

Cold Shrinkable Joint (8.7/15 kV)

Product Descriptions

- High quality raw material: High quality liquid silicone rubber is selected as raw material, which has the advantages of reliable insulation performance, excellent electrical performance, pollution resistance, aging resistance, hydrophobicity and cold resistance.
- Advanced equipment and leading technology: Use advanced equipment for production. The product are free of bubbles, scorch and other impurities. The interface between insulation and semiconductor shielding is well bonded without cracks or peeling.
- Easy to install: Taking advantage of "elastic memory" of rubber and adopting expansion technology, the rubber parts of cable accessory are pre-extended and sleeved into plastic support within the elastic range. When the plastic support is removed during installation, the rubber parts of cable accessories will shrink quickly on the cable.
- Widely use: It is suitable for high altitude, cold, smoke and heavy pollution areas. Especially in flammable and explosive industries such as petroleum, chemical industry and mining.

Technical Requirements

- The connector can be chosen as the compression or sheat bolt.
- If it is immersed in water for a long time during operation, a fiberglass shell and waterproof glue are required.
- This product is suitable for XLPE cable with corrugated aluminium sheath and wire shield.
- Applied standard: GB/T 12706.4, IEC 60502.4.
- There are many choices for the waterproof structure of the joint:
 - a) Waterproof tape plus armor tape (conventional product);
 - b) Plastic mesh cover plus epoxy waterproof sealant;
 - c) Waterproof tape plus armor tape, fiberglass shell and cable waterproof sealant.

Technical Specifications

Area Of Application

Applicable cable cross-sections:	25 ~ 630 mm ²
Max.system voltage:	17.5 kV
System rated frequency:	50 Hz
Elevation:	≤2000 m
Operation temperature:	-55 °C~45 °C
Number of cores	1 core, 3 cores
Cable Shield Style	Tape/wire

Design Data

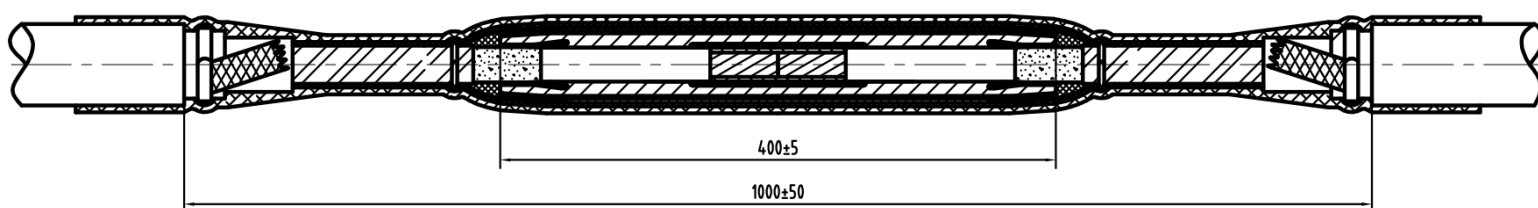
Material of insulator	Liquid silicone rubber
Dimension of insulator (Max.diameter × length)	∅ 51 × 420 mm
Storage temperature	0 °C~35 °C
Installation temperature	5 °C~35 °C

Electrical Test (IEC 60502.4)

AC voltage (5 mins)	39 kV
AC voltage (wet, 1 min)	35 kV
Partial discharge test at ambient and elevated temperature	15 kV(≤ 2.8pC)
Impulse (95 °C ~ 100 °C, 10 impulses of each polarity)	95 kV
AC voltage (after impulse, 15 mins)	22 kV
Humidity	11 kV, 300h
Salt fog	11 kV, 1000h

Sizing Table

Specification	Applicable cable cross-section(mm ²)
1 core	
JLS-1-8.7/10(8.7/15)-25~50	25~50
JLS-1-8.7/10(8.7/15)-70~120	70~120
JLS-1-8.7/10(8.7/15)-150~240	150~240
JLS-1-8.7/10(8.7/15)-300~400	300~400
JLS-1-8.7/10(8.7/15)-500~630	500~630



Specification	Applicable cable cross-section(mm ²)
3 cores	
JLS-3-8.7/10(8.7/15)-25~50	10~16
JLS-3-8.7/10(8.7/15)-70~120	25~50
JLS-3-8.7/10(8.7/15)-150~240	70~120
JLS-3-8.7/10(8.7/15)-300~400	300~400
JLS-3-8.7/10(8.7/15)-500~630	500~630

