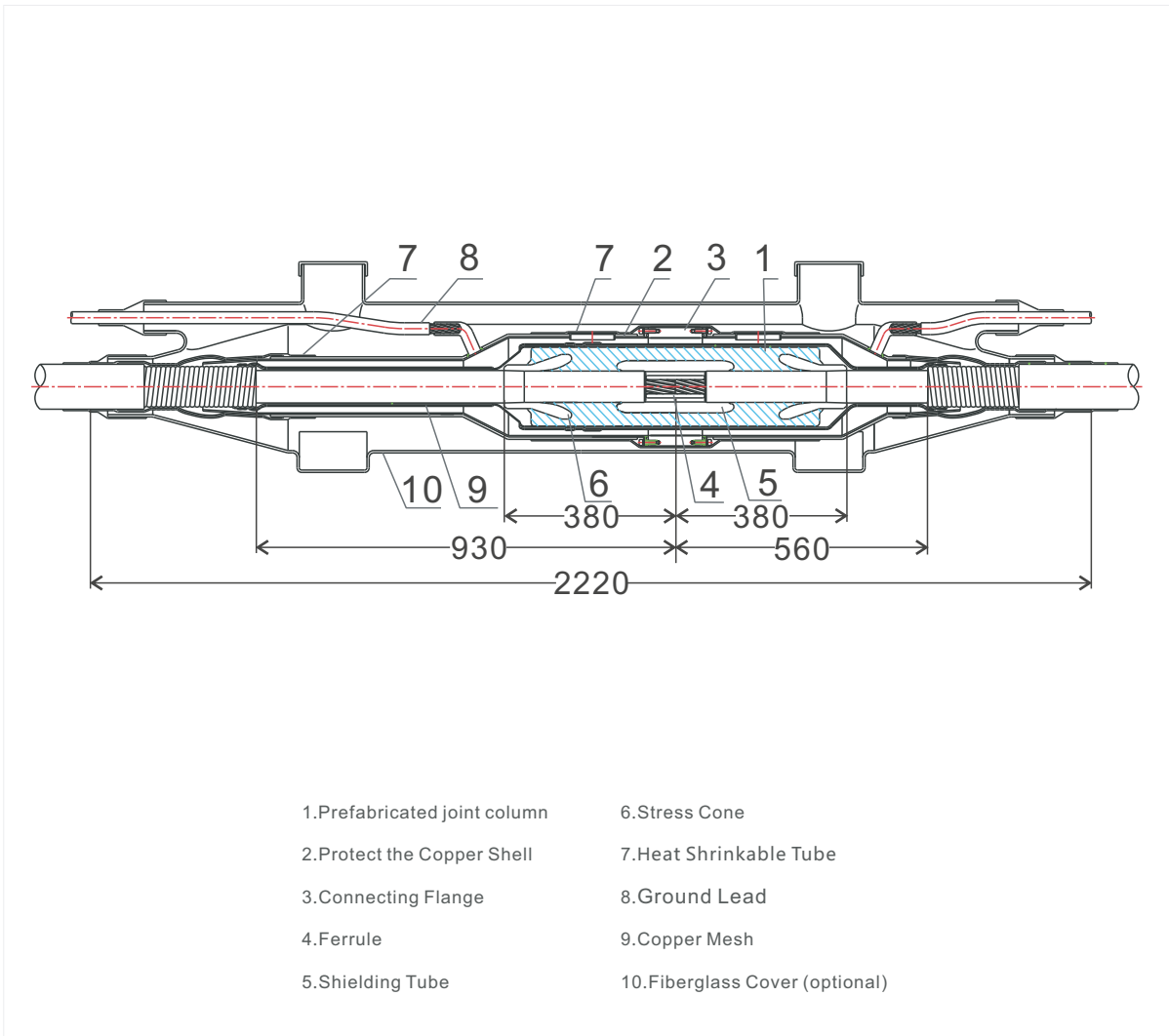
■ Product Features

- The body of joint adopts high quality imported silicone rubber, with high strength, elasticity, tear resistance and excellent heat aging performance;
- The body of joint is a whole prefabricated structure, high pressure shielding, stress cone and insulation injection into one, excellent performance, easy to test, installation;
- The body of joint is analyzed and optimized by finite element software, the field intensity distribution is more reasonable, with high insulation safety margin;
- The difference of the insulation joint and the straight joint is only in the field installation of the shielding treatment, the insulation joint is one end of the insulation, the rest of the shielding, and the straight joint is fully shielded;
- The product adopts completely closed structure, high mechanical strength and sealing performance; The insulated copper shell for joint protection is made of high strength T2 copper, the outer surface molded high density PE material is used for insulation and anti-corrosion, with good mechanical protection and waterproof sealing performance, to ensure long-term, safe and reliable operation of the joint under harsh environment. In addition according to the need can be equipped with FRP protection box;
- Special installation tools make installation more convenient.

■ Product Model



■ Structure Chart



■ Technical specification

| Test Item | Parameters | Test Item | Parameters |
|--|--------------------------|------------------------------------|--|
| Rated Voltage U ₀ /U | 64/110kV | Connector Body | Monolithic Prefabricated Construction |
| Maximum Operating Voltage U _m | 126kV | Protective Casing | PE is applied externally and waterproof sealant is injected internally |
| Impulse Voltage Tolerance Level | 550kV | Insulated Joint, Metal Sheath | a) DC Voltage : 25kV b) Impulse voltage (interphase) : 75kV |
| Conductor connection | Crimping | Weight | About 80kg |
| Product Standard | GB/T11017.3 IEC 60840 | Applicable Cable Conductor Section | 240mm ² -1600mm ² |

Grounding Box



JX Grounding Box



JBX Grounding Protection Box



JHX Cross-connection Box

■ Product Introduction

JX Grounding Box and JBX Grounding Protection Box are suitable for direct grounding or protection grounding of metal protective layer of single core cross-linked cable of high voltage (35kV, 66kV, 110kV, 220kV). The JX Ground Box is used for the direct grounding of the metal cover of the three-phase single-core cable. The JBX Ground Box is used for the protection grounding of the metal cover of the three-phase single-core cable.

JHX Cross Connection Box is suitable for high voltage (35kV, 66kV, 110kV, 220kV) grade of single core cross-linked cable metal protective layer of cross connection protection grounding, It can limit the increase of over-voltage on both sides of metal sheath and insulating joint, It can control the induced voltage of the metal sheath, reduce or eliminate the ring current in the sheath, and improve the transmission capacity of the cable, prevent the cable sheath from being broken down, ensure the safe and reliable operation of the cable.

■ Product Features

- The box body is made of stainless steel, with high mechanical strength and good sealing and waterproof performance;
- T2 copper busbar is used for the internal terminal board, with small contact resistance and excellent conductivity;
- The protective layer protector has reliable performance, which can prevent the over-voltage of the cable protective layer and ensure the normal work of the cable. The protector adopts two sealing and one forming, with good sealing performance;
- The Ground Protection Box and the Cross-interconnection Box can be equipped with a counter, leakage discharge detector, automatically record the discharge times under the action of over-voltage, monitoring the leakage current of the protector;
- Compact structure, easy installation;
- Can be mounted on the wall, can also be directly buried installation, according to user requirements, design and processing of vertical (cabinet) box, installed on the ground;
- Products in the factory according to the standard 100% factory inspection.

Technical Parameter

JX Grounding Box, JBX Grounding Protection Box, and JHX Cross-connection Box

| Test Item | Parameters |
|--|--|
| Direct-current Withstand Voltage Test | 20kV, 1min, No Flashover, No Breakdown |
| Impulse Voltage Test | 40kV, Positive and Negative polarity 10 times each, No Flashover, No Breakdown |
| Executive Standard | DI508 DL509 Gb11032 |
| Insulation Resistance between the connection bar and the shell | $\geq 20M\Omega$ |
| Contact Resistance of the connection bar | $\leq 20\mu\Omega$ |
| Applicable grounding or coaxial cable section | $25mm^2-300mm^2$ |

BHQ series Cable Protector Technical Parameters

| Model | Applicable Cable System Voltage\kV | Effective Value of Rated Voltage\kV | Effective Value of Continuous Operating Voltage\kV | Nominal Discharge Current\kA | Dc Reference Voltage U _{1mA} \kV |
|------------|------------------------------------|-------------------------------------|--|------------------------------|---|
| BHQ- 7/400 | 35、 66、 110 | 2.8 | 2.24 | 10 | ≥ 4.0 |
| BHQ-7/600 | 110、 220 | 2.8 | 2.24 | 10 | ≥ 4.0 |
| BHQ- 7/400 | 110、 220 | 4.0 | 3.2 | 10 | ≥ 5.8 |

| Model | Leakage Current at 0.75U _{1mA} \μA | Residual Voltage of Nominal Discharge Current (peak)\kV | 2ms Square Wave Current (peak)\A | Partial Discharge Power at 1.05U _c \pC | 4/10μs High Current Tolerance\kA |
|------------|---|---|----------------------------------|---|----------------------------------|
| BHQ- 7/400 | ≤ 25 | ≤ 7 | 400 | ≤ 10 | 100 |
| BHQ-7/600 | ≤ 25 | ≤ 7 | 600 | ≤ 10 | 100 |
| BHQ- 7/400 | ≤ 25 | ≤ 10 | 400 | ≤ 10 | 100 |



Overview

Welded cable joint has the characteristics of good waterproof performance, excellent electrical conductivity, reliable insulation performance, and no partial discharge phenomenon, high voltage, small volume, long service life.

It is a cable accessory whose electrical and mechanical properties are closest to the power body. The product passed the test of National Wire and Cable Quality Testing Center and met the requirements of GB/T12706.4 national standard.

Technical specification

| Test Item | Parameters |
|--|--|
| Ac Withstand Voltage(kV/min) | 55/5 |
| Partial Discharge(kV) | 15, Not Detected(Background Interference0.65pc) |
| Impulse Voltage Test(kV) | ±115, 10 times each (95-100°C) |
| Constant Pressure Load Cycle Test(U ₀) | 2.5, 30 cycles in air (8 hours per cycle) |
| Constant Pressure Load Cycle Test(U ₀) | 2.5,60 cycles(8h per cycle)in 1m deep water |
| Conductor Short Circuit Thermal Stability Test(kA) | 43.0/3 seconds, 2 times, No Damage(400mm) |
| Conductor Short Circuit Dynamic Stability Test(kA) | 186.4/10millisecond, 1 time(400mm ²) |



Exothermic welding of conductors

Welding Type Power Cable Joint is a new cable connection mode. It's our company independent research and development, with independent intellectual property rights of power cable connection technology. Welded cable joint has the characteristics of good waterproof performance, excellent electrical conductivity, reliable insulation performance, and no partial discharge phenomenon, high voltage, small volume, long service life. It is a cable accessory whose electrical and mechanical properties are closest to the power body. The product passed the test of National Wire and Cable Quality Testing Center and met the requirements of GB/T12706.4 national standard.



Restore cable insulation layer by welding



Restore the semi-conductive layer

Weld type power cable joint, the conductor connection adopts aluminum exothermic welding, so that the conductor is welded together completely, so that the cable restores its original structure, does not change the original characteristics of the cable, the service life of mechanical and electrical performance is equivalent to the original cable.

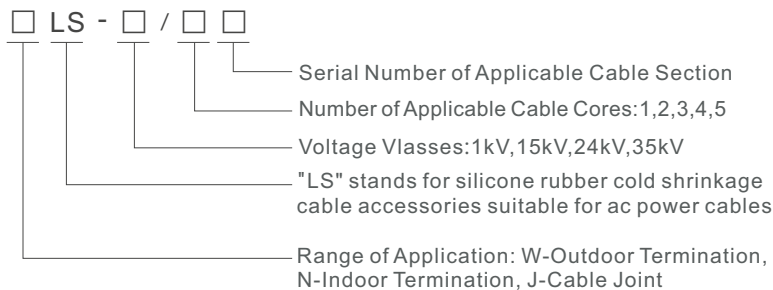
Type Table

| Product Name | Item Code | Applicable Cable Section |
|---|------------|--------------------------|
| 10kV Three Cores Welding Type Cable Joint | JMM-15/3.1 | 25 35 50 |
| | JMM-15/3.2 | 70 95 120 |
| | JMM-15/3.3 | 150 185 240 |
| | JMM-15/3.4 | 300 400 500 |
| 10kV Single Core Welding Type Cable Joint | JMM-15/1.1 | 25 35 50 |
| | JMM-15/1.2 | 70 95 120 |
| | JMM-15/1.3 | 150 185 240 |
| | JMM-15/1.4 | 300 400 500 |

Overview

Rubber is known to have "elastic memory" properties, like a spring. Cold shrinkage technology, also known as pre-expansion technology, the elastic rubber in the elastic range of pre-support, set into the plastic support strip to be fixed. When installing, as long as the support strip is removed, the elastic body rapidly shrinks and tightens on the cable body. The cold shrinkage products manufactured by our company are all bonded with special sealing adhesive to make the overall sealing and avoid operation accidents caused by atmospheric environment. The silicone rubber used for raw materials has excellent insulation and high resilience, and will not cause electrical breakdown due to the breathing action of the cable during operation after installation. The products are widely used in electric power industry, communication industry, military industry, metallurgy, coal mining, petrochemical industry and other fields.

Product Model

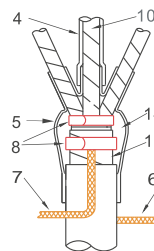
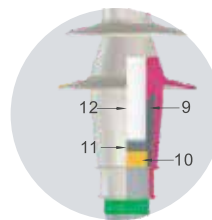
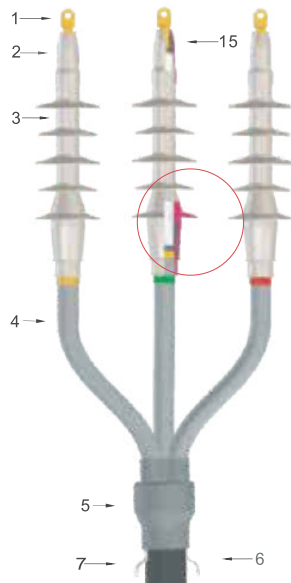


Noted: Serial Number of Cable Section:

- "0": 10-16mm²
- "1": 25-50mm²
- "2": 70-120mm²
- "3": 150-240mm²
- "4": 300-500mm²

Example: "WLS-15/3.1" stands for 15kV outdoor cold shrinkage terminal, suitable for three-cores cable with a section of 25-50mm²

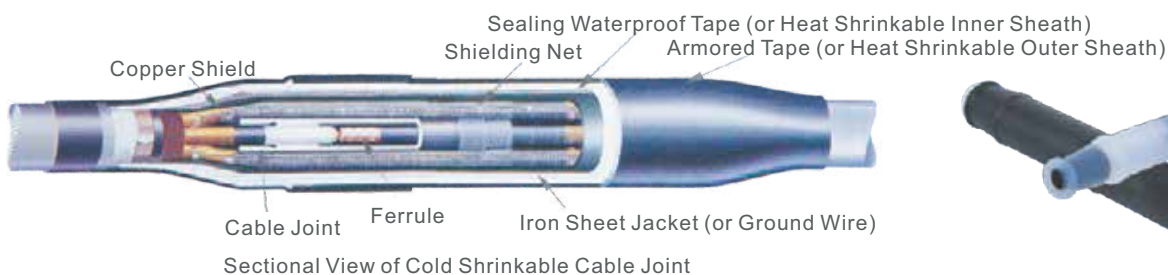
Structure Drawing of 10kV Three Cores Shrinkage Termination



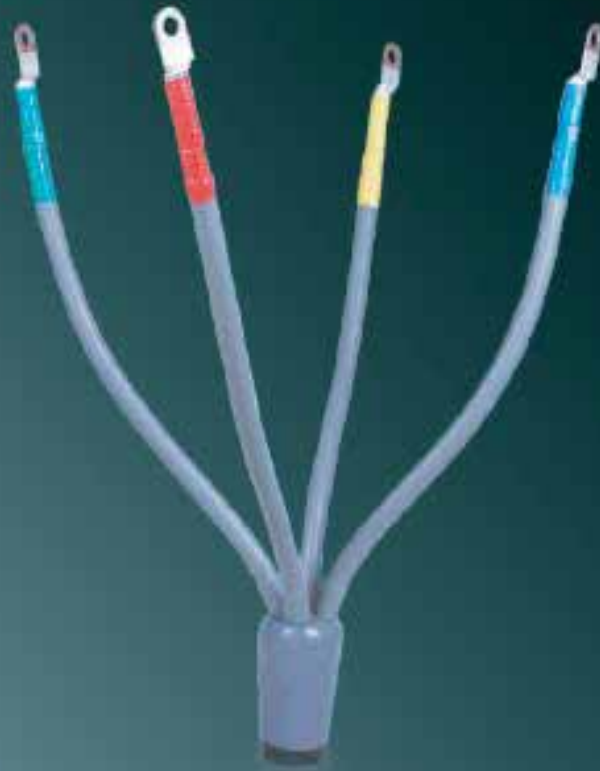
1. Terminal Lug
2. Sealing Tube
3. Terminal Tube
4. Jacket Tube
5. Breakout
6. Shielding Ground Wire
7. Steel-armoured ground Wire
8. Constant Force Spring
9. Stress Cone
10. Copper Shielding Layer
11. Semi-conductive Layer
12. Insulating Layer
13. Armor Layer
14. Filler Adhesive
15. Rubber Self-adhesive Tape

Product Features

- Full shrinkage automatic reset technology, installation without special tools, construction and installation is simple and quick;
- No open flame, no heating, safe and reliable;
- The cable body has persistent radial pressure, good sealing and waterproof, to ensure long-term reliable operation.



1kV Cold Shrinkage Cable Accessories



■ Range of Application

Suitable for 0.6/1kV, XLPE, Rubber insulated Single Core, Two Cores, Three Cores, Four Cores, Five Cores power cables.

■ Technical specification

| Test item | Parameters |
|--|------------|
| Wet Power Frequency Withstand Voltage Test | 4kV/1min |
| 4h Power Frequency Withstand Voltage Test | 2.4kV/4h |

■ Type Table

| Product Name | Item Code | Applicable Cable Section(mm ²) | Product Name | Item Code | Applicable Cable Section(mm ²) |
|-------------------------|-----------|--|----------------------------|-----------|--|
| Single Core Termination | LS-1/1.0 | 10-16 | Single Core Straight Joint | JLS-1/1.0 | 10-16 |
| | LS-1/1.1 | 25-50 | | JLS-1/1.1 | 25-50 |
| | LS-1/1.2 | 70-120 | | JLS-1/1.2 | 70-120 |
| | LS-1/1.3 | 150-240 | | JLS-1/1.3 | 150-240 |
| | LS-1/1.4 | 300-400 | | JLS-1/1.4 | 300-400 |
| Two Cores Termination | LS-1/2.0 | 10-16 | Two Cores Straight Joint | JLS-1/2.0 | 10-16 |
| | LS-1/2.1 | 25-50 | | JLS-1/2.1 | 25-50 |
| | LS-1/2.2 | 70-120 | | JLS-1/2.2 | 70-120 |
| | LS-1/2.3 | 150-240 | | JLS-1/2.3 | 150-240 |
| | LS-1/2.4 | 300-400 | | JLS-1/2.4 | 300-400 |
| Three Cores Termination | LS-1/3.0 | 10-16 | Three Cores Straight Joint | JLS-1/3.0 | 10-16 |
| | LS-1/3.1 | 25-50 | | JLS-1/3.1 | 25-50 |
| | LS-1/3.2 | 70-120 | | JLS-1/3.2 | 70-120 |
| | LS-1/3.3 | 150-240 | | JLS-1/3.3 | 150-240 |
| | LS-1/3.4 | 300-400 | | JLS-1/3.4 | 300-400 |
| Four Cores Termination | LS-1/4.0 | 10-16 | Four Cores Straight Joint | JLS-1/4.0 | 10-16 |
| | LS-1/4.1 | 25-50 | | JLS-1/4.1 | 25-50 |
| | LS-1/4.2 | 70-120 | | JLS-1/4.2 | 70-120 |
| | LS-1/4.3 | 150-240 | | JLS-1/4.3 | 150-240 |
| | LS-1/4.4 | 300-400 | | JLS-1/4.4 | 300-400 |
| Five Cores Termination | LS-1/5.0 | 10-16 | Five Cores Straight Joint | JLS-1/5.0 | 10-16 |
| | LS-1/5.1 | 25-50 | | JLS-1/5.1 | 25-50 |
| | LS-1/5.2 | 70-120 | | JLS-1/5.2 | 70-120 |
| | LS-1/5.3 | 150-240 | | JLS-1/5.3 | 150-240 |
| | LS-1/5.4 | 300-400 | | JLS-1/5.4 | 300-400 |

10KV(15KV)Cold Shrinkage Cable Accessories



10kV Cold Shrinkable Three Cores Indoor Termination



10kV Cold Shrinkable Three Cores Outdoor Termination

■ Range of Application

Suitable for 8.7/10kV, XLPE insulated Single Core, Three Cores power cables.

