

We connect your power

  
LOVINK  
ENERTECH



**LoviSil<sup>®</sup>**  
medium voltage joints



LoviSil®  
cable joints  
12 - 36 kV

LoviSil® medium voltage cable joints have been developed featuring fluid silicones that can boast 30 years proven field experience with an extremely low failure rate. Thanks to the construction and characteristics of the silicone based insulation material, LoviSil® joints are particularly suitable for applications with both polymeric and paper-insulated cables.

### Reliable power supply

The key component within LoviSil® joints is fluid silicone, used to provide primary insulation, search out and fill any potentially damaging voids and provide the ideal environment for components. When used on PILC cable, fluid silicone has the same characteristics as cable grease, preventing papers from drying out. When used on polymeric cable, the electrical characteristics of fluid silicone ensures that core installed components and related tasks are kept to an absolute minimum.

The excellent mechanical protection of the joint is guaranteed by combining polyurethane resin and high specification injection moulded outer shells made of recycled ABS. This provides:

- Long-term moisture resistance
- Full insulation of the joint screen allowing sheath test.

### Cost savings

In cases where investment decisions are based on TCO (Total Cost of Ownership), LoviSil® joints score very highly. Thanks to the quality and reliability of LoviSil® technology, the TCO is low.

In addition, Lovink's flexible modular system offers logistical benefits, reducing the stock holding necessary to cater for all cable types.

### Easy installation

LoviSil® jointing system provides an intuitive installation sequence. Components are easily identified and installed in logical order. Clever design of components and a transparent inner joint contribute to an easier installation.

Soldering or shrinking of components is not necessary, requiring fewer tools. Besides flame free installation is often a requirement in the petrochem and mining industry. All this makes the installation comfortable, reliable and quick.

### Successfully tested

LoviSil® cable joints meet the highest quality standards in the field of electrical and mechanical loads. The cable joints have been tested in accordance with IEEE 404 and HD 629 (CENELEC). Moreover, the test was executed at a 2 bar water pressure.



Perfect insulant for all components within the joint

In contact with water or humid air, an insulating rubber is formed.

Minimizes partial discharges

Under fault conditions, no carbon traces are produced

## LoviSil® program

### Transition- and straight through joints



LoviSil® transition and straight through joints are universal and can be used on paper-insulated (PILC or PICAS) and polymeric (XLPE or EPR) cables regardless of cable type: 1 and 3-core, large and small cross-sections and different armours.

### Aftakmoffen



With **LoviSil® branch joints** polymeric cables can be directly connected to paper or polymeric cables. No external joints are needed and less excavation costs.

### Special applications



**LoviSil® oil refill joints** offer a sustainable solution for connecting an existing PILC grid to a new polymeric switchgear. Prevents drying out of PILC cables.



**LoviSil® loop joints** offer a cost saving solution because cable does not need to be looped outside the joint. They both can be installed at the branch side. Saving cable length and excavation time.



**LoviSil® cross-bonding joints** offer an underground solution for the reduction of cable losses caused by circulating currents.



**LoviSil® feed-in joints** offer a cost saving and reliable solution to feed in renewable energy to existing networks without the use of an expensive switchgear.



**LoviSil® repair joints** offer a simple and practical solution in case of limited cable damage, without replacing the cable.



The best connections are made together.

Lovink Enertech is synonymous with intelligent, innovative and cost-effective solutions, which we design, engineer and test from start to finish. We do this for the worldwide energy sector, the industrial sector and the sustainable energy market.

### Customer-specific solutions

Your situation, preferences and objectives form the foundation for solutions and support we offer. Our engineers focus a lot of their time designing customer-specific Solutions.

The Engineering and Development department consists of experienced specialists in the fields of electrical engineering, chemical technology and mechanical engineering. Cooperation between these disciplines leads to intelligent, reliable and user friendly products.

### Education and training

We feel it is our duty to do more than just supply reliable products. In the end, the reliability of our solutions will be determined by the knowledge and skills of your jointers.

We offer a wide range of training programs, varying from 'simple' assembly guidance to complete theoretical and practical training. Lovink Enertech has a well equipped Training & Demo Center, but it is also possible to organize on site instruction.

2017. All technical modifications subject to change.



Energy sector



Industrial sector



Sustainable energy sector



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