■ Technical specification

| Test item | Parameters |
|--|------------------------------------|
| Wet Power Frequency Withstand Voltage Test (Outdoor) | 35kV/1min |
| Dry Power Frequency Withstand Voltage Test (Indoor) | 39kV/5min |
| Impact Pressure Test | 95kV 1.2/50 μ s+10 times |
| Partial Discharge Test | ≤ 10 pc (1.73U ₀) |

■ Type Table

| Product Name | Item Code | Applicable Cable Section(mm ²) | Product Name | Item Code | Applicable Cable Section(mm ²) |
|---------------------------------|------------|--|---------------------------------|------------|--|
| Single Core Indoor Termination | NLS-15/1.1 | 25-50 | Three Cores Indoor Termination | NLS-15/3.1 | 25-50 |
| | NLS-15/1.2 | 70-120 | | NLS-15/3.2 | 70-120 |
| | NLS-15/1.3 | 150-240 | | NLS-15/3.3 | 150-240 |
| | NLS-15/1.4 | 300-400 | | NLS-15/3.4 | 300-400 |
| | NLS-15/1.5 | 500-630 | | NLS-15/3.5 | 500-630 |
| Single Core Outdoor Termination | WLS-15/1.1 | 25-50 | Three Cores Outdoor Termination | WLS-15/3.1 | 25-50 |
| | WLS-15/1.2 | 70-120 | | WLS-15/3.2 | 70-120 |
| | WLS-15/1.3 | 150-240 | | WLS-15/3.3 | 150-240 |
| | WLS-15/1.4 | 300-400 | | WLS-15/3.4 | 300-400 |
| | WLS-15/1.5 | 500-630 | | WLS-15/3.5 | 500-630 |
| Single Core Straight Joint | JLS-15/1.1 | 25-50 | Three Cores Straight Joint | JLS-15/3.1 | 25-50 |
| | JLS-15/1.2 | 70-120 | | JLS-15/3.2 | 70-120 |
| | JLS-15/1.3 | 150-240 | | JLS-15/3.3 | 150-240 |
| | JLS-15/1.4 | 300-400 | | JLS-15/3.4 | 300-400 |
| | JLS-15/1.5 | 500-630 | | JLS-15/3.5 | 500-630 |

20KV(24KV)Cold Shrinkage Cable Accessories



■ Range of Application

Suitable for 12/20(24)kV, XLPE insulated Single Core, Three Cores power cables.

■ Technical specification

| Test item | Parameters |
|--|-----------------------------------|
| Wet Power Frequency Withstand Voltage Test (Outdoor) | 48KV (72KV) /1min |
| Dry Power Frequency Withstand Voltage Test (Indoor) | 54KV (81KV) /1min |
| Impact Pressure Test | 125kV 1.2/50 μ s+10times |
| Partial Discharge Test | \leq 10pc (1.73U ₀) |

■ Type Table

| Product Name | Item Code | Applicable Cable Section(mm ²) | Product Name | Item Code | Applicable Cable Section(mm ²) |
|---------------------------------|------------|--|---------------------------------|------------|--|
| Single Core Indoor Termination | NLS-24/1.1 | 25-50 | Three Cores Indoor Termination | NLS-24/3.1 | 25-50 |
| | NLS-24/1.2 | 70-120 | | NLS-24/3.2 | 70-120 |
| | NLS-24/1.3 | 150-240 | | NLS-24/3.3 | 150-240 |
| | NLS-24/1.4 | 300-400 | | NLS-24/3.4 | 300-400 |
| | NLS-24/1.5 | 500-630 | | NLS-24/3.5 | 500-630 |
| Single Core Outdoor Termination | WLS-24/1.1 | 25-50 | Three Cores Outdoor Termination | WLS-24/3.1 | 25-50 |
| | WLS-24/1.2 | 70-120 | | WLS-24/3.2 | 70-120 |
| | WLS-24/1.3 | 150-240 | | WLS-24/3.3 | 150-240 |
| | WLS-24/1.4 | 300-400 | | WLS-24/3.4 | 300-400 |
| | WLS-24/1.5 | 500-630 | | WLS-24/3.5 | 500-630 |
| Single Core Straight Joint | JLS-24/1.1 | 25-50 | Three Cores Straight Joint | JLS-24/3.1 | 25-50 |
| | JLS-24/1.2 | 70-120 | | JLS-24/3.2 | 70-120 |
| | JLS-24/1.3 | 150-240 | | JLS-24/3.3 | 150-240 |
| | JLS-24/1.4 | 300-400 | | JLS-24/3.4 | 300-400 |
| | JLS-24/1.5 | 500-630 | | JLS-24/3.5 | 500-630 |

35kV Cold Shrinkage Cable Accessories



35kV Cold Shrinkable Three Cores Outdoor Termination



35kV Cold Shrinkable Single Core Outdoor Termination

■ Range of Application

Suitable for 21/35kV, 26/35kV XLPE insulated Single Core, Three Cores power cables.

■ Technical specification

| Test item | Parameters |
|--|------------------------------------|
| Wet Power Frequency Withstand Voltage Test (Outdoor) | 104kV/1min |
| Dry Power Frequency Withstand Voltage Test (Indoor) | 117kV/5min |
| Impact Pressure Test | 250kV 1.2/50 μ s+10 times |
| Partial Discharge Test | ≤ 10 pc (1.73U ₀) |

■ Type Table

| Product Name | Item Code | Applicable Cable Section(mm ²) |
|---------------------------------|------------|--|
| Single Core Indoor Termination | NLS-35/1.1 | 35-120 |
| | NLS-35/1.2 | 150-240 |
| | NLS-35/1.3 | 300-500 |
| | NLS-35/1.4 | 630 |
| Single Core Outdoor Termination | WLS-35/1.1 | 35-120 |
| | WLS-35/1.2 | 150-240 |
| | WLS-35/1.3 | 300-500 |
| | WLS-35/1.4 | 630 |
| Single Core Straight Joint | JLS-35/1.1 | 35-120 |
| | JLS-35/1.2 | 150-240 |
| | JLS-35/1.3 | 300-500 |
| | JLS-35/1.4 | 630 |
| Three Cores Indoor Termination | NLS-35/3.1 | 35-120 |
| | NLS-35/3.2 | 150-240 |
| | NLS-35/3.3 | 300-500 |
| Three Cores Outdoor Termination | WLS-35/3.1 | 35-120 |
| | WLS-35/3.2 | 150-240 |
| | WLS-35/3.3 | 300-500 |
| Three Cores Straight Joint | JLS-35/3.1 | 35-120 |
| | JLS-35/3.2 | 150-240 |
| | JLS-35/3.3 | 300-500 |

1kV Heat Shrinkage Cable Accessories



■ Range of Application

Suitable for 0.6/1kV, XLPE, Rubber insulated Single Core, Two Cores, Three Cores, Four Cores, Five Cores power cables.

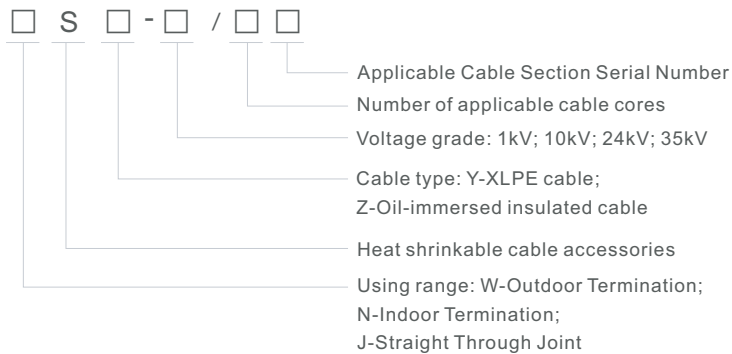
■ Technical specification

| Test item | Parameters |
|--|------------|
| Wet Power Frequency Withstand Voltage Test | 4kV/1min |
| Power Frequency Withstand Voltage Test | 2.4kV/4h |

Overview

The production of heat-shrinkable cable accessories needs to go through a series of processes such as Mixing → Forming → Irradiation → Expansion → Gluing. Shape memory effect of polymer materials is the basic principle of fabricating heat-shrinkable materials. The characteristics of the polymer material itself give the heat shrinkable cable accessories with good electrical and mechanical properties, light weight, easy installation and other advantages. The product is waterproof, stress control, shielding, insulation in one, can be used in a variety of harsh environmental conditions for a long time. Widely used in Electric Power Industry, Petroleum Industry, Chemical Industry, Metallurgy, Railway, Port, Construction and other fields.

Product Model



Number of Applicable Cable Cores: 1,2,3,4,5

Noted: Serial Number of Cable Section:

"0": 10-16mm²

"1": 25-50mm²

"2": 70-120mm²

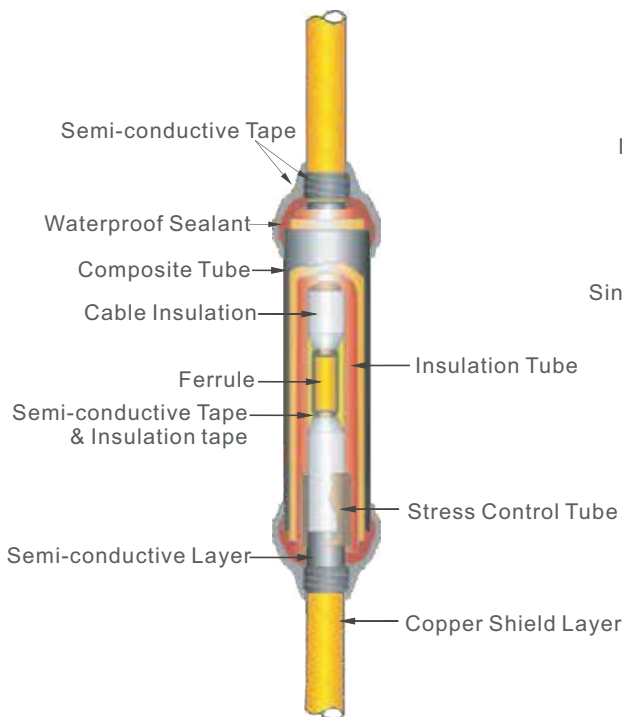
"3": 150-240mm²

"4": 300-500mm²

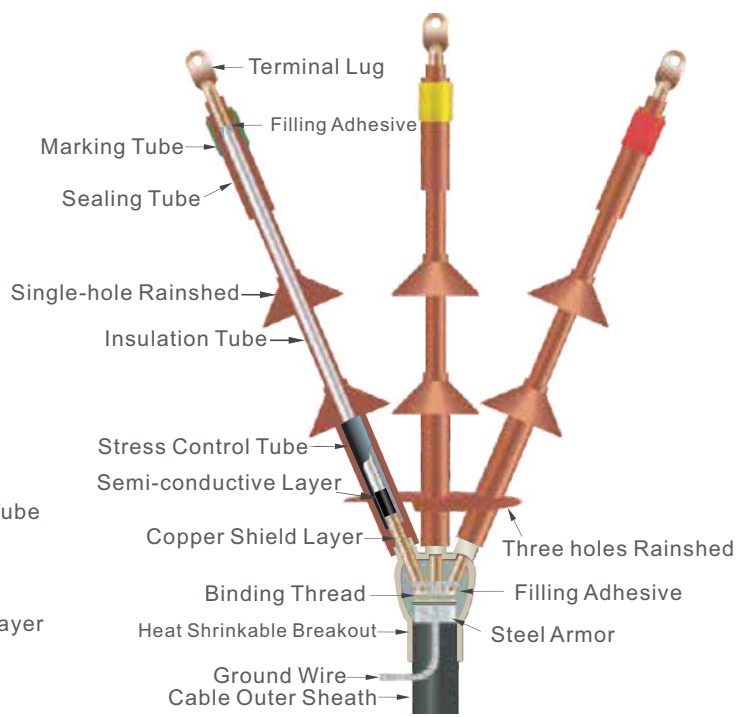
Example: "WSY-10/3.1" stands for 10kV outdoor heat shrinkage termination, suitable for three-cores cable with a section of 25-50mm²

Product Features

The product is waterproof, stress control, shielding, insulation in one, can be used in a variety of harsh environmental conditions for a long time, with good electrical and mechanical properties, light weight, easy installation and other advantages. Widely used in Electric Power Industry, Petroleum Industry, Chemical Industry, Metallurgy, Railway, Port, Construction and other fields.



Heat Shrinkable Power Cable Joint Structure Drawing



Three Cores Heat Shrinkable Termination Structure Drawing

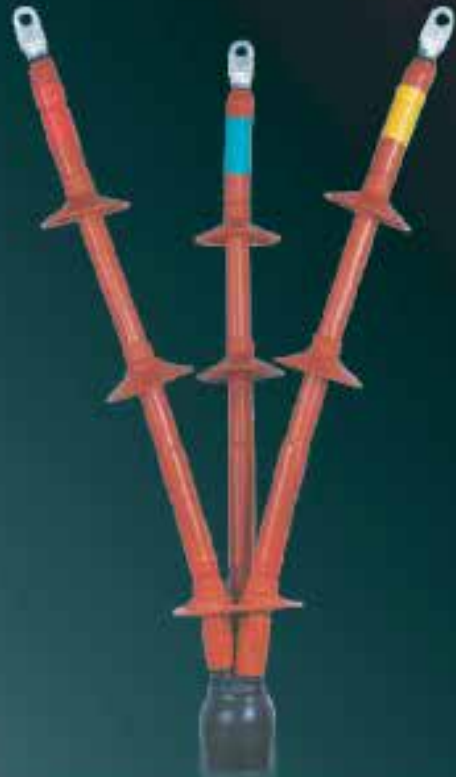
■ Type Table

| Product Name | Item Code | Applicable Cable Section(mm ²) | Product Name | Item Code | Applicable Cable Section(mm ²) |
|-------------------------------|-----------|--|----------------------------|-----------|--|
| Single Core Cable Termination | SY-1/1.0 | 10-16 | Single Core Straight Joint | JSY-1/1.0 | 10-16 |
| | SY-1/1.1 | 25-50 | | JSY-1/1.1 | 25-50 |
| | SY-1/1.2 | 70-120 | | JSY-1/1.2 | 70-120 |
| | SY-1/1.3 | 150-240 | | JSY-1/1.3 | 150-240 |
| | SY-1/1.4 | 300-500 | | JSY-1/1.4 | 300-500 |
| Two Cores Cable Termination | SY-1/2.0 | 10-16 | Two Cores Straight Joint | JSY-1/2.0 | 10-16 |
| | SY-1/2.1 | 25-50 | | JSY-1/2.1 | 25-50 |
| | SY-1/2.2 | 70-120 | | JSY-1/2.2 | 70-120 |
| | SY-1/2.3 | 150-240 | | JSY-1/2.3 | 150-240 |
| | SY-1/2.4 | 300-500 | | JSY-1/2.4 | 300-500 |
| Three Cores Cable Termination | SY-1/3.0 | 10-16 | Three Cores Straight Joint | JSY-1/3.0 | 10-16 |
| | SY-1/3.1 | 25-50 | | JSY-1/3.1 | 25-50 |
| | SY-1/3.2 | 70-120 | | JSY-1/3.2 | 70-120 |
| | SY-1/3.3 | 150-240 | | JSY-1/3.3 | 150-240 |
| | SY-1/3.4 | 300-500 | | JSY-1/3.4 | 300-500 |
| Four Cores Cable Termination | SY-1/4.0 | 10-16 | Four Cores Straight Joint | JSY-1/4.0 | 10-16 |
| | SY-1/4.1 | 25-50 | | JSY-1/4.1 | 25-50 |
| | SY-1/4.2 | 70-120 | | JSY-1/4.2 | 70-120 |
| | SY-1/4.3 | 150-240 | | JSY-1/4.3 | 150-240 |
| | SY-1/4.4 | 300-500 | | JSY-1/4.4 | 300-500 |
| Five Cores Cable Termination | SY-1/5.0 | 10-16 | Five Cores Straight Joint | JSY-1/5.0 | 10-16 |
| | SY-1/5.1 | 25-50 | | JSY-1/5.1 | 25-50 |
| | SY-1/5.2 | 70-120 | | JSY-1/5.2 | 70-120 |
| | SY-1/5.3 | 150-240 | | JSY-1/5.3 | 150-240 |
| | SY-1/5.4 | 300-500 | | JSY-1/5.4 | 300-500 |

10kV Heat Shrinkage Cable Accessories



10kV Heat Shrinkable Three Cores Indoor Termination



10kV Heat Shrinkable Three Cores Outdoor Termination

■ Range of Application

Suitable for 6/10kV, 8.7/10kV, XLPE insulated Single Core, Three Cores power cables.

■ Technical specification

| Test item | Parameters |
|--|------------------------------------|
| Wet Power Frequency Withstand Voltage Test (Outdoor) | 35kV/1min |
| Dry Power Frequency Withstand Voltage Test (Indoor) | 39kV/5min |
| Impact Pressure Test | 95kV 1.2/50 μ s+10 times |
| Partial Discharge Test | ≤ 10 pc (1.73U ₀) |

■ Type Table

| Product Name | Item Code | Applicable Cable Section(mm ²) |
|---|------------|--|
| Single Core Indoor Termination | NSY-10/1.1 | 25-50 |
| | NSY-10/1.2 | 70-120 |
| | NSY-10/1.3 | 150-240 |
| | NSY-10/1.4 | 300-500 |
| Single Core Outdoor Termination | WSY-10/1.1 | 25-50 |
| | WSY-10/1.2 | 70-120 |
| | WSY-10/1.3 | 150-240 |
| | WSY-10/1.4 | 300-500 |
| Single Core Straight Joint | JSY-10/1.1 | 25-50 |
| | JSY-10/1.2 | 70-120 |
| | JSY-10/1.3 | 150-240 |
| | JSY-10/1.4 | 300-500 |
| Three Cores Indoor Termination | NSY-10/3.1 | 25-50 |
| | NSY-10/3.2 | 70-120 |
| | NSY-10/3.3 | 150-240 |
| | NSY-10/3.4 | 300-500 |
| Three Cores Outdoor Termination | WSY-10/3.1 | 25-50 |
| | WSY-10/3.2 | 70-120 |
| | WSY-10/3.3 | 150-240 |
| | WSY-10/3.4 | 300-500 |
| Three Cores Straight Joint | JSY-10/3.1 | 25-50 |
| | JSY-10/3.2 | 70-120 |
| | JSY-10/3.3 | 150-240 |
| | JSY-10/3.4 | 300-500 |
| Three Cores Indoor Oil Immersion Termination | NSZ-10/3.1 | 25-50 |
| | NSZ-10/3.2 | 70-120 |
| | NSZ-10/3.3 | 150-240 |
| | NSZ-10/3.4 | 300-500 |
| Three Cores Outdoor Oil Immersion Termination | WSZ-10/3.1 | 25-50 |
| | WSZ-10/3.2 | 70-120 |
| | WSZ-10/3.3 | 150-240 |
| | WSZ-10/3.4 | 300-500 |
| Three Cores Oil Immersion Straight Joint | JSZ-10/3.1 | 25-50 |
| | JSZ-10/3.2 | 70-120 |
| | JSZ-10/3.3 | 150-240 |
| | JSZ-10/3.4 | 300-500 |

20kV(24kV) Heat Shrinkage Cable Accessories



■ Range of Application

Suitable for 12/20kV, 18/20kV XLPE Insulated Single Core, Three Cores power cables.

■ Technical specification

| Test item | Parameters |
|--|-----------------------------------|
| Wet Power Frequency Withstand Voltage Test (Outdoor) | 48KV(72KV)/1min |
| Dry Power Frequency Withstand Voltage Test (Indoor) | 54KV(81KV)/1min |
| Impact Pressure Test | 125kV 1.2/50 μ s + 10 times |
| Partial Discharge Test | ≤ 10 pc(1.73U ₀) |

■ Type Table

| Product Name | Item Code | Applicable Cable Section(mm ²) |
|---------------------------------|------------|--|
| Single Core Indoor Termination | NSY-24/1.1 | 25-50 |
| | NSY-24/1.2 | 70-120 |
| | NSY-24/1.3 | 150-240 |
| | NSY-24/1.4 | 300-500 |
| Single Core Outdoor Termination | WSY-24/1.1 | 25-50 |
| | WSY-24/1.2 | 70-120 |
| | WSY-24/1.3 | 150-240 |
| | WSY-24/1.4 | 300-500 |
| Single Core Straight Joint | JSY-24/1.1 | 25-50 |
| | JSY-24/1.2 | 70-120 |
| | JSY-24/1.3 | 150-240 |
| | JSY-24/1.4 | 300-500 |
| Three Cores Indoor Termination | NSY-24/3.1 | 25-50 |
| | NSY-24/3.2 | 70-120 |
| | NSY-24/3.3 | 150-240 |
| | NSY-24/3.4 | 300-500 |
| Three Cores Outdoor Termination | WSY-24/3.1 | 25-50 |
| | WSY-24/3.2 | 70-120 |
| | WSY-24/3.3 | 150-240 |
| | WSY-24/3.4 | 300-500 |
| Three Cores Straight Joint | JSY-24/3.1 | 25-50 |
| | JSY-24/3.2 | 70-120 |
| | JSY-24/3.3 | 150-240 |
| | JSY-24/3.4 | 300-500 |

35kV Heat Shrinkage Cable Accessories



35kV heat shrinkable three cores indoor termination



35kV heat shrinkable three cores outdoor termination

■ Range of Application

Suitable for 21/35kV, 26/35kV XLPE insulated Single Core, Three Cores power cables.

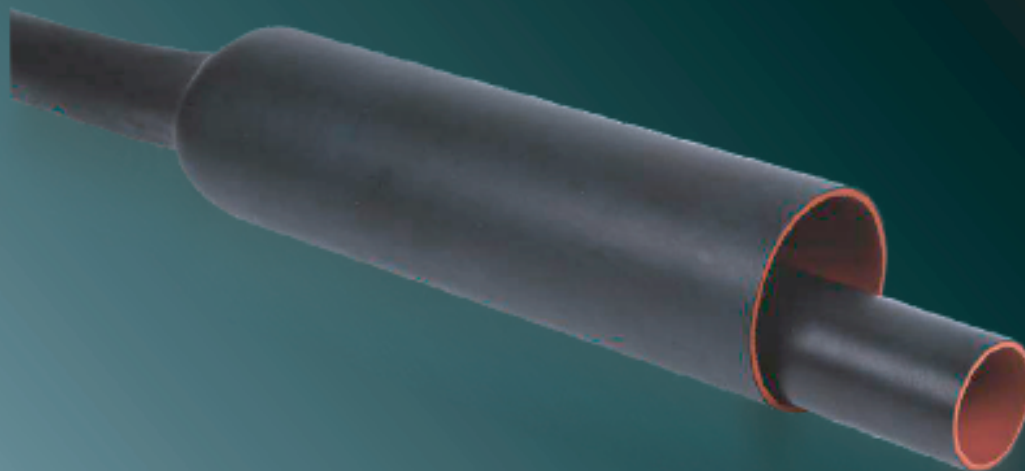
■ Technical specification

| Test item | Parameters |
|--|------------------------------------|
| Wet Power Frequency Withstand Voltage Test (Outdoor) | 104kV/1min |
| Dry Power Frequency Withstand Voltage Test (Indoor) | 117kV/5min |
| Impact Pressure Test | 250kV 1.2/50 μ s+10 times |
| Partial Discharge Test | ≤ 10 pc (1.73U ₀) |

■ Type Table

| Product Name | Item Code | Applicable Cable Section(mm ²) |
|---------------------------------|------------|--|
| Single Core Indoor Termination | NSY-35/1.1 | 50-120 |
| | NSY-35/1.2 | 150-240 |
| | NSY-35/1.3 | 300-500 |
| Single Core Outdoor Termination | WSY-35/1.1 | 50-120 |
| | WSY-35/1.2 | 150-240 |
| | WSY-35/1.3 | 300-500 |
| Single Core Straight Joint | JSY-35/1.1 | 50-120 |
| | JSY-35/1.2 | 150-240 |
| | JSY-35/1.3 | 300-500 |
| Three Cores Indoor Termination | NSY-35/3.1 | 50-120 |
| | NSY-35/3.2 | 150-240 |
| | NSY-35/3.3 | 300-500 |
| Three Cores Outdoor Termination | WSY-35/3.1 | 50-120 |
| | WSY-35/3.2 | 150-240 |
| | WSY-35/3.3 | 300-500 |
| Three Cores Straight Joint | JSY-35/3.1 | 50-120 |
| | JSY-35/3.2 | 150-240 |
| | JSY-35/3.3 | 300-500 |

Heat Shrinkable Composite Tube



■ Range of Application

The product is suitable for heat-shrinkable power cable straight through joint, which can replace the combination of insulating tube and semi-conductive tube, effectively eliminate the gap between layers, and improve the operation reliability of the straight through joint.

■ Type Table

| Product Name | Item Code | Inside Diameter before shrinkage (mm) | Inside Diameter after shrinkage (mm) | Wall Thickness after shrinkage (mm) |
|--------------------------------|------------|---------------------------------------|--------------------------------------|-------------------------------------|
| Heat Shrinkable Composite Tube | FHG-35/13 | ≥35 | 13 | 6.0 |
| | FHG-45/15 | ≥45 | 15 | 6.0 |
| | FHG-55/20 | ≥55 | 20 | 6.0 |
| | FHG-65/25 | ≥65 | 25 | 6.0 |
| | FHG-85/30 | ≥85 | 30 | 7.0 |
| | FHG-100/38 | ≥100 | 35 | 7.0 |
| | FHG-120/45 | ≥120 | 40 | 7.0 |

Product length range: ≤1000mm

■ Technical specification

| Test item | Parameters |
|---------------------------------|---------------------|
| Water Absorption (%) | ≤0.2 |
| Tensile Strength (Mpa) | ≥12 |
| Elongation at Break (%) | ≥400 |
| Breakdown Strength (kV/mm) | ≥20 |
| Inner Volume Resistivity (Ω.cm) | ≥1×10 ¹⁴ |
| Outer Volume Resistivity (Ω.cm) | ≤1×10 ⁴ |

Heat Shrinkable Breakout



Two Cores



Three Cores



Four Cores



Five Cores

■ Technical Specification

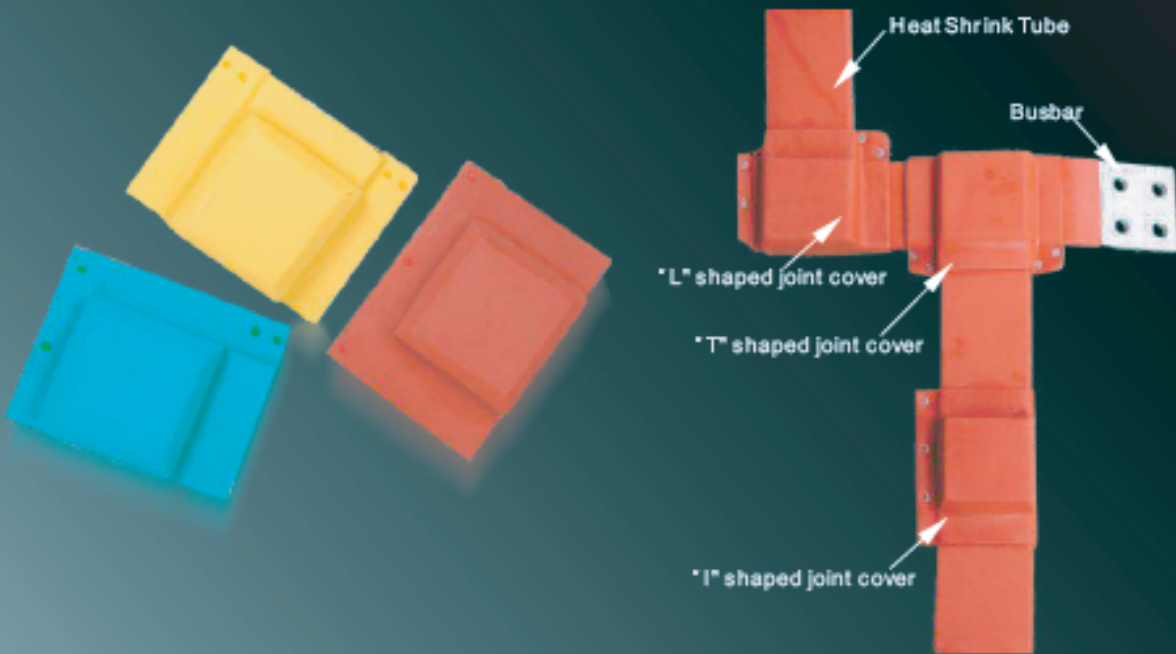
| Test Item | Parameters |
|---|------------|
| Hardness (Shaw A) | 90 |
| Tensile Strength (Mpa) | ≥ 10 |
| Elongation at Break (%) | ≥ 300 |
| Shrink Temperature ($^{\circ}\text{C}$) | 120~140 |
| Radial Shrinkage Ratio (%) | 250 |
| Length Shrinkage Ratio (%) | ± 5 |

■ Type Table

| Product Name | Item Code | Inner Diameter (mm) | | Wall Thickness (mm) | |
|----------------------|-------------|---------------------|-----------|---------------------|-----------|
| | | Big End | Small End | Big End | Small End |
| Two Cores Breakout | ZT-2.1 | 28 2 | 15.5 0.5 | 2.3 0.3 | 1.2 0.2 |
| | ZT-2.2 | 47 2 | 26.0 0.5 | 2.3 0.3 | 1.2 0.2 |
| | ZT-2.3 | 72 3 | 40 1 | 2.3 0.3 | 1.2 0.2 |
| Three Cores Breakout | ZT-3.1 | 54 2 | 24.0 0.5 | 2.3 0.3 | 1.3 0.2 |
| | ZT-3.2 | 54 2 | 26.0 0.5 | 2.4 0.3 | 1.3 0.2 |
| | ZT-3.3/3.1M | 71 3 | 30.0 0.5 | 2.4 0.3 | 1.3 0.2 |
| | ZT-3.4/3.2M | 89 4 | 38 1 | 2.4 0.3 | 1.4 0.2 |
| | ZT-3.5/3.3M | 108 5 | 49 2 | 2.4 0.3 | 1.4 0.2 |
| | ZT-3.6/3.4M | 130 5 | 67 3 | 2.5 0.3 | 1.5 0.3 |
| Four Cores Breakout | ZT-4.0 | 32 2 | 13.0 0.5 | 2.3 0.3 | 1.3 0.2 |
| | ZT-4.1 | 42 2 | 16.0 0.5 | 2.4 0.3 | 1.3 0.2 |
| | ZT-4.2 | 60 2 | 26.0 0.5 | 2.4 0.3 | 1.3 0.2 |
| | ZT-4.3 | 70 3 | 33 1 | 2.4 0.3 | 1.4 0.2 |
| | ZT-4.4 | 90 4 | 39 1 | 2.4 0.3 | 1.4 0.2 |
| Five Cores Breakout | ZT-5.0 | 34 2 | 11.0 0.5 | 2.3 0.3 | 1.3 0.2 |
| | ZT-5.1 | 51 2 | 16.0 0.5 | 2.3 0.3 | 1.3 0.2 |
| | ZT-5.2 | 80 4 | 26.0 0.5 | 2.4 0.3 | 1.4 0.2 |
| | ZT-5.3 | 95 4 | 32 1 | 2.5 0.3 | 1.5 0.3 |

Note: Mark M is 10kV three cores heat shrinkable breakout

Busbar Joint Cover



■ Range of Application

The busbar joint heat shrinkable cover is also called busbar box, made of radiation crosslinked polyolefin material. The busbar box has the functions of electrical insulation, welding spot anti-rust and anti-corrosion, mechanical protection and reducing phase spacing, ensure the safe operation of the power grid, excellent electrical performance, physical performance and chemical performance, can deal with the safety protection of transformers. Widely used in power plant, substation busbar connection, power transformer terminal insulation protection and safety protection.

■ Product Model

MPH □ - □ - □ □ - □ / □

- Busbar Specification
- Bus Combination Form:
11: Single Busbar and Single Busbar Combination;
12: Single Busbar and Double Busbar Combination;
22: Double Busbar and Double Busbar Combination.
- Busbar Connection type:
L: L-shaped combination; T: T-shaped combination; I: I-shaped combination
- Color:
R: Red; Y: Yellow; G: Green; B: Black
- Voltage Classes: 1kV, 15kV, 35kV
- Heat Shrinkable Busbar Joint Cover

■ Technical Specification

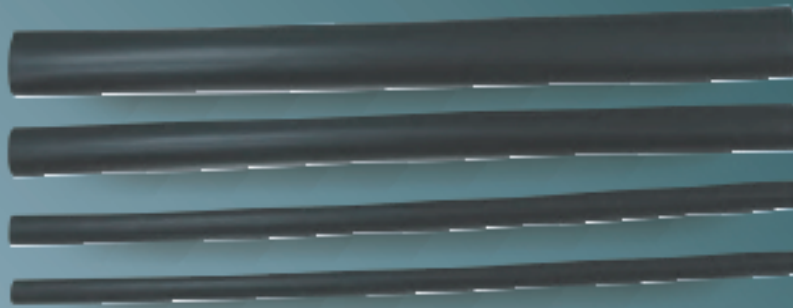
| Test Item | Parameters |
|-----------------------|---------------------------|
| Tensile Strength | > 12MPa |
| Breakdown Strength | ≥25kV/mm |
| Volume Resistivity | >10 ¹⁴ Ω.cm |
| Water Absorption | ≤0.1% |
| Operating Temperature | -55°C ~ +105°C |
| Protection Grade | IP44 |
| Color | Red, Green, Yellow, Black |

■ Order Sample

| Product Model | Specification | Applicable busbar specifications (Width * Thickness) (mm) | Note |
|---------------|---------------|---|---|
| MPH-R-L 22 | 100 10/100 10 | 100 10;100 10 | Red; The joint is in the shape of "L": 100*10 double busbar and 100*10 double busbar lap |
| MPH-Y-T12 | 100 10/80 10 | 100 10;80 10 | Yellow; The joint is in the shape of "T": 100*10 single busbar and 80*10 double busbar lap |
| MPH-G-I11 | 120 10/120 10 | 120 10;120 10 | Green; The joint is in the shape of "I": 120*10 single busbar and 100*10 single busbar lap |
| MPH-R-X22 | 100 10/100 10 | 100 10;100 10 | Red; The joint is in the shape of "X": 100*10 double busbar and 100*10 double busbar lap |

☆The company can provide customers with all kinds of heat shrinkable bus bar joint cover, because the combination of bus bar joint in various forms, be sure to specify the specification and combination of busbar when ordering.

Dual Wall Tube



■ Range of Application

Suitable for Electric Power Industry, Aviation Industry, Electronics Industry, Communication Industry, Automobile Industry and other fields, with insulation, waterproof sealing, corrosion resistance, aging resistance and other characteristics.

■ Technical Specification

| Test Item | Parameters |
|---|------------------------|
| Water Absorption (%) | ≤ 0.2 |
| Tensile Strength (Mpa) | ≥ 14 |
| Elongation at Break (%) | ≥ 400 |
| Breakdown Strength (kV/mm) | ≥ 18 |
| Volume Resistivity ($\Omega \cdot \text{cm}$) | $\geq 1 \cdot 10^{14}$ |
| Peel Strength (N/cm) | ≥ 40 |

Standard color: Black. Special color needs to be customized

Product Length: $\phi 3.2/1$ - $\phi 39/13.5$ specifications of the product can be continuous length can also be segmented length.

$\phi 3.2/1$ - $\phi 39/13.5$ specifications of the product can be segmented length.

■ Type Table

| Product name | Item Code | Inside Diameter before shrinkage (mm) | Inside Diameter after shrinkage (mm) | Wall Thickness after shrinkage (mm) | |
|----------------|----------------|---------------------------------------|--------------------------------------|-------------------------------------|--------------------|
| | | | | The Total Thickness | Bondline Thickness |
| Dual Wall Tube | SBG-φ 3.2/1 | 3.2 | 1.0 | 1.0 | 0.3 |
| | SBG-φ 4.8/1.5 | 4.8 | 1.5 | 1.2 | 0.4 |
| | SBG-φ 6.4/2.2 | 6.4 | 2.2 | 1.4 | 0.5 |
| | SBG-φ 9.5/3.2 | 9.5 | 3.2 | 1.65 | 0.6 |
| | SBG-φ 12.7/4.2 | 12.7 | 4.2 | 1.7 | 0.6 |
| | SBG-φ 19.1/6.3 | 19.1 | 6.3 | 2.0 | 0.7 |
| | SBG-φ 25.4/8.5 | 25.4 | 8.5 | 2.2 | 0.7 |
| | SBG-φ 30/10.5 | 30 | 10.2 | 2.5 | 0.8 |
| | SBG-φ 39/13.5 | 39 | 13.5 | 2.5 | 0.8 |
| | SBG-φ 50/17 | 50 | 17 | 2.8 | 0.5 |
| | SBG-φ 64/21 | 64 | 21 | 3.0 | 0.5 |
| | SBG-φ 75/25 | 75 | 25 | 3.0 | 0.5 |
| | SBG-φ 80/26.7 | 80 | 26.7 | 3.0 | 0.5 |
| | SBG-φ 90/30 | 90 | 30 | 3.0 | 0.5 |
| | SBG-φ 100/34 | 100 | 34 | 3.0 | 0.5 |
| SBG-φ 125/42 | 125 | 42 | 3.0 | 0.5 | |

Remark:

The length of the Dual wall Tube are:

1. 1.22M/pcs
2. 25M/Roll

If there is special need, can be customized according to customer requirements.

Heat Shrinkable Sealing Cap



■ Technical Specification

| Test Item | Parameters |
|---------------------------|------------|
| Sealing Performance (Kpa) | 70±2 |
| Tensile Strength (Mpa) | ≥11 |
| Elongation at Break (%) | ≥350 |
| Water Absorption (%) | ≤0.2 |

■ Type Table

| Item Code | Inside Diameter before shrinkage (mm) | Inside Diameter after shrinkage (mm) | Length before shrinkage(mm) | Applicable Cable Outer Diameter (mm) |
|------------|---------------------------------------|--------------------------------------|-----------------------------|--------------------------------------|
| RSM-15/6 | ≥15 | ≤6 | 42 | 7-13 |
| RSM-20/8 | ≥20 | ≤8 | 55 | 9-17 |
| RSM-35/15 | ≥35 | ≤15 | 80 | 16-30 |
| RSM-55/25 | ≥55 | ≤25 | 105 | 28-48 |
| RSM-75/40 | ≥75 | ≤40 | 115 | 45-65 |
| RSM-100/50 | ≥100 | ≤50 | 145 | 55-90 |
| RSM-120/70 | ≥120 | ≤70 | 150 | 75-110 |

Composite Insulation Heat Shrinkable Tape



■ Overview

Composite insulation heat shrinkable tape is suitable for insulation protection of non-free end or special-shaped charged body, repair of cable outer sheath after damage, insulation of charged body spacing or insufficient distance from the ground to the outside, insulation protection of bare wires or trees or buildings, anti-condensation and anti-corrosion protection of charged body.

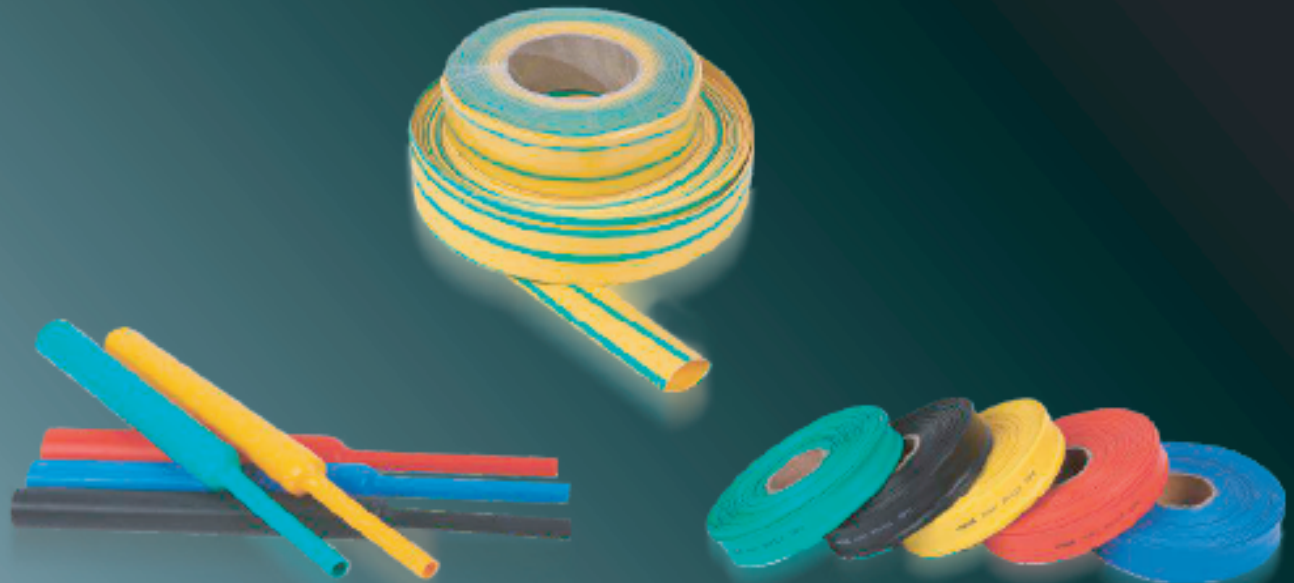
■ Technical Specification

| Test Item | Parameters |
|----------------------------|---------------------|
| Hardness (Shaw A) | ≤90 |
| Tensile Strength (Mpa) | ≥12 |
| Elongation at Break (%) | ≥400 |
| Breakdown Strength (kV/mm) | ≥20 |
| Volume Resistivity (Ω.cm) | ≥1*10 ¹⁴ |
| Peel Strength (N/cm) | ≥50 |

■ Type Table

| Product Name | Item Code |
|---|---------------------|
| Composite Insulation Heat Shrinkable Tape | FJRD-10/50*5000*1.2 |

1kV Flame Retardant Heat Shrinkable Thin Tube



■ Overview

1kV flame retardant heat shrinkable thin tube has good flame retardant performance, excellent electrical insulation performance, aging resistance and softness. It can be completely shrunk by high-heat blow dryer, widely used in communication electronics, aviation and military industry and other fields, playing the role of insulating electrical lines, waterproof and moisture-proof sealing.

■ Technical Specification

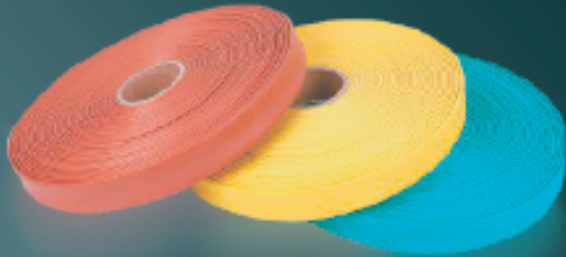
| Test Item | Parameters |
|-------------------------------|--|
| Flame Retardation | VW-1 |
| Radial Shrinkage Ratio | >50% |
| Longitudinal Shrinking Ratio | <10% |
| Tensile Strength | >15MPa |
| Breakdown Strength | ≥25KV/mm |
| Volume Resistivity | >10 ¹⁴ Ω.cm |
| Water Absorption | ≤0.1% |
| Usage Temperature | -55°C~+105°C |
| Initial Shrinkage Temperature | 90°C |
| Elongation at Break | >300% |
| Color | Red, Green, Yellow, Blue, Black, Greenyellow |

■ Type Table

| Item Code | Inside Diameter before shrinkage (mm) | Inside Diameter after shrinkage (mm) | Wall Thickness after shrinkage(mm) |
|------------|---------------------------------------|--------------------------------------|------------------------------------|
| φ 1.0/0.5 | >1.0 | ≤0.7 | 0.30±0.05 |
| φ 1.5/0.75 | >1.5 | ≤0.9 | 0.30±0.05 |
| φ 2.0/1.0 | >2.0 | ≤1.2 | 0.32±0.05 |
| φ 2.5/1.25 | >2.5 | ≤1.4 | 0.32±0.05 |
| φ 3.0/1.5 | >3.0 | ≤1.7 | 0.32±0.05 |
| φ 3.5/1.75 | >3.5 | ≤1.9 | 0.32±0.05 |
| φ 4.0/2.0 | >4.0 | ≤2.2 | 0.35±0.05 |
| φ 5.0/2.5 | >5.0 | ≤2.7 | 0.35±0.05 |
| φ 6.0/3.0 | >6.0 | ≤3.2 | 0.35±0.05 |
| φ 7.0/3.5 | >7.0 | ≤3.7 | 0.38±0.05 |
| φ 8.0/4.0 | >8.0 | ≤4.2 | 0.38±0.05 |
| φ 9.0/4.5 | >9.0 | ≤4.7 | 0.40±0.08 |
| φ 10/5 | >10 | ≤5.2 | 0.40±0.08 |
| φ 12/6 | >12 | ≤6.2 | 0.50±0.08 |
| φ 14/7 | >14 | ≤7.2 | 0.50±0.08 |
| φ 15/7.5 | >15 | ≤7.7 | 0.55±0.08 |
| φ 16/8 | >16 | ≤8.2 | 0.55±0.08 |
| φ 18/9 | >18 | ≤9.2 | 0.55±0.08 |
| φ 20/10 | >20 | ≤10.2 | 0.60±0.08 |
| φ 22/11 | >22 | ≤11.2 | 0.60±0.08 |
| φ 25/12.5 | >25 | ≤13 | 0.65±0.10 |
| φ 30/15 | >30 | ≤15.5 | 0.65±0.10 |
| φ 35/17.5 | >35 | ≤18 | 0.70±0.10 |
| φ 40/20 | >40 | ≤20.5 | 0.75±0.10 |
| φ 50/25 | >50 | ≤25.5 | 0.80±0.10 |
| φ 60/30 | >60 | ≤30.5 | 0.85±0.10 |
| φ 70/35 | >70 | ≤35.5 | 0.90±0.10 |
| φ 80/40 | >80 | ≤40.5 | 0.95±0.10 |
| φ 90/45 | >90 | ≤45.5 | 1.0±0.1 |
| φ 100/50 | >100 | ≤51 | 1.1±0.1 |
| φ 120/60 | >120 | ≤61 | 1.1±0.1 |
| φ 150/75 | >150 | ≤76 | 1.15±0.1 |
| φ 180/90 | >180 | ≤90 | 1.2±0.1 |
| φ 200/100 | >200 | ≤100 | 1.2±0.1 |

Remark: Please indicate your choice of color when ordering.

10kV/35kV Heat Shrinkable Continuous Busbar Tube



10kV Heat Shrinkable Continuous Sleeve



35 kV Heat Shrinkable Continuous Sleeve



Overview

Heat shrinkable continuous busbar tube is a good electrical insulation and safety protection material. It can effectively reduce the distance between bus row and ground, prolong the service life of the busbar; Prevent short circuit accidents caused by foreign body lap and animal crawling; Prevent electric shock, pollution, condensation and flashover. It's mainly used for insulation protection and safety protection of bus bar in high and low voltage switchgear, power plant and substation. It has the characteristics of convenient installation, and long service life.

Technical Specification

| Test Item | Parameters |
|--------------------------------|------------------------|
| Flame Retardancy: Oxygen Index | >30 |
| Hardness (Shaw A) | <80 |
| Radial Shrinkage Ratio | >50% |
| Longitudinal Shrinking Ratio | <5% |
| Elongation at Break | >400% |
| Tensile Strength | >12MPa |
| Breakdown Strength | ≥25KV/mm |
| Volume Resistivity | >10 ¹⁴ Ω.cm |
| Usage Temperature | -55°C~+125°C |
| Complete Shrink Temperature | 120°C~140°C |
| Color | Red, Green, Yellow |

■ Type Table

| Item Code | Applicable Busbar Width | Inside Diameter before shrinkage | Inside Diameter after shrinkage | Wall Thickness before shrinkage | Wall Thickness after shrinkage |
|---------------|-------------------------|----------------------------------|---------------------------------|---------------------------------|--------------------------------|
| MPG10-20/10 | 15~20 | 20 | 10 | 1.1 0.3 | 2.1 0.1 |
| MPG10-25/12.5 | 20~30 | 25 | 12.5 | 1.1 0.3 | 2.1 0.1 |
| MPG10-30/15 | 30~40 | 30 | 15 | 1.1 0.3 | 2.1 0.1 |
| MPG10-40/20 | 40~50 | 40 | 20 | 1.1 0.3 | 2.1 0.1 |
| MPG10-50/25 | 50~60 | 50 | 25 | 1.1 0.3 | 2.2 0.1 |
| MPG10-65/32.5 | 60~70 | 65 2 | 32.5 | 1.1 0.3 | 2.2 0.1 |
| MPG10-75/37.5 | 80~90 | 75 2 | 37.5 | 1.1 0.3 | 2.2 0.1 |
| MPG10-85/42.5 | 90~100 | 85 2 | 42.5 | 1.2 0.3 | 2.3 0.1 |
| MPG10-100/50 | 120 | 100 3 | 50 | 1.2 0.3 | 2.4 0.1 |
| MPG10-120/60 | 140 | 120 3 | 60 | 1.2 0.3 | 2.4 0.1 |
| MPG10-150/75 | 180 | 150 5 | 75 | 1.2 0.3 | 2.5 0.1 |
| MPG10-200/100 | 200 | 200 5 | 100 | 1.2 0.3 | 2.5 0.1 |
| MPG35-25/12.5 | 20~30 | 25 | 12.5 | 1.5 0.5 | 2.9 0.1 |
| MPG35-30/15 | 30~40 | 30 | 15 | 1.5 0.5 | 2.9 0.1 |
| MPG35-40/20 | 40~50 | 40 | 20 | 1.5 0.5 | 3.0 0.1 |
| MPG35-50/25 | 50~60 | 50 | 25 | 1.5 0.5 | 3.1 0.1 |
| MPG35-65/32.5 | 60~70 | 65 2 | 32.5 | 1.6 0.5 | 3.2 0.2 |
| MPG35-75/37.5 | 80~90 | 75 2 | 37.5 | 1.6 0.5 | 3.2 0.2 |
| MPG35-85/42.5 | 90~100 | 85 2 | 42.5 | 1.6 0.5 | 3.3 0.2 |
| MPG35-100/50 | 120 | 100 3 | 50 | 1.7 0.5 | 3.3 0.2 |
| MPG35-120/60 | 140 | 120 3 | 60 | 1.7 0.5 | 3.4 0.2 |
| MPG35-150/75 | 180 | 150 5 | 75 | 1.8 0.5 | 3.5 0.2 |
| MPG35-200/100 | 200 | 200 5 | 100 | 1.8 0.5 | 3.5 0.2 |

Remark: Please indicate your choice of color when ordering.

Heat Shrinkable Bulk Items



Heat Shrinkable Insulation Tube



Heat Shrinkable Rain shed

■ Technical Specification

| Test Item | Parameters |
|-----------------------------|---------------------|
| Hardness (Shaw A) | 90 |
| Strength of Extension (Mpa) | ≥12 |
| Elongation at Break (%) | ≥400 |
| Volume Resistivity (Ω.cm) | ≥1×10 ¹⁴ |
| Breakdown Strength (kV/mm) | ≥25 |
| Permittivity (ε) | <2.5 |
| Shrinkage Temperature (°C) | 120~140 |
| Radial Shrinkage Ratio (%) | 250 |
| Length Shrinkage Ratio (%) | ±5 |
| Oxygen Index (OI) | ≥27 |

■ Heat Shrinkable Insulation Tube Type Table

| Product Name | Item Code | Inside Diameter before shrinkage | Inside Diameter after shrinkage | Wall Thickness after shrinkage | Length | Color |
|--------------------------------------|------------|----------------------------------|---------------------------------|--------------------------------|-------------|---------------------------------|
| 1kV Heat Shrinkable Insulation Tube | JY1-12/5 | 12 | 6 | 1.2 0.1 | 600 or 1000 | Red, Green, Yellow, Blue, Black |
| | JY1-20/8 | 20 | 9 | 1.5 0.1 | | |
| | JY1-30/10 | 30 | 11 | 1.5 0.1 | | |
| | JY1-40/14 | 40 | 15 | 2.0 0.1 | | |
| | JY1-50/18 | 50 | 19 | 2.0 0.1 | | |
| 10kV Heat Shrinkable Insulation Tube | JY10-30/10 | 30 1 | 12 | 2.4 0.1 | 650 or 1000 | Red |
| | JY10-35/14 | 35 1 | 15 | | | |
| | JY10-40/18 | 40 1 | 18 | | | |
| | JY10-50/20 | 50 1 | 20 | | | |
| 35kV Heat Shrinkable Insulation Tube | JY35-50/20 | 50 1 | 20 | 2.8 0.1 | 800 or 1000 | Red |
| | JY35-60/25 | 60 1 | 25 | | | |
| | JY35-70/30 | 70 1 | 30 | | | |
| | JY35-75/35 | 75 1 | 35 | | | |

■ Heat Shrinkable Rain Shed Type Table

| Product Name | Item Code | Specification | The Neck Diameter(mm) | The Neck Wall Thickness(mm) |
|-----------------------------------|-----------|---------------|-----------------------|-----------------------------|
| 10kV Single-hole Rain Shed | 1# | φ 35/14 | φ 36.0±0.5 | 1.6 0.2 |
| | 2# | φ 50/20 | φ 47.0±0.5 | 1.6 0.2 |
| | 3# | φ 70/32 | φ 67.0±0.5 | 1.8 0.2 |
| 10kV Three-hole Rain Shed | 1# | φ 35/14 | φ 32.0±0.5 | 1.7 0.2 |
| | 2# | φ 50/21 | φ 50.0±0.5 | 1.8 0.2 |
| Low Voltage Single-hole Rain Shed | 00# | φ 28/8 | φ 28.0±0.5 | 1.5 0.2 |
| | 01# | φ 35/12 | φ 35.0±0.5 | 1.6 0.2 |
| | 02# | φ 50/20 | φ 48.0±0.5 | 1.6 0.2 |
| | 03# | φ 60/20 | φ 58.0±0.5 | 1.5 0.2 |

Silicone Rubber Insulation Cover



B001



D005



G007

■ Overview

Silicone rubber insulation cover is made of high polymer material with strong anti-aging property and imported silicone rubber. The product has good electrical insulation, waterproof sealing and safety protection performance. It is mainly suitable for insulation safety protection of electrical equipment connection such as power transformer junction post, indoor/outdoor switch and bus bar. It can effectively prevent the occurrence of electric shock, pollution and condensation flashover phenomenon; Prevent short circuit accidents caused by foreign body lap and animal crawling; Reduce air and harmful gases to conductive materials corrosion, prolong the service life of electrical equipment. It has the characteristics of easy installation, excellent environmental adaptability and long service life.

■ Type Table

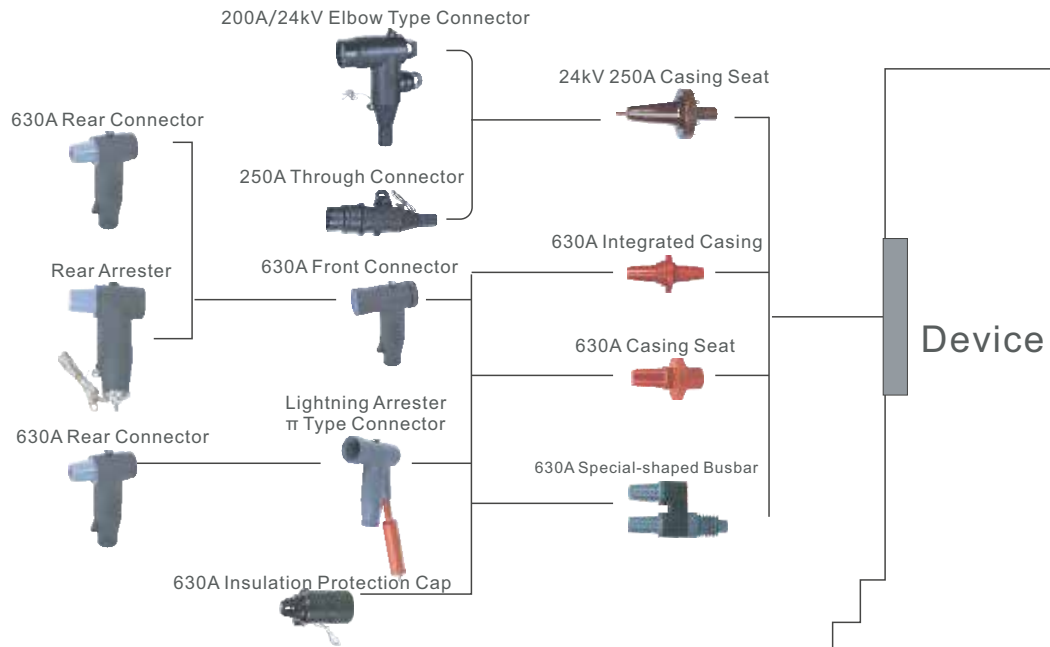
| Order NO. | Item Code | Applicable fittings and connection mode | Screw Diameter | Wire | Product Usage |
|-----------|-----------|--|----------------|-------------------|--|
| G002 | HZ20-DC01 | Connection Terminal, Horizontal line. | M12 | 1 wire | Transformer high voltage incoming line or silicone rubber arrester |
| G003 | HZ20-EB02 | Wire Clamps, Connection Terminal, Diagonal line. | M12 | 1 wire | Transformer high voltage feed line |
| G004 | HZ20-CB01 | 1#-2# Wire Clamps, Horizontal line. | M12 | 1 wire | Transformer high voltage feed line |
| G005 | HZ20-DC02 | Connection Terminal, Horizontal line. | M12 | 1 wire or 2 wires | Transformer high voltage feed line |
| G006 | HZ20-DB01 | 3#-4# Wire Clamps, Diagonal line. | M12 | 1 wire | Transformer high voltage feed line |
| B001 | HZ30-DC01 | Connection Terminal, Horizontal line. | M12 | 1 wire | Silicone rubber arrester |
| D001 | HZ20-DC03 | Connection Terminal, Horizontal line. | M12-M201 | 1 wire or 2 wires | Transformer low voltage feed line |
| D003 | HZ10-BB01 | Rod type oil wire clamps, Diagonal line. | M12 | 1 wire | 20~250KVA Transformer low voltage feed line |
| D004 | HZ10-CB01 | Rod type oil connection terminal, Diagonal line. | M12 | 1 wire | 20~250KVA Transformer low voltage feed line |
| D007 | HZ10-DC02 | Connection Terminal, Horizontal line. | M12 | 1 wire or 2 wires | Transformer low voltage feed line |
| D008 | HZ10-FC01 | Busbars, Horizontal line. | M12-M20 | 1 wire | Transformer low voltage feed line |
| D009 | HZ10-EC01 | Wire Clamps, Horizontal line. | M12 | 1 wire | 20~250KVA Transformer low voltage feed line |
| D012 | HZ10-CA02 | Rod type oil wire clamps, Vertical line. | M12 | 1 wire | 20~250KVA Transformer low voltage feed line |
| D013 | HZ10-BB02 | Rod type oil wire clamps, Diagonal line. | M14-M20 | 1 wire | 315~500KVA Transformer low voltage feed line |
| D014 | HZ10-CB02 | Rod type oil connection terminal, Diagonal line. | M14-M20 | 1 wire | 315~500KVA Transformer low voltage feed line |
| D015 | HZ10-EB03 | Wire Clamps, Diagonal line. | M14-M20 | 1 wire | Transformer low voltage feed line |
| D017 | HZ10-DC03 | Connection Terminal, Horizontal line. | M14-M20 | 1 wire or 2 wires | Transformer low voltage feed line |
| D019 | HZ10-EC02 | Connection Terminal, Horizontal line. | M14-M20 | 1 wire | 315~500KVA Transformer low voltage feed line |
| G006 | HZ20-EA01 | Wire Clamps, Vertical line. | M12 | 1 wire | Transformer low voltage feed line |
| G007 | HZ20-BB02 | Screw oil wire clip, Diagonal line. | M12 | 1 wire | Transformer low voltage feed line |

Remark:

In addition to the above models listed in the selection table, our company also produces a variety of silicone rubber insulation shields such as D002, GW12, RW07, RW10 and special specifications can be customized.

Executive Standard

- DIN47636.7.1990 with Power cable detachable accessory set protruding from cone, dimensions of tube and separable coupling devices Um up to 35kV;
- ANSIIIEEE592-1900 Exposed semiconductor sheath for high voltage cable joints and separable insulated connectors;
- IEC60502 Extruded insulated power cables and accessories for rated voltage from 1kV (Um=1.2kV) to 30kV (Um=35kV);
- IEC61442 Test method for accessories of power cables with rated voltage from 6kV (Um=7.2kV) to 30kV (Um=35kV);
- GB12706-2002 Extruded insulated power cables and their accessories for rated voltage 1kV (Um=1.2kV) to 35kV (Um=40.5kV);
- GB311.1-1997 High voltage transmission and distribution equipment insulation coordination;
- GB/41.9-1999 Technical conditions of high pressure casing;
- GB11032-2010 Ac non - gap metal oxidation arrester;



| Test Item | 12kV Parameters | 24kV Parameters | 35kV Parameters |
|-----------------------------------|-----------------|-----------------|-----------------|
| Rated Voltage | 8.7kV/14.4kV | 15.2kV/26.3kV | 26kV/35kV |
| Power Frequency Withstand Voltage | 42kV/1min | 55kV/5min | 117kV/5min |
| DC Withstand Voltage | 53kV/15min | 78kV/15min | 104kV |
| Lightning Shock Withstand Voltage | 95kV | 125kV | 215kV |
| Partial Discharge Voltage <10PC | 13kV | 22kV | 45kV |

| Current Performance | 250A | 600A |
|------------------------|---------|---------|
| Thermal Stable Current | 16kA 1S | 30kA 2S |
| Dynamic Stable Current | 40kA | 105kA |

12/24kV European Type Front Connector

HY JB-1 2/630(PTC/Q-8.7/1 5-630A)

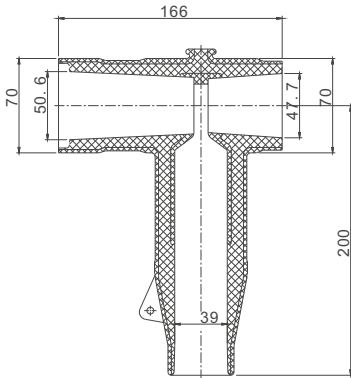


■ Overview

12kV European-style front connector is directly connected with the inlet and outlet bushings of the switch cabinet and the wall bushings of the cable branch box to provide fully insulated safe lines for the switch cabinet and cable branch box. The tail can be directly blocked with insulation plug, or can be extended to connect the rear connector or rear arrester.

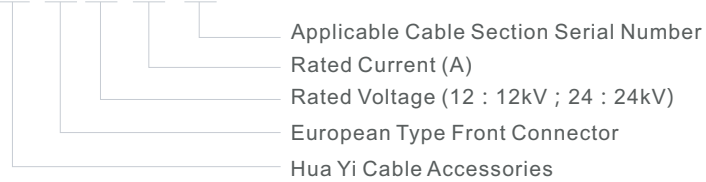
■ Product Features

- Fully shielded and fully sealed separable connections are provided when the product is fitted with an appropriate casing or plug;
- It can run for a long time under water and other harsh conditions;
- The built-in capacitance test point is used to measure the line live state, and must be used with live display;
- There is no minimum interphase installation distance requirement;
- Installation can be vertical, horizontal, or any Angle.



Product Model

HY JB- /630-



Type Table

12kV Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer Diameter of Cable Insulation Layer(mm) |
|----------------|--|--|
| HY JB-12/630-1 | 25 | 16.6 |
| | 35 | 17.6 |
| HY JB-12/630-2 | 50 | 19 |
| | 70 | 20.6 |
| HY JB-12/630-3 | 95 | 22.2 |
| | 120 | 23.6 |
| HY JB-12/630-4 | 150 | 25.2 |
| | 185 | 26.7 |
| HY JB-12/630-5 | 240 | 29 |
| | 300 | 31.2 |
| HY JB-12/630-6 | 400 | 34.4 |
| | 500 | 37.2 |

24kV Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer Diameter of Cable Insulation Layer(mm) |
|----------------|--|--|
| HY JB-24/630-1 | 35 | 18.6 |
| | 50 | 19.6 |
| | 70 | 21 |
| HY JB-24/630-2 | 95 | 22.6 |
| | 120 | 24.2 |
| | 150 | 25.6 |
| HY JB-24/630-3 | 185 | 27.2 |
| | 240 | 28.7 |
| | 300 | 31.1 |
| HY JB-24/630-4 | 400 | 33.2 |

12/24kV European Type Rear Connector

HY JBK-12/630(PTC/H-8.7/15-630A)

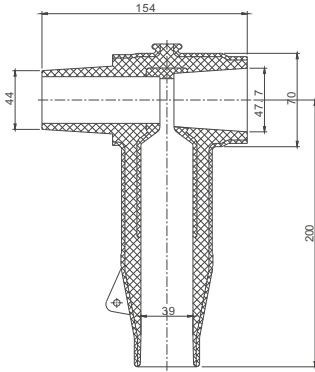


■ Overview

The 630A European-style rear connector can be connected to European-style front connector or another European-style rear connector to provide extended cable connection loop (branch). It cannot be connected directly to casing seat and through-wall casing. Its tail can be plugged directly with insulation plug, or it can be extended to connect another European rear plug or rear connector arrester.

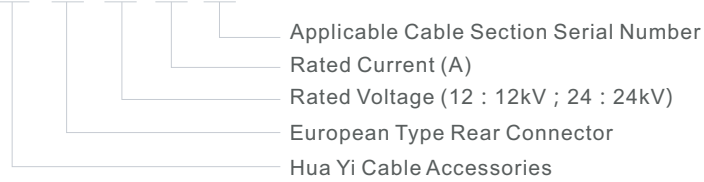
■ Product Features

- Fully shielded and fully sealed separable connections are provided when the product is fitted with an appropriate casing or plug;
- It can run for a long time under water and other harsh conditions;
- The built-in capacitance test point is used to measure the line live state, and must be used with live display;
- There is no minimum interphase installation distance requirement; Installation can be vertical, horizontal, or any Angle.



Product Model

HY JBK- /630-



Type Table

12kV Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer Diameter of Cable Insulation Layer(mm) |
|-----------------|--|--|
| HY JBK-12/630-1 | 25 | 16.6 |
| | 35 | 17.6 |
| HY JBK-12/630-2 | 50 | 19 |
| | 70 | 20.6 |
| HY JBK-12/630-3 | 95 | 22.2 |
| | 120 | 23.6 |
| HY JBK-12/630-4 | 150 | 25.2 |
| | 185 | 26.7 |
| HY JBK-12/630-5 | 240 | 29 |
| | 300 | 31.2 |
| HY JBK-12/630-6 | 400 | 34.4 |
| | 500 | 37.2 |

24kV Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer Diameter of Cable Insulation Layer(mm) |
|-----------------|--|--|
| HY JBK-24/630-1 | 35 | 18.6 |
| | 50 | 19.6 |
| | 70 | 21 |
| HY JBK-24/630-2 | 95 | 22.6 |
| | 120 | 24.2 |
| | 150 | 25.6 |
| HY JBK-24/630-3 | 185 | 27.2 |
| | 240 | 28.7 |
| | 300 | 31.1 |
| HY JBK-24/630-4 | 400 | 33.2 |

15kV Special Cold Shrinkable Accessories for Plug

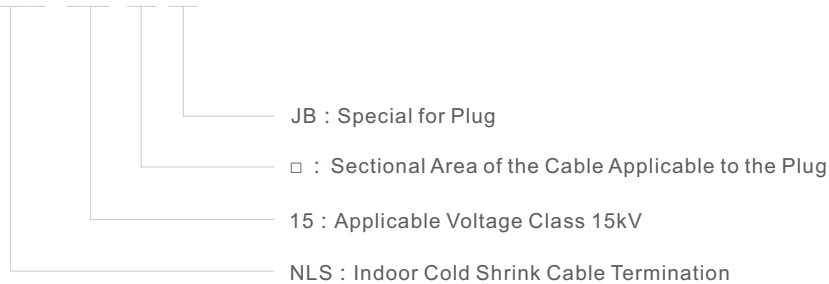


■ Overview

The full set of products to the most advanced cold shrinkage technology, without fire and special tools, just pull out the core, the elastomer will quickly shrink and close to the required installation site.

■ Product Model

NLS-15/3*□-JB



12kV π Type Touch-able Front/Rear Connector

HY QJT-12/630
HY HJT-12/630



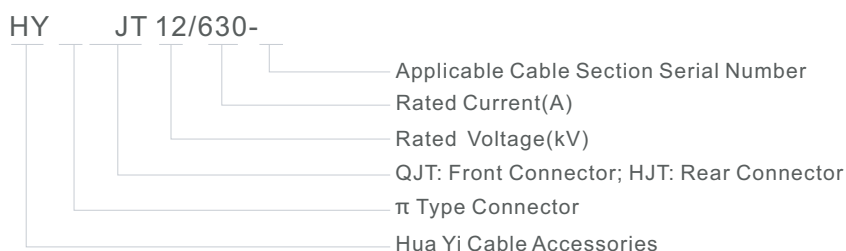
■ Overview

12kV π type touch-able front/rear connector is applied to ring network cabinet, cable branch box of the main network system or box transformer ring network system, as the incoming and outgoing cable connection. It can be connected to 630A busbar wire, and can also be connected to multiple groups by connect touch-able rear connector to form multiple loops. The type π touch-able front connector rated current 630A, suitable for XLPE power cable with 25-500mm² cross section.

■ Product Features

- The unique stress cone structure can effectively disperse the electric field stress and solve the electric field stress problem at the cable shielding layer cut off;
- Incoming line and cable joint integral structure, reduce cabinet space;
- Full Sealing, Full Insulation, Full Protection, Easy Maintenance, Anti - Flooding, Anti - Pollution.

■ Product Model



■ Type Table

π Type Front Connector Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer Diameter of Cable Insulation Layer(mm) |
|-----------------|--|--|
| HY QJT 12/630-1 | 25 | 16.6 |
| | 35 | 17.6 |
| HY QJT 12/630-2 | 50 | 19 |
| | 70 | 20.6 |
| HY QJT 12/630-3 | 95 | 22.2 |
| | 120 | 23.6 |
| HY QJT 12/630-4 | 150 | 25.2 |
| | 185 | 26.7 |
| HY QJT 12/630-5 | 240 | 29 |
| | 300 | 31.2 |
| HY QJT 12/630-6 | 400 | 34.4 |
| | 500 | 37.2 |

π Type Rear Connector Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer Diameter of Cable Insulation Layer(mm) |
|-----------------|--|--|
| HY HJT 12/630-1 | 25 | 16.6 |
| | 35 | 17.6 |
| HY HJT 12/630-2 | 50 | 19 |
| | 70 | 20.6 |
| HY HJT 12/630-3 | 95 | 22.2 |
| | 120 | 23.6 |
| HY HJT 12/630-4 | 150 | 25.2 |
| | 185 | 26.7 |
| HY HJT 12/630-5 | 240 | 29 |
| | 300 | 31.2 |
| HY HJT 12/630-6 | 400 | 34.4 |
| | 500 | 37.2 |

12kV Special-Shaped Busbar

HY YMP-12/630



Overview

Special-shaped busbar is applied to cable branch box with SF6 load switch or vacuum circuit breaker. It is divided into European type and American type, with two, three and four connections. It can be composed of 630 joint, 630A hybrid joint and European 630A joint with umbrella skirt. It can be composed of 630 joint, 630A hybrid joint and European 630A joint with umbrella skirt. It can be connected with switch connecting end through cross joint and T-joint to achieve full insulation and full sealing.

Product Features

- Flexible structure, meet a variety of wiring;
- Full insulation, full sealing, high safety performance.



2-way

3-way

4-way

Product Model

HY YMP- -12/630



Type Table

| Item Code | Rated Current | Branch |
|----------------|---------------|--------|
| HY YMP2-12/630 | 630A | 2 |
| HY YMP3-12/630 | | 3 |
| HY YMP4-12/630 | | 4 |

12kV European Type Front Arrester

HY QBLQ-17/50(PTC/QB YH5WS-17/50)

HY QBLQ-17/45(PTC/QB YH5WZ-17/45)

HY QBLQ-17/45(PTC/QB YH5WZ-10/27)



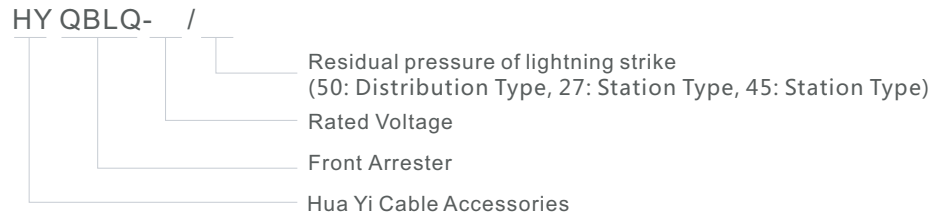
■ Overview

The 630A European type front arrester can be directly connected to the casing seat, through the wall casing, etc., to provide reliable over voltage protection for the power system.

■ Product Features

- The valve plate inside the lightning arrester has good nonlinearity, so that the arrester has the characteristics of residual low pressure and large flow rate;
- When the product is used, the response time is fast and the steep wave is flat;
- It can effectively prevent lightning strike, operation shock and over voltage protection, and ensure the operation of transmission and transformation equipment.

■ Product Model



■ Technical Specification

| Test Item | Parameters |
|--|------------|
| Rated Voltage | 15kV |
| Continuous Running Voltage | 13.6kV |
| Dc 1mA Reference Voltage | 24kV |
| Residual Pressure of Steep Wave Impact | 51.8kV |
| Residual Pressure of Lightning Strike | 45kV |
| Residual Pressure of Operating Shock | 35kV |
| High Current Shock Resistance | 65kA |

■ Type Table

| Item Code | Applicable cable section(mm ²) |
|-----------------------------------|--|
| HY QBLQ-17/50(PTC/QB YH5WS-17/50) | 25-400 |
| HY QBLQ-17/45(PTC/QB YH5WZ-17/45) | |
| HY QBLQ-17/45(PTC/QB YH5WZ-10/27) | |

12kV European Type Rear Arrester

HY HBLQ-17/50(PTC/HB YH5WS-17/50)
HY HBLQ-17/45(PTC/HB YH5WZ-17/45)
HY HBLQ-17/45(PTC/HB YH5WZ-10/27)



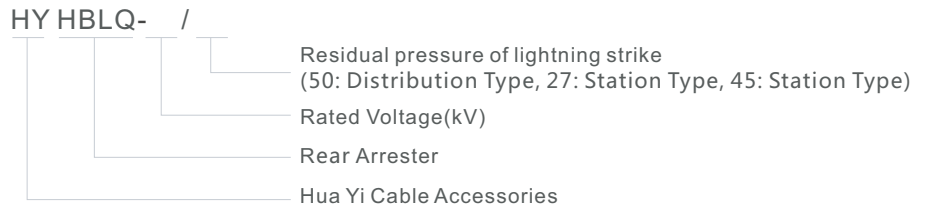
■ Overview

The European type rear arrester can provide reliable over voltage protection for the power system. The shielded rear arrester's outer semi-conductive layer ensures the safety of installation and maintenance personnel and the safe operation of the equipment, at the same time, it's UV resistance, resistance to wire aging, waterproof, moisture-proof performance to ensure that the product can operate safely and reliably in harsh environment.

■ Product Features

- It has good insulation performance, Corona Resistance and Electric Trace Resistance;
- With Flame Retardant, Self-extinguishing and excellent Heat Resistance;
- It can strengthen the ability of cable accessories to use electrical system;
- It can effectively prevent lightning strike, operation shock and over voltage protection, and ensure the operation of transmission and transformation equipment.

■ Product Model



■ Technical Specification

| Test Item | Parameters |
|--|------------|
| Rated Voltage | 15kV |
| Residual Pressure of Steep Wave Impact | 51.8kV |
| Residual Pressure of Lightning Strike | 45kV |
| Residual Pressure of Operating Shock | 35kV |
| High Current Shock Resistance | 65kA |

■ Type Table

| Item Code | Applicable cable section(mm ²) |
|-----------------------------------|--|
| HY HBLQ-17/50(PTC/HB YH5WS-17/50) | 25-400 |
| HY HBLQ-17/45(PTC/HB YH5WZ-17/45) | |
| HY HBLQ-17/45(PTC/HB YH5WZ-10/27) | |

12kV Integrated Bushing

HY JCTG-12/630



■ Overview

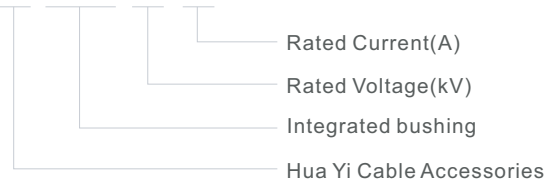
12kV integrated bushing provides interface for 630A European-style joint products, which is mainly used for SF6 load switch branch box to connect with European-style front and rear joint and other products. The body of the product is made of high quality epoxy resin.

■ Product Features

- The design of rain shed structure increases creepage distance and improves the electrical performance of equipment;
- With good Flame Retardant;
- The inner layer has the advantages of low melting point, waterproof sealing and high adhesion;
- With strong electrical safety performance.

■ Product Model

HY JCTG-12/630



■ Technical Specification

| Test Item | Parameters |
|-----------------------------------|--------------------|
| Rated Voltage | 15kV |
| Rated Current | 630A |
| Power Frequency Withstand Voltage | 42kV/1min |
| Lightning Shock Withstand Voltage | 95kV |
| Minimum Corona Starting Voltage | 11kV |
| 24 hours Overloading | 1000A |
| Short-time Withstand Current | 25kV/0.17S 10kV/3s |

12/24kV Two-Side Bushing

HY DJTG-12/630

HY DJTG-24/630



Overview

Mainly used for European cable branch box, ring network switch cabinet, connected with European front plug, can be connected with live indicator, display bus live state. The body of the product is made of high quality epoxy resin and has good mechanical and electrical properties.

Product Features

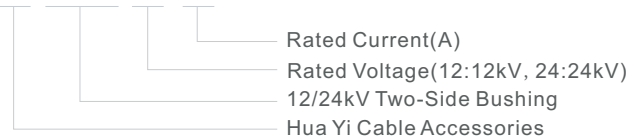
The body of the product is made of high quality epoxy resin and has good mechanical and electrical properties.

Type Table

| Product Name | Item Code |
|-----------------------|----------------|
| 12kV Two-Side Bushing | HY DJTG-12/630 |
| 24kV Two-Side Bushing | HY DJTG-24/630 |

Product Model

HY DJTG- /630



Technical Specification

| Test Item | Parameters |
|-----------------------------------|------------|
| Rated Voltage | 12kV |
| Rated Current | 630A |
| Power Frequency Withstand Voltage | 65kV/1min |
| Partial Discharge | 17.2kV 5pc |
| Induction Capacitance | 18 3pf |

12/24kV Casing Seat for Inflatable Cabinet

HY TGZ-12/630

HY TGZ-24/630



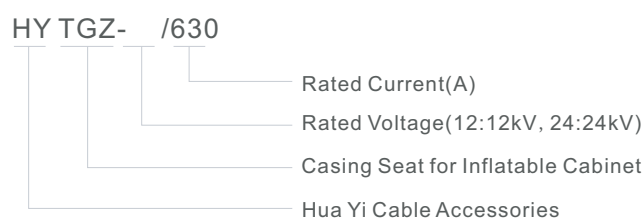
■ Overview

The casing seat of the inflatable cabinet provides an interface for the 630A cable connector, which is mainly used for outdoor ring network switchgear and other equipment. It is installed on the inflatable cabinet, and is connected with the 630A type cable connector, which is the 630A inlet and outlet line, and is connected with the shielded bolt type cable connector.

■ Product Features

- The product is made of epoxy resin and purple copper rod, which has good mechanical and electrical properties;
- The suitable medium is insulating oil or SF6 gas. The induction point on the bushing can be directly grounded or connected to the live display.

■ Product Model



■ Type Table

| Product Name | Item Code |
|---|---------------|
| 12kV Casing Seat for Inflatable Cabinet | HY TGZ-12/630 |
| 24kV Casing Seat for Inflatable Cabinet | HY TGZ-24/630 |

12/24kV Insulation cap

HY JYM-12/630

HY JYM-24/630

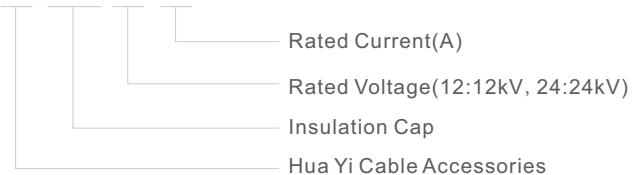


Overview

12/24KV 630A insulation cap is an accessory with point bushing, providing insulation cover for live bushing, dust-proof and moisture-proof cover for joints without live bushing. 630A insulation caps can be installed on 630A bushing, bus bar, and wall hanging devices. If spare outgoing cables are reserved for bus bars and cable connectors, use 630A insulation caps to seal them. The product has the advantages of full insulation, full sealing, safe and reliable, convenient installation, simple operation and so on.

Product Model

HY JYM- /630



Technical Specification

| Test Item | Parameters |
|-----------------------------------|------------|
| Rated Voltage | 15kV |
| Rated Current | 630A |
| Power Frequency Withstand Voltage | 42kV/1min |
| Lightning Shock Withstand Voltage | 95kV |
| DC Withstand Voltage | 52kV/15min |
| Minimum Corona Starting Voltage | 11kV |

Type Table

| Product Name | Item Code |
|---------------------|---------------|
| 12kV Insulation Cap | HY JYM-12/630 |
| 24kV Insulation Cap | HY JYM-24/630 |

24kV European Rear Arrester

HY HBLQ-34/90



■ Overview

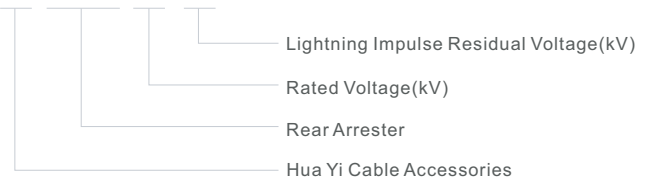
24kV European rear surge arrester provides reliable over-voltage protection for electrical systems. The shielded rear surge arrester's outer semi-conductive layer ensures the safety of installation and maintenance personnel and the safe operation of the equipment. Meanwhile, its special performance of anti-ultraviolet, anti-aging, waterproof and moisture-proof ensures the safe and reliable operation of the product in bad environment.

■ Product Features

- Excellent insulation performance, corona resistance and electric trace resistance.
- It has flame retardant, self-extinguishing and excellent heat resistance.
- It can strengthen the use ability of cable accessories to electrical system fluctuation.
- It can effectively prevent lightning strike, operation shock and over-voltage protection to ensure the operation of transmission and transformation equipment.

■ Product Model

HY HBLQ-34/90



35kV Two-side Bushing

HY DJTG-35/630

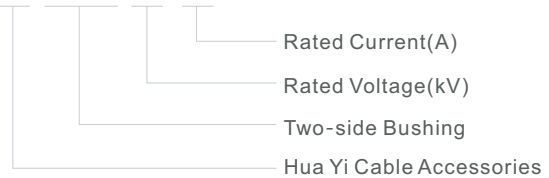


■ Overview

35kV two-side bushing is used for 35kV cable tap box, providing intermediate connection for 35kVT type cable joint.

■ Product Model

HY DJTG-35/630



■ Product Features

- The unique stress cone structure can effectively evacuated electric field stress.
- Solve the electrical stress problem at the cutting of cable shielding layer.
- Incoming line and cable joint integral structure, reduce cabinet space.
- Fully sealed, fully insulate, fully protected, maintenance-free, resistant to flooding and pollution.

35kV T Cable Connector

HY TT-35/630



■ Overview

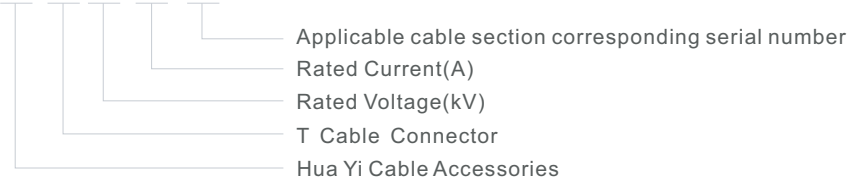
Connect single-phase or three-phase insulated cable with transformer, switch cabinet, branch box and other equipment through 630A prefabricated connector. Expand rear connector or rear surge arrester to realize multi-way installation and provide over-voltage protection. The product is suitable for indoor and outdoor installation, can be connected to the cable specifications, cable type fault indicator can also be installed on the cable, can quickly and accurately find out the fault point.

■ Product Features

- Provides a fully screened and fully submersible separable connection when mated with the proper bushing or plug.
- It can run under water and other harsh conditions for a long time.
- Built-in capacity test point to determine the circuit status or install a fault indicator.
- No minimum phase clearance requirements.
- Mounting can be vertical, horizontal, or any angle in between.

■ Product Model

HY TT-35/630-



■ Technical Specification

| Test Item | Parameters |
|------------------------------------|------------|
| Rated Current | 630A |
| Overload Current | 1000A/24H |
| Short-time Withstand Current | 27kA/4S |
| Rated Voltage | 40kA/0.2S |
| Maximum Interphase Voltage | 35kV |
| Maximum Relative Ground Voltage | 40.5kV |
| Power Frequency Withstand Voltage | 117kV/1min |
| Lighting Impulse Withstand Voltage | 200kV |
| Minimum Corona Starting Voltage | 26kV |

■ Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer diameter of cable insulation layer(mm) |
|----------------|--|--|
| HY TT-35/630-1 | 35 | 29 |
| | 50 | 31 |
| HY TT-35/630-2 | 70 | 32.6 |
| | 95 | 34.2 |
| HY TT-35/630-3 | 120 | 35.6 |
| | 150 | 37.2 |
| HY TT-35/630-4 | 185 | 38.7 |
| | 240 | 41.1 |
| HY TT-35/630-5 | 300 | 43.2 |
| | 400 | 46.4 |
| HY TT-35/630-6 | 500 | 49.2 |

35kV Rear Arrester

HY HBLQ-51/134

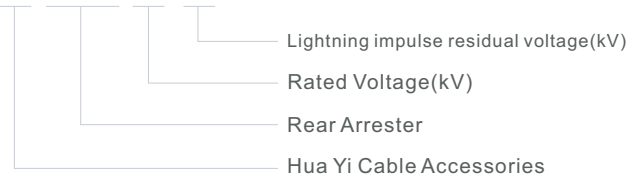


■ Overview

35kV European type rear surge arrester can provide reliable over-voltage protection for electrical equipment wind power substation cable tap box.

■ Product Model

HY HBLQ-51/134



■ Technical Specification

| Product Name | Item Code |
|------------------------------------|-----------|
| Lightning impulse residual voltage | 185kV |
| Sealing test | Qualified |

12kV Top Expansion Bus Connector



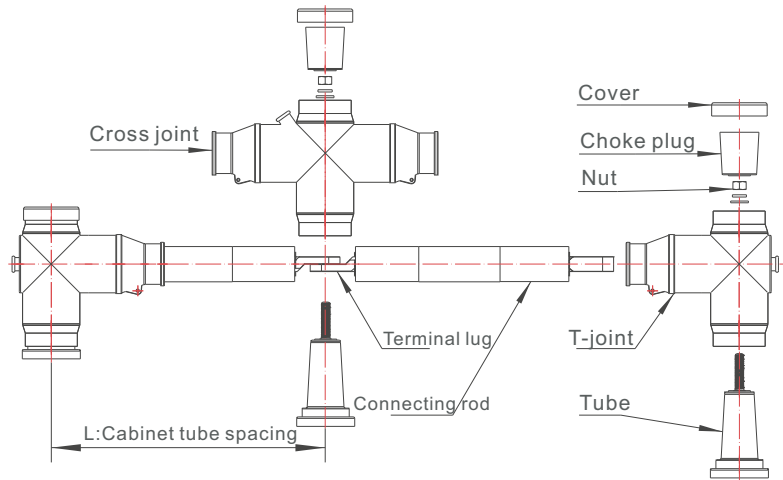
■ Overview

The top expansion bus connector is used for the top expansion connection of SF6 insulated metal switchgear, realizing full sealing and full insulation connection between the load switch and bus, completely avoiding the fatal defect brought by high voltage exposure in bad weather, and it is easy to install and high reliability. The length of the bus can be customized according to customer requirements, and the end of the bus is fixed with terminals and bushing. \suitable for electrical system with rated current up to 1250A.

■ Product Model

HY MLQ-12/□-□-□

- : Switch cabinet type (P: Shielding type, used for inflatable cabinet and ring network cabinet
F: Unshielding type, used for solid cabinet)
- : Link No.(Select number by unit)
- : Rated Current (630:630A 1250:1250A)
- 12 : Rated Voltage 12kV
- MLQ : Top expansion bus connector
- HY : Hua Yi Cable Accessories



Note: The length of bus for European cross joint and T-joint can be customized according to customer requirements.

■ Type Table

| Product Name | Item Code |
|---|---|
|  | <p>HY-MLQD-12/630 (T-joint)</p> |
|  | <p>HY-MLQS-12/630 (Cross joint)</p> |
|  | <p>HY-MLQX-12/630 (The connector bus)</p> |

12kV Side Expansion Bus Connector



■ Overview

The side expansion bus connector is used to connect the side expansion of the ring cabinet to provide multi-branch serial connections for the expansion of the ring cabinet.

■ Product Model

HY CK-12/630

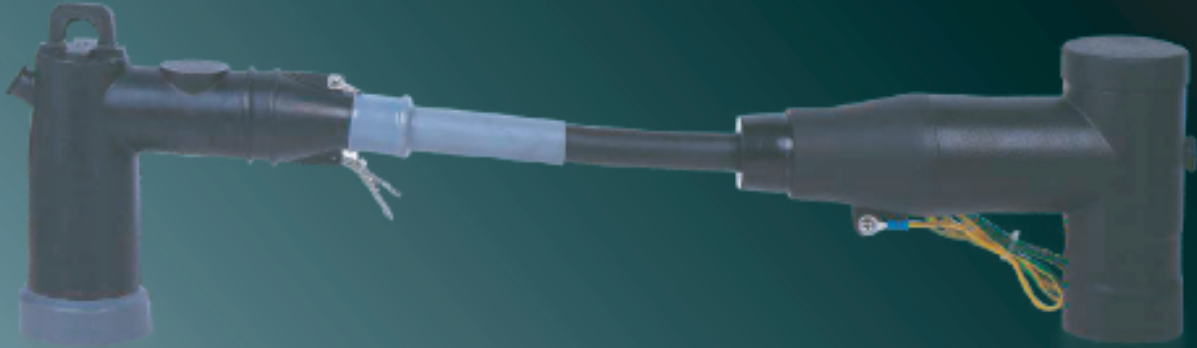
630 : Rated current 630A

12:Rated voltage 12kV

CK:Side expansion bus connector

HY: Hua Yi Cable Accessories

15kV PT Soft Connection



■ Overview

PT Soft Connection is based on the cable connection by modifying the appearance of both ends of the cable end evolved. It is on the basis of the cable end on the outer surface of the semi-conductive shielding of the cable end, full sealing of the product. A plug head can be installed at the rear end of the cable head, and the front connector is usually used. PT soft connector can be customized according to customer's actual requirements.

■ Product Model

HY - □ - 15/200 - □

- : Length of soft connection (Can be customized)
- 15/200 : Rated voltage 15kV, Rated current 200A
- : PTR: Front soft connection, PTRK: Rear soft connection
- HY : Hua Yi Cable Accessories

■ Standard

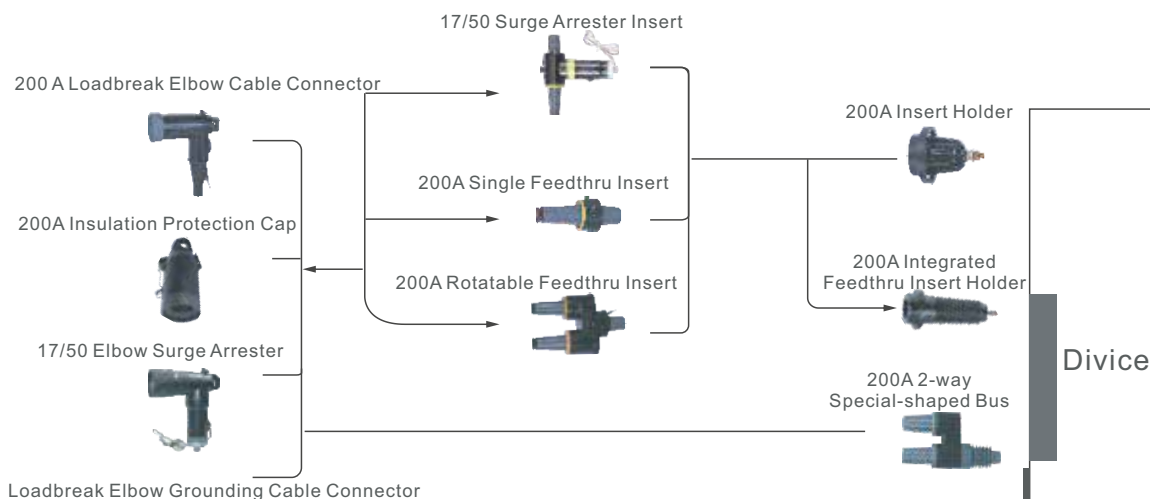
- ANSI IEEE std386-2006 more than 600V separable insulated connector systems for power distribution systems;
- ANSI IEEE592-1990 Exposed semiconducting shields on high-voltage cable joints and separable insulated connectors;
- IEC60502 Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 35 kV);
- IEC61442 Test methods for accessories for power cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 35 kV);
- GB12706-2002 Power cables with extruded insulation and their accessories or rated voltages from 1 kV (Um = 1,2 kV) up to 35 kV (Um = 40.5 kV);
- GB311.1-1997 Insulation co-ordination for high voltage transmission and distribution equipment;
- GB/T41.9-1999 High pressure casing technology conditions;
- GB11032-2010 Metal-oxide surge arresters without gaps for a.c. systems;
- DIN47636-7-1990 Bushing for separable accessories for power cable with protruding cone; Um up to 35kV, dimensions of the arrangement for bushings and separable connectors.

■ Voltage Feature

| Test Item | 15kV | 25kV | 35kV |
|-------------------------------------|--------------|---------------|------------|
| Rated voltage | 8.7kV/14.4kV | 15.2kV/26.3kV | 26kV/35kV |
| Power frequency voltage withstand | 42kV/1min | 55kV/5min | 117kV/5min |
| DC voltage withstand | 53kV/15min | 78kV/15min | 104kV |
| Lightning impulse voltage withstand | 95kV | 125kV | 215kV |
| Partial discharge voltage < 10PC | 13kV | 22kV | 45kV |

■ Current performance

| Test Item | 200AMP | 600AMP |
|------------------------|---|---------|
| Load operating current | Can perform 10 times of breaking and closing operation at 14.4kV and 200A | |
| Fault closing current | It can pass one fail-close operation at 14.4kV and 10000A/0.175 | |
| Thermal stable current | 16kA 1s | 30kA 2S |
| Dynamic stable current | 40kA | 105kA |



15kV Elbow Cable Connector

HY ZT-15/200



■ Overview

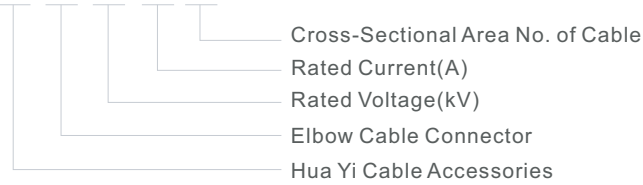
15kV 200A elbow cable connector is fully-shield and shield and insulated plug-in termination for connecting underground cable to distribution power system of pad-mound transformer, surrounding power supply branch, cable branch box equipped with load bushings. Installed in T-II type cable head the 200A outlet side, 200A bus-bar and American box single-pass (or double pass) bushing joints and load transfer joint, etc.

■ Product Features

- Test point can install live display to check the live status of the equipment and meet the requirements of the nuclear phase of the line.
- It can be operated with live, but cannot cut off short circuit current.
- It's suitable for XLPE cable with sectional area $35\text{mm}^2 \sim 150\text{mm}^2$.
- It can be used as load switch to switch off 200A current.

■ Product Model

HY ZT-15/200-



■ Technical Specification

| Test Item | Parameters |
|---|---------------|
| Wet power frequency voltage withstand | 12kV/1min |
| Dry power frequency voltage withstand | 42kV/1min |
| Power frequency withstand voltage for a long time | 35kV/4h |
| Impulse voltage withstand | 95kV 10 times |
| Partial discharge | 13kV 20pc |

■ Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer diameter of cable insulation layer(mm) |
|----------------|--|--|
| HY ZT-15/200-1 | 35 | 17.6 |
| | 50 | 19 |
| HY ZT-15/200-2 | 70 | 20.6 |
| HY ZT-15/200-3 | 95 | 22.2 |
| | 120 | 23.6 |
| | 150 | 25.2 |

15kV PT Elbow Cable Connector

HY PT-15/200

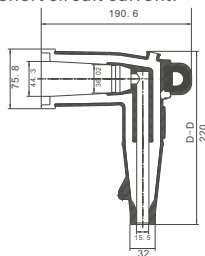


Overview

Elbow cable connector is used to provide power for electric operation mechanism, or fully insulation, fully shield, fully sealing for the high voltage side of the mutual inductor JDZ12A-10R. It is suitable for 15kV 35~50mm² XLPE.

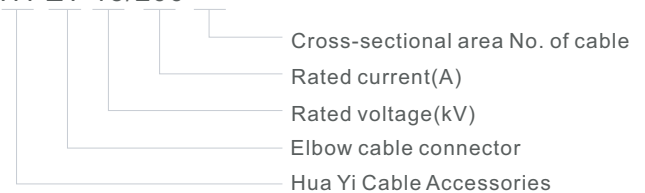
Product Features

- Fully insulation, fully shield, fully sealing.
- The connection is very simple, with a reliable anti-loose device.
- The rod connector is equipped with arc extinguishing material, so it can be operated in a live state, but cannot cut off short circuit current.



Product Model

HY ZT-15/200-



Technical Specification

| Test Item | Parameters |
|------------------------------------|------------|
| Rated voltage | 15 |
| Maximum interphase voltage | 14.4 |
| Maximum relative ground voltage | 8.3 |
| Power frequency withstand voltage | 42/1min |
| Lighting impulse withstand voltage | 95 |
| Initial corona voltage | 11 |

15kV Bushing Connector

HY DTTG-15/200



Overview

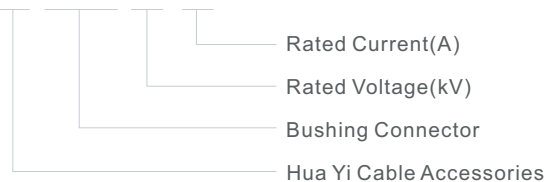
15kV bushing connector threads into a universal bushing well to provide the same function as an integral load break bushing. Using bushing inserts makes field installation and replacement possible and efficient. Bushing insert and elbow connectors comprise the essential components of all load break connections. It is mainly used as the high-voltage electrical connection for American box, outdoor ring network cabinet. Bushing insert is used with bushing holder that makes it possible to on-site installation and replacement.

Product Features

- The inner hexagon of the bushing insert makes installation more convenient. With the use of the installation tool, it can be tightly installed to the bushing holder to avoid any potential damage;
- The yellow position ring of the product can directly reflect whether the sealing header is installed properly;
- The advanced design inside the bushing insert ensures that the arc can be destroyed normally when it is disconnected from plug head.

Product Model

HY DTTG 15/200



15kV Bushing Extender Holder

HY JCTGZ-15/200

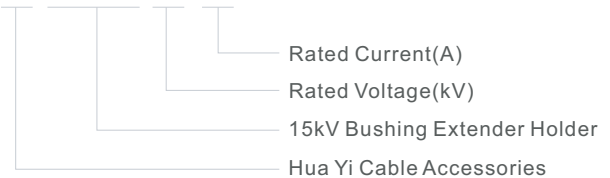


■ Overview

15kV bushing extender holder is designed for transformers, outdoor surrounding cable supply cabinet and switch cabinet. Insulated for 200A outgoing line. It connects with bushing joint, rotatable feedthru insert or surge arrester.

■ Product Model

HY JCTGZ-15/200

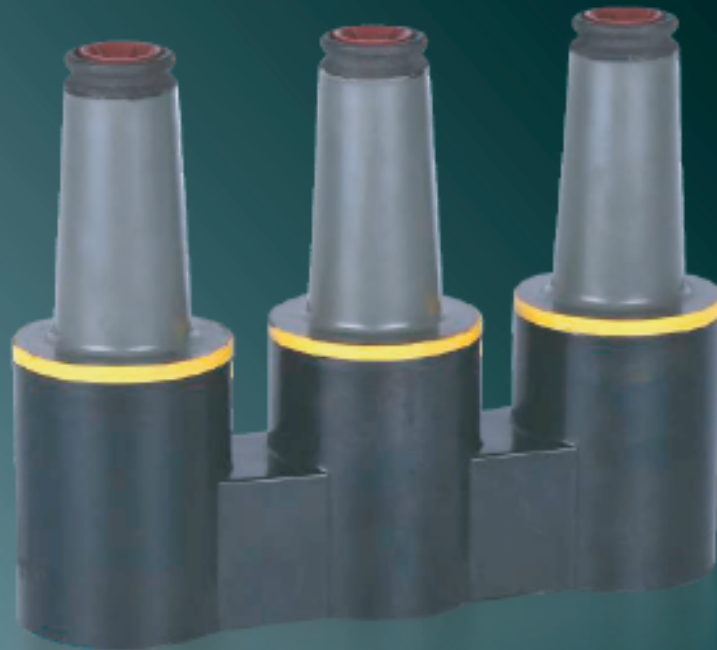


■ Product Features

- Excellent mechanical and electrical performance;
- The special rainshed structure increases the creepage distance and effectively improves the electrical performance of the equipment.

15kV Bus-bar

HY MP-15/200



Overview

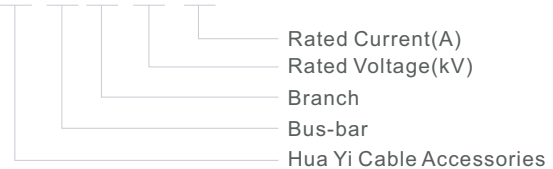
15kV/200A bus-bar acts as a bus in the cable branch. It can combine cable plug head, elbow surge arrester, 200A insulated protective cap as a cable branch lines. Its internal arc extinguishing medium, and elbow plug head with energy band load plug.

Product Features

- Full insulation, full sealing, high quality;
- Effectively eliminate the cable connector plug type arc, ensure the safe operation of equipment;
- Conductive strip made of copper which ensures smooth current and good cooling.

Product Model

HY MP -15/200



Type Table

| Item Code | Branch |
|----------------|--------|
| HY MP 2-15/200 | 2 |
| HY MP 3-15/200 | 3 |
| HY MP 4-15/200 | 4 |

15/25kV Bushing Holder

HY TGZ-15/200
HY TGZ-25/200



Overview

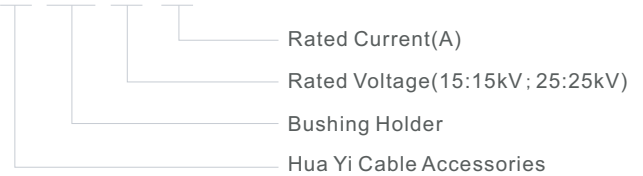
15/25kV bushing holder provides interfaces for 200A cable joint, it is mainly used for American box, outdoor ring net switch cabinets and other equipment. It is installed in the side of the American box change and high voltage winding connection and installed in the outdoor ring on 200A line side. It also connects to the common cable accessories including single bush joint, two-way bushing joints, etc.

Product Features

- Excellent mechanical and electrical performance;
- The semi-conductive layer outside the surface of the products is uniform and the surface grounding is more effective without shedding;
- Internal arc extinguishing structure, matched with elbow plug, can break 200A load current;
- Excellent electrical conductivity, small contact resistance when matched with time-type plug.

Product Model

HY TGZ- /200



Type Table

| Product Name | Item Code | Rated Voltage |
|--------------------------|---------------|---------------|
| 15kV 200A Bushing Holder | HY TGZ-15/200 | 15kV |
| 25kV 200A Bushing Holder | HY TGZ-25/200 | 25kV |

15/25kV Insulated Cap

HY JYM-15/200

HY JYM-25/200



■ Overview

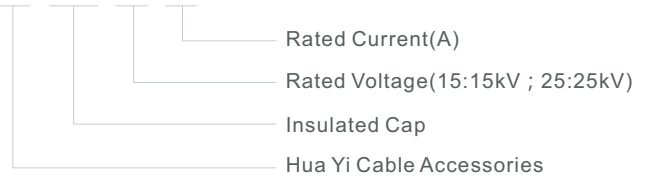
15kV/25kV insulated cap is as an attachment to the charged casing accessories, to provide insulation for charged casing insulating sleeve, to provide dust-proof and moisture-proof envelope for uncharged joint. 200A insulation cap can be installed in 200A bush, bus-bar and hanging device. When the bus-bar and cable joint reserve have a spare line, must be sealed it with the 200A insulated cap.

■ Product Features

- Excellent electrical properties, tear resistance, ozone resistance, oxidation resistance, corrosion resistance, high mechanical strength;
- The interlayer gap is avoided and partial discharge is minimized;
- Has good thermal stability and thermodynamic performance, good sealing performance, can work under water.

■ Product Model

HY JYM- /200



■ Type Table

| Item Code |
|----------------------|
| HY YJM-15/200 (15kV) |
| HY TGZ-25/200 (25kV) |

15kV Rotatable Feedthru Connector

HY SST-15/200



■ Overview

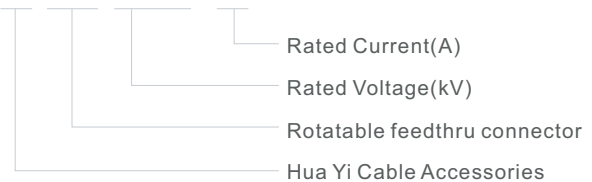
Rotatable feedthru connector is used to provide dual bushings from a single apparatus bushing well. One of the way has similar functions with single joint, the other one to connect the elbow arrester (improve over-voltage protection), or to change the connection mode of box. It is mainly used for connecting underground cable to distribution power system of pad-mound transformer. surrounding power supply box. Using together with this is elbow connector, elbow surge arrester and apparatus bushing.

■ Product Features

- Good internal structure design of double-way bushing ensures normal arc extinguishing when disconnecting form time-type joint;
- The unique anti-reversal design ensures that the double-way bushing joint rotates to the correct installation position without compromising connectivity.

■ Item Code

HY SST-15/25 /200



■ Product Model

| Item Code |
|----------------------|
| HY SST-15/200 (12kV) |
| HY JYM-25/200 (25kV) |

17kV Elbow Surge Arrester

HY BLQ-17/50



Overview

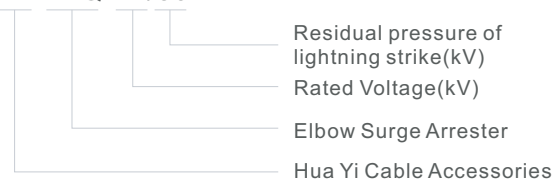
17/50kV elbow surge arrester is widely used on medium voltage network, such as transformer switch gears and others. Product design is suitable for installation in 200A load plug interface, to protect equipment from damage by over-voltage and effectively prolong the service life of equipment.

Product Features

- The bottom of the surge arrester is with grounding wire, it can effectively connect the lightning impulse voltage to the ground position;
- Good internal structure design of double-way bushing ensures normal arc extinguishing when disconnecting form time-type joint;
- The unique anti-reversal design ensures that the double-way bushing joint rotates to the correct installation position without compromising connectivity.

Product Model

HY BLQ-17/50



Technical Specification

| Test Item | Parameters |
|--|---------------------|
| Rated Voltage | 17kV |
| Lightning Shock Withstand Voltage | ≤45kV |
| Reference Voltage at 1mA DC (kV) | 25 ≤ μ 1m.DC ≤ 27.2 |
| 0.75u=μ1mA Dc Leakage Current | ≤50 μ A |
| 2ms Square Wave Impact Capacity(A) | 150/18times |
| Power Frequency Voltage of Insulating Coat | 54kV |
| Sealing Experiment | Qualified |
| Continuous Running Voltage | 13.6kV |

17kV Surge Arrester Insert

HY DTBLQ-17/50

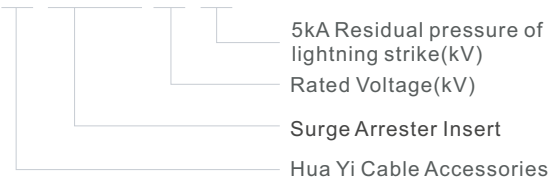


■ Overview

17/50kV surge arrester insert is widely used on medium voltage network, such as transformer switchgears and others. It used together with load break cable accessories such as bushing elbow connector and insulated protective cap.

■ Product Model

HY DTBLQ-17/50



25kV Elbow Cable Connector

HY ZT-25/200



Overview

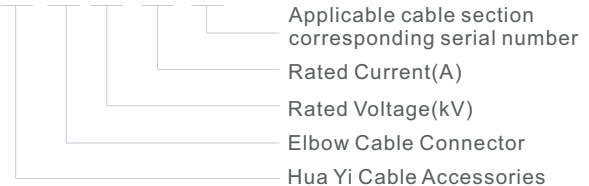
25kV 200 elbow connector is fully-shield and shield and insulated plug-in termination for connecting underground cable to distribution power system of pad-mound transformer, surrounding power supply branch, cable branch box equipped with load bushings. Installed in T-II type cable head the 200A outlet side, 200A bus-bar and American box single-pass (or double pass) bushing joints and load transfer joint, etc.

Product Features

- Test point can install live display to check the live status of the equipment and meet the requirements of the nuclear phase of the line;
- It can be operated with live, but cannot cut off short circuit current;
- It's suitable for XLPE cable with sectional area 25mm²~150mm²;
- It can be used as load switch to switch off 200A current.

Product Model

HY ZT-25/200-



Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer diameter of cable insulation layer(mm) |
|----------------|--|--|
| HY ZT-25/200-1 | 35 | 19.6 |
| | 70 | 21 |
| HY ZT-25/200-2 | 95 | 22.6 |
| HY ZT-25/200-3 | 120 | 24.2 |
| | 150 | 25.6 |

25kV Elbow Surge Arrester

HY BLQ-34/78

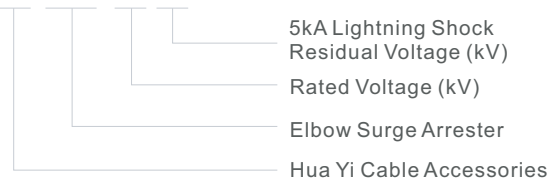


■ Overview

25kV elbow surge arrester is widely used on medium voltage network, such as transformers, switch gears and other equipments.

■ Product Model

HY BLQ-34/78



■ Product Features

- Test point can install live display to check the live status of the equipment and meet the requirements of the nuclear phase of the line;
- It can be operated with live, but cannot cut off short circuit current;
- It's suitable for XLPE cable with sectional area 25mm²~150mm²;
- It can be used as load switch to switch off 200A current.

■ Standard

- ANSI IEEE std386-2006 more than 600V separable insulated connector systems for power distribution systems;
- ANSI IEEE592-1990 Exposed semiconducting shields on high-voltage cable joints and separable insulated connectors;
- IEC60502 Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 35 kV);
- IEC61442 Test methods for accessories for power cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 35 kV);
- GB12706-2002 Power cables with extruded insulation and their accessories or rated voltages from 1 kV (Um = 1,2 kV) up to 35 kV (Um = 40.5 kV);
- GB311.1-1999 Insulation co-ordination for high voltage transmission and distribution equipment;
- GB/T41.9-1999 High pressure casing technology conditions;
- GB11032-2010 Metal-oxide surge arresters without gaps for a.c. systems;
- DIN47636-7-1990 Bushing for separable accessories for power cable with protruding cone; Um up to 35kV, dimensions of the arrangement for bushings and separable connectors.

■ Voltage Feature

| Test Item | 15kV Parameters | 25kV Parameters | 35kV Parameters |
|-------------------------------------|-----------------|-----------------|-----------------|
| Rated Voltage | 8.7kV/14.4kV | 15.2kV/26.3kV | 26kV/35kV |
| Power Frequency Voltage Withstand | 42kV/1min | 55kV/5min | 117kV/5min |
| DC Voltage Withstand | 53kV/15min | 78kV/15min | 104kV |
| Lightning Impulse Voltage Withstand | 95kV | 125kV | 215kV |
| Partial Discharge Voltage < 10PC | 13kV | 22kV | 45kV |

■ Current Performance

| Test Item | 200AMP | 600AMP |
|------------------------|--|---------|
| Load Operating Current | It can perform 10 times of breaking and closing operation at 14.4kV and 200A | |
| Fault Closing Current | It can pass one fail-close operation at 14.4kV and 10000A/0.175 | |
| Thermal Stable Current | 16kA 1s | 30kA 2S |
| Dynamic Stable Current | 40kA | 105kA |

10/24kV Elbow Cable Connector

HY ZT-10/250
HY ZT-24/250



■ Overview

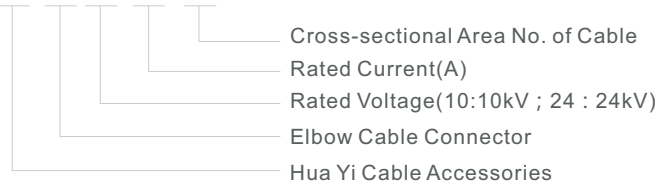
Elbow cable connector is used for connecting cable and transformer, switch gear, cable connection box, etc. It is suitable for indoor and outdoor installation. Products meet the GB/T 12706.4-2002 IEC60502.4-2005.

■ Product Features

- Provides a fully screened and fully submersible separable connection when mated with the proper bushing or plug. It can run under water and other harsh conditions for a long time;
- Built-in capacity test point to determine the circuit status or install a fault indicator;
- No minimum phase clearance requirements;
- Mounting can be vertical, horizontal, or any angle in between.

■ Product Model

HY ZT- /250-



■ Technical Specification

| Test Item | Parameters |
|------------------------------|------------|
| Maximum System Voltage(Um) | 25kV |
| Impulse Withstand Voltage | 125kV |
| Ac Withstand Voltage | 54kV/5min |
| Continuous Rated Voltage | 250A |
| Overload Current | 300A/8H |
| Short-time Withstand Current | 12.5kA/1s |

■ Type Table

10kV Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer diameter of cable insulation layer(mm) |
|----------------|--|--|
| HY ZT-10/250-1 | 25 | 16.6 |
| | 35 | 17.6 |
| HY ZT-10/250-2 | 50 | 19 |
| | 70 | 20.6 |
| HY ZT-10/250-3 | 95 | 22.6 |
| | 120 | 23.6 |

24kV Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer diameter of cable insulation layer(mm) |
|----------------|--|--|
| HY ZT-24/250-1 | 35 | 18.6 |
| | 50 | 19.6 |
| HY ZT-24/250-2 | 70 | 21 |
| | 95 | 22.6 |
| HY ZT-24/250-3 | 120 | 24.2 |
| HY ZT-24/400 | / | / |

10/24kV Straight-through Cable Connector

HYZTS-10-250
HYZTS-24-250



■ Overview

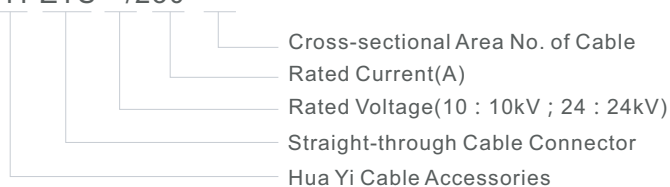
Straight-through type Cable connector is used for connecting cable and transformer, switch gear, cable connection box, etc. Products meet the GB/T 12706.4-2002 IEC60502.4-2005.

■ Product Features

- Provides a fully screened and fully submersible separable connection when mated with the proper bushing or plug;
- Built-in capacity test point to determine the circuit status or install a fault indicator;
- No minimum phase clearance requirements;
- Mounting can be vertical, horizontal, or any angle in between.

■ **Product Model**

HY ZTS- /250-



■ **Technical Specification**

| Test Item | Parameters |
|---------------------------|------------|
| Rated Voltage | 24kV |
| Impulse Withstand Voltage | 125kV |
| Ac Withstand Voltage | 54kV/5min |
| Continuous Rated Current | 250A |
| Overload Current | 300A/8H |
| Short-circuit Current | 12.5kA/1S |

■ **Type Table**

10kV Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer diameter of cable insulation layer(mm) |
|-----------------|--|--|
| HY ZTS-10/250-1 | 25 | 16.6 |
| | 35 | 17.6 |
| HY ZTS-10/250-2 | 50 | 19 |
| | 70 | 20.6 |
| HY ZTS-10/250-3 | 95 | 22.2 |
| | 120 | 23.6 |

24kV Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer diameter of cable insulation layer(mm) |
|-----------------|--|--|
| HY ZTS-24/250-1 | 35 | 18.6 |
| | 50 | 19.6 |
| HY ZTS-24/250-2 | 70 | 21 |
| | 95 | 22.6 |
| HY ZTS-24/250-3 | 120 | 24.2 |

24kV Insulated Cap

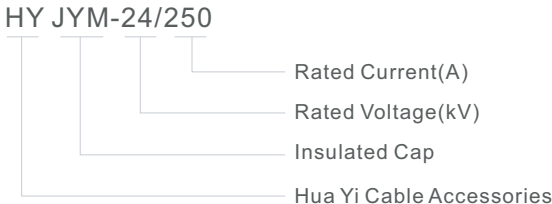
HY JYM-24/250



Overview

24kV 250A insulated cap is as an attachment to the charged casing accessories, to provide insulation for charged casing insulating sleeve, to provide dust-proof and moisture-proof envelope for uncharged joint. 250A insulation cap can be installed in 250A bush, bus-bar and hanging device. When the bus-bar and cable joint reserve have a spare line, must be sealed it with the 250A insulated cap.

Product Model



24kV Bushing Holder

HY TGZ-24/250

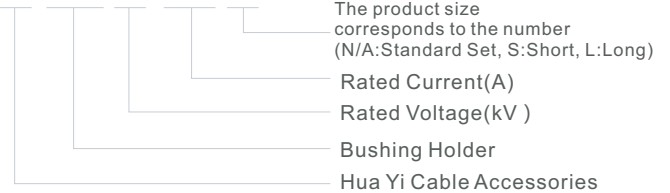


■ Overview

24kV 250A bushing holder provides the interface for the 250A cable connector and mostly used on the oil-insulated (R-temp, hydrocarbon, or silicon) apparatus, including switch gear, transformer and capacitors. The Apparatus Bushing is molded using high quality epoxy rubber, which meet the requirement of standard EN50180/EN50181 DIN47636/HN52-S-61.

■ Product Model

HY TGZ-24 / 250-



■ Type Table

| Item Code | Product Size | |
|-----------------|--------------|-----|
| | A | B |
| HY TGZ-24/250 | 224 | 108 |
| HY TGZ-24/250-S | 189 | 73 |
| HY TGZ-24/250-L | 284 | 168 |
| HY TGZ-24/400 | / | / |

24kV Bushing Holder

HY TGZ-24/400

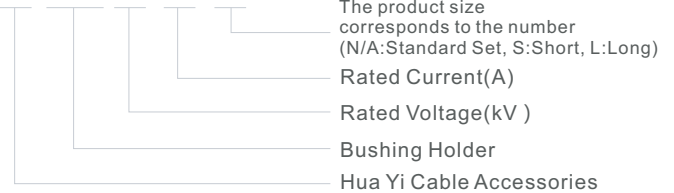


■ Overview

24kV 250A bushing holder provides the interface for the 250A cable connector and mostly used on the oil-insulated (R-temp, hydrocarbon, or silicon) apparatus, including switch gear, transformer and capacitors. The Apparatus Bushing is molded using high quality epoxy rubber, which meet the requirement of standard EN50180/EN50181 DIN47636/HN52-S-61.

■ Product Model

HY TGZ-24/400-



■ Type Table

| Item Code | Product Size | |
|-----------------|--------------|-----|
| | A | B |
| HY TGZ-24/250 | 224 | 108 |
| HY TGZ-24/250-S | 189 | 73 |
| HY TGZ-24/250-L | 284 | 168 |
| HY TGZ-24/400 | / | / |

24kV Extension Bushing Holder

HY JCTGZ-24/250

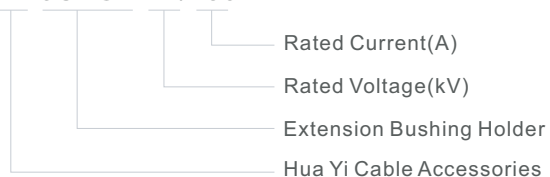


■ Overview

24kV 250A bushing holder provides the interface for the 250A cable connector and mostly used on the oil-insulated (R-temp, hydrocarbon, or silicon) apparatus, including switch gear, transformer and capacitors. The bushing holder is molded using high quality epoxy rubber, which meet the requirement of standard EN50180/EN50181 DIN47636/HN52-S-61.

■ Product Model

HY JCTGZ-24/250



24kV Extension Bushing Holder

HY JCTGZ-24/400

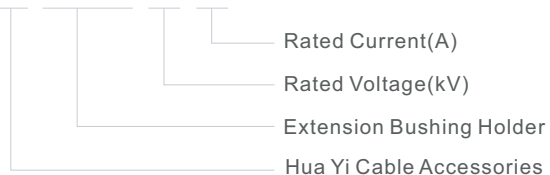


■ Overview

24kV 400A bushing holder provides the interface for the 400A cable connector and mostly used on the oil-insulated(R-temp, hydrocarbon, or silicon) apparatus, including switch gear, transformer and capacitors. The bushing holder is molded using high quality epoxy rubber, which meet the requirement of standard EN50180/EN50181 DIN47636/HN52-S-61.

■ Product Model

HY JCTGZ-24/400



Standard

- ANSI IEEE std386-2006 more than 600V separable insulated connector systems for power distribution systems;
- ANSI IEEE592-1990 Exposed semiconducting shields on high-voltage cable joints and separable insulated connectors;
- IEC60502 Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 35 kV);
- IEC61442 Test methods for accessories for power cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 35 kV);
- GB12706-2002 Power cables with extruded insulation and their accessories or rated voltages from 1 kV (Um = 1,2 kV) up to 35 kV (Um = 40.5 kV);
- GB311.1-1999 Insulation co-ordination for high voltage transmission and distribution equipment;
- GB/T41.9-1999 High pressure casing technology conditions;
- GB11032-2010 Metal-oxide surge arresters without gaps for a.c. systems;
- DIN47636-7-1990 Bushing for separable accessories for power cable with protruding cone; Um up to 35kV, dimensions of the arrangement for bushings and separable connectors.

Voltage Feature

| Test Item | 15kV Parameters | 25kV Parameters | 35kV Parameters |
|-------------------------------------|-----------------|-----------------|-----------------|
| Rated Voltage | 8.7kV/14.4kV | 15.2kV/26.3kV | 26kV/35kV |
| Power Frequency Voltage Withstand | 42kV/1min | 55kV/5min | 117kV/5min |
| DC Voltage Withstand | 53kV/15min | 78kV/15min | 104kV |
| Lightning Impulse Voltage Withstand | 95kV | 125kV | 215kV |
| Partial Discharge Voltage < 10PC | 13kV | 22kV | 45kV |

Current Performance

| Test Item | 200AMP | 600AMP |
|------------------------|--|---------|
| Load Operating Current | It can perform 10 times of breaking and closing operation at 14.4kV and 200A | |
| Fault Closing Current | It can pass one fail-close operation at 14.4kV and 10000A/0.175 | |
| Thermal Stable Current | 16kA 1s | 30kA 2S |
| Dynamic Stable Current | 40kA | 105kA |



15kV T Cable Connector

HY TT-15/600

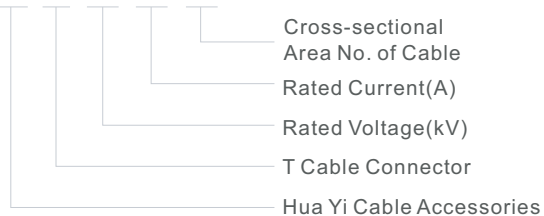


Overview

T cable connector is used for cable connection equipment, American box transformer, ring network cabinet and cable distribution box, as the incoming and outgoing cable connection. It can be used for 600A bus-bar, T-T multi-combination connection through the middle connector, or 200A elbow cable connector or elbow surge arrester through 600/200A conversion head. The live indicator can be installed on the live test point, which can also meet the requirements of the nuclear phase of the line.

Product Model

HY TT-15/600-



Type Table

| Item Code | Cable Sectional Area(mm ²) | Outer diameter of cable insulation layer(mm) |
|----------------|--|--|
| HY TT-15/600-1 | 25 | 16.6 |
| | 35 | 17.6 |
| | 50 | 19 |
| HY TT-15/600-2 | 70 | 20.6 |
| | 95 | 22.2 |
| HY TT-15/600-3 | 120 | 23.6 |
| | 150 | 25.2 |
| HY TT-15/600-4 | 185 | 26.7 |
| | 240 | 29 |
| HY TT-15/600-5 | 300 | 31.2 |
| | 400 | 34.4 |
| HY TT-15/600-6 | 500 | 37.2 |

15kV T II T Cable Connector

HY T II T-15/600



■ Overview

T II T cable connector is used for cable connection equipment, American box transformer, ring network cabinet and cable distribution box. It can connect 600/200A conversion head through 200A elbow cable connector or elbow surge arrester. The live indicator can be installed on the live test point.

■ Product Model

HY T T-15/600

- Rated Current(A)
- Rated Voltage(kV)
- T II T cable connector
- Hua Yi Cable Accessories

15kV T Connector

HY-TTL-15/600

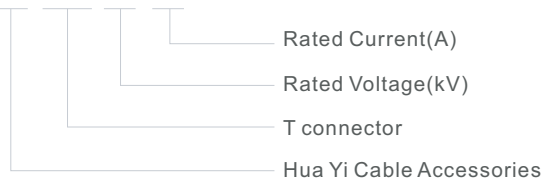


■ Overview

600A T connector provides a transition for the 600A T cable connector, which is mainly used for the direct combination of cable ends (without bus-bar connection). Common cable accessories connected to it include t connector and T-II connector.

■ Product Model

HY TTL-15/600



15 kV Integral Dead Break Bushing

HY ZHT 15-600/200

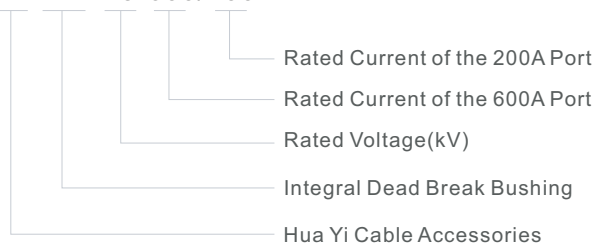


■ Overview

600A/200A Integral Dead Break Bushing is used to convert a standard 600A dead break interface to a standard 200A load break integral. Used with a 200A insulated protective cap M.O.V Elbow Arrester, Grounding Elbow or Load Breaker Elbow Connector. A integral dead break bushing provides a fully shielded. It will be T-II connect if connects with T connect.

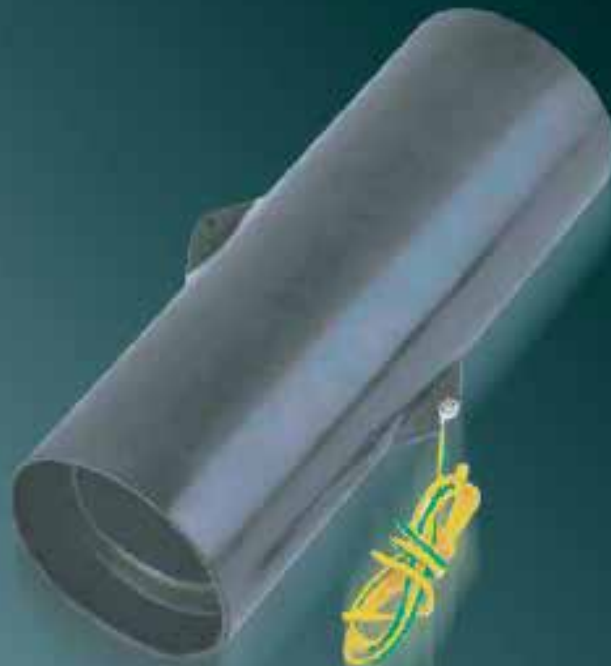
■ Product Model

HY ZHT 15-600/200



15kV Bushing Extender

HY YCG-15/600

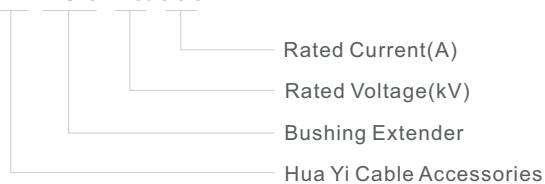


■ Overview

The 600A bushing extender is mated with the conversion head to form a 600A/200A conversion head with extension bush, which can be installed directly on the 600A bus-bar or 600A bushings. The 200A jack can be installed with elbow surge arrester or elbow cable connector.

■ Product Model

HY YCG-15/600



15kV Insulated Cap

HY JYM-15/600

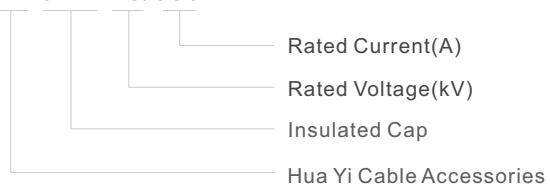


■ Overview

15kV 600A insulated cap is as an attachment to the charged casing accessories, to provide insulation for charged casing insulating sleeve, to provide dust-proof and moisture-proof envelope for uncharged joint. 600A insulation cap can be installed in 600A bush, bus-bar and hanging device. When the bus-bar and cable joint reserve have a spare line, must be sealed it with the 600A insulated cap.

■ Product Model

HY JYM-15/600



15 kV American Integrated Bush

HY JCTG-15/600

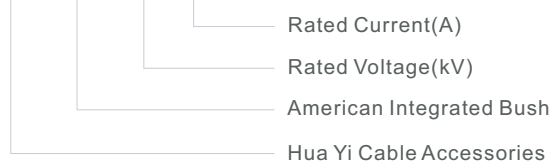


■ Overview

600A integral bush or vacuum switch bush are designed for Cable Branch Cabinet with SF6 Switch. Separable connectors, such as 600A and T-II connector can be used with these bushing. These bushing are made by export resin. With the skirt make the Rotatable Feedthru Bushing can be used better.

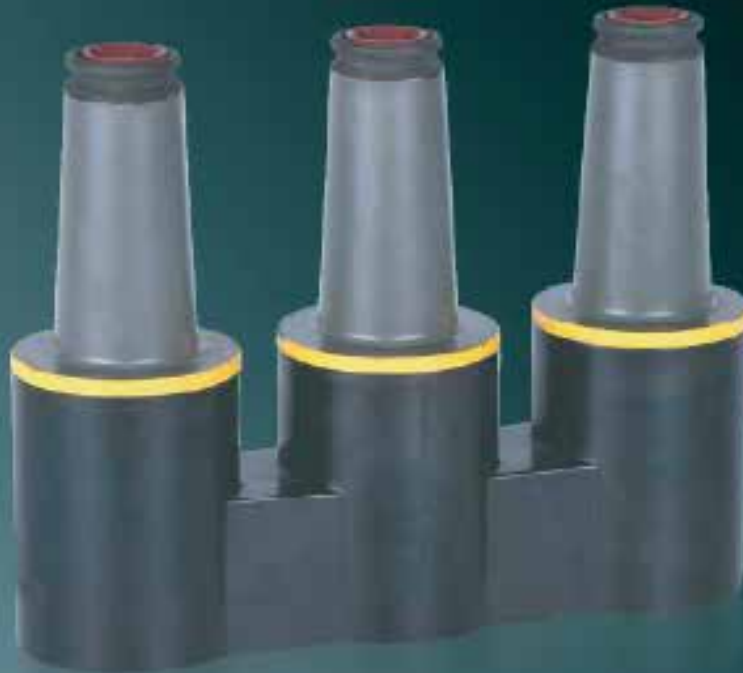
■ Product Model

HY JCTG-15/600



15kV Bus-bar

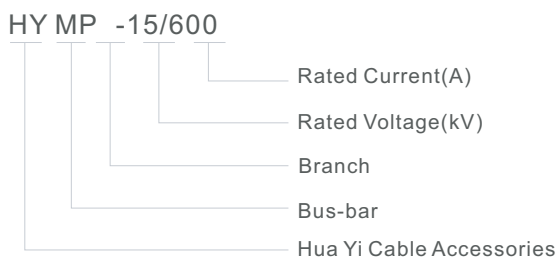
HY MP-15/600



Overview

600A bus-bar acts as bus-bar in the cable branch line. It can combine T cable joint, T-II cable joint, 600A extension tube and 600A insulation cap as a cable branch lines.

Product Model



Type Table

| Item Code | Branch |
|---------------|--------|
| HY MP2-15/600 | 2 |
| HY MP3-15/600 | 3 |
| HY MP4-15/600 | 4 |

15kV Hybrid Bus-bar



Overview

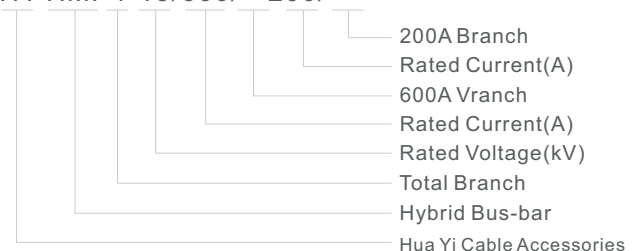
600A/ 200A hybrid bus-bar gathers 200A and 600A bolt type of bus-bar interface. hybrid bus-bar is made of high quality EPDM. It has the characteristics of the insulation, fully sealed. With T type cable joint, T - type cable joint or elbow cable joint connection, configuration is varied.

Product Features

- Test point can install live display to check the live status of the equipment and meet the requirements of the nuclear phase of the line.
- IT can be operated with live, but cannot cut off short circuit current.
- It's suitable for XLPE cable with sectional area 25mm²~150mm².
- It can be used as load switch to switch off 200A current.

Product Model

HY HMP4-15/600/ -200/



Type Table

| Product Name | Item Code |
|---------------------|------------------------|
| 15kV Hybrid Bus-bar | HY HMP4-15/600/1-200/3 |
| | HY HMP4-15/600/2-200/2 |
| | HY HMP4-15/600/3-200/1 |

12kV Cable Branch Box



■ Overview

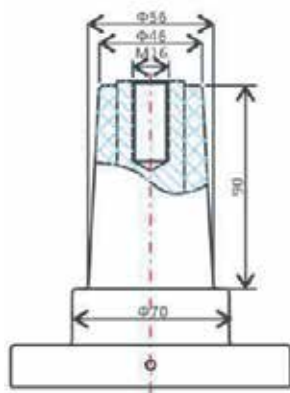
Europe type cable branch box is special electrical equipment in distribution system for collecting and tapping. The main spare parts consists of the box body, insulation sleeve, shielding separable connector, charged display. The cable can finish the electrical connection through the separable connector and insulation sleeve and realize collected and tapping function. The box body is made of stainless steel plate with the feature heat insulation, ventilation and corrosion resistant, compact structure, convenient installation. Its surface plastic spraying which is modelling beautiful and generous. So it can urban green belts, belt and other natural scenery. It is widely used for cable engineering equipment in electric power distribution network system in recent years.

■ Product Features

- Two-way door, simple installation, maintenance-free ;
- It uses butt bushing as connection bus and has the advantages of small length, clear cable arrangement, etc.
- Multi-loop power supply in the small box can achieve branch and docking.
- Full sealing, full installation, full protection structure design, outdoor maintenance free, shell protection grade Ip33.
- Box layout is reasonable, small size, compact structure, beautiful appearance.

Overview

Europe type cable branch box is special electrical equipment in distribution system for collecting and taping. The main spare parts consists of the box body, insulation sleeve, shielding separable connector, charged display. The cable can finish the electrical connection through the separable connector and insulation sleeve and realize collected and tapping function. The box body is made of stainless steel plate with the feature heat insulation, ventilation and corrosion resistant, compact structure, convenient installation. Its surface plastic spraying which is modelling beautiful and generous. So it can urban green belts, belt and other natural scenery. It is widely used for cable engineering equipment in electric power distribution network system in recent years.



Technical Specification

| Test Item | Parameters |
|-----------------------------------|---------------------------------------|
| Rated Voltage | 12kV |
| Rated Current | 630A |
| Main Circuit Contact Resistance | 50 μ Ω |
| Insulation Resistance | 20MΩ |
| Power Frequency Withstand Voltage | 42kV |
| Lightning Shock Withstand Voltage | 95kV |
| Partial Discharge | Under 15kV, 10pC |
| Cross-sectional Area No. of Cable | 25mm ² ~500mm ² |
| Box Protection Class | IP33 |

Type Table

| Item Code | Wiring Scheme | Reference Size |
|-----------|--|----------------|
| DF-12-2 |  | N/A |
| DF-12-3 |  | 550*700*950 |
| DF-12-4 |  | 550*820*950 |
| DF-12-5 |  | 550*940*950 |
| DF-12-6 |  | 550*1060*950 |
| DF-12-7 |  | 550*1180*950 |
| DF-12-8 |  | 550*1300*950 |

| Product Name | Item Code | |
|--------------------|----------------------|--------------------|
| | Stainless Steel Case | Ordinary Iron Case |
| Cable 2-Branch Box | DF-12-2 | DF-12-2-P |
| Cable 3-Branch Box | DF-12-3 | DF-12-3-P |
| Cable 4-Branch Box | DF-12-4 | DF-12-4-P |
| Cable 5-Branch Box | DF-12-5 | DF-12-5-P |
| Cable 6-Branch Box | DF-12-6 | DF-12-6-P |
| Cable 7-Branch Box | DF-12-7 | DF-12-7-P |
| Cable 8-Branch Box | DF-12-8 | DF-12-8-P |

Cable Joint Protection Box



Overview

As the cable intermediate joint is completed by manual installation at the scene, it is influenced by the construction environment and running environment, cable breakdown and explosion accident would inevitably exist because of the installation error, external force damage, water in into cable. It will release a lot of energy which causes a harm to surrounding other electric power facilities or personnel, and even causes secondary explosion accidents.

Cable joint box is to limit the high-pressure air flow, flame, and debris which may caused by explosion in explosion box, to prevent accident expanding.

Product material: glass fiber reinforced plastic

Processing mode: glass fiber reinforced plastic sheet mixing moulding

Product use: Mainly used for cable connection. Add a layer of protection joint in the middle after the joint is made completely.

Application: Cable joint explosion-proof box is widely used in power plants, power transmission and transformation, metallurgical, petrochemical, and other fields' the installation of the channel tunnel and the underground buried.

Recommended Use Method

Indoor with good environment conditions: Use shell, choose two head seal sealing material.

Indoor with bad environmental conditions (such as in the cable well or in the cable trench) or outdoor: Apply shell internal filling material, use two head seal sealing material.

Product Features

- The joint explosion-proof box has good corrosion resistance, which can effectively resist water, alcohol, electrolytic salt, acetic acid, hydrochloric acid, potassium sodium compounds, urine, asphalt and various kinds of acid and alkali soil and the corrosion of acid rain.
- Explosion-proof box outside surface coated with uv coating, adapt to all kinds of bad weather;
- Apply to high stress levels. After the overall filling materials, products of good seal performance, good thermal performance. It can better protect the joint running in all kinds of bad environment;
- If the joint failure, it can protect the surrounding personnel and objects from harm or loss;
- The product can drain holes. When the e joint failure, it can through the drainage hole drainage can first, and then protect box body from the impact.

Type Table

| Product Name | Item Code | Specification |
|----------------|-----------|---------------|
| Cable Joint | ZJB-10kV | 10kV |
| Protection Box | ZJB-35kV | 35kV |

Notes: 2pcs or 4pcs for 10kV box, 4pcs only for 35kV box.