



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 splicers.

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.

2017.0 – Technical modifications subject to change



Energy sector



Industrial sector



Sustainable energy sector



# We connect your power



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## We connect your power

# LoviSil®

## medium voltage splices



LoviSil®  
cable splices  
15 kV

LoviSil® medium voltage cable splices 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® splices are particularly suitable for applications with both polymeric and paper-insulated cables.

### Reliable power supply

The key component within LoviSil® splices 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 splice is guaranteed by combining polyurethane resin and high specification injection moulded outer shells. This provides:

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

### Cost savings

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



Perfect insulant for all components within the splice

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

Minimizes partial discharges

Under fault conditions, no carbon traces are produced

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

### Easy installation

LoviSil® splicing system provides an intuitive installation sequence. Components are easily identified and installed in logical order. Smart design of components and a transparent inner splice 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.



Premounted parts



Visually control & filling indication

## LoviSil® program

### Trifurcate transition- and straight through splices



LoviSil® trifurcate transition and straight through splices are universally applicable for paper- and polymeric- insulated cables.

- Universal cable splice
- All cable types

### Maximum cable dimensions LoviSil® cable splices 15 kV

Type	Cable	Conductor size (AWG / MCM) (*)	Conductor size (Crossed)	Max. diameter outer sheath (inch)
M75	Extruded/Laminated (1-core)	4/0 – 1,000	NA	2.8
	Extruded/Laminated (3-core)	1/0 – 250	1/0 – 4/0	2.8
M85	Extruded (3 x 1-core)	1/0 – 250	NA	1.3
	Extruded/Laminated (1-core)	1,250 – 1,750	NA	3.2
	Extruded/Laminated (3-core)	1/0 – 400	1/0 – 350	3.2
M105	Extruded (3 x 1-core)	1/0 – 400	NA	1.5
	Extruded/Laminated (1-core)	1,250 – 2,000	NA	4.1
	Extruded/Laminated (3-core)	1/0 – 600	1/0 – 500	4.1
	Extruded (3 x 1-core)	1/0 – 600	NA	1.9

(\*) Diameter of the overall / jacket diameter and supplied cable modules determines which cable fits in which splice size.

### Oil refill splices



LoviSil® oil refill splices are ideal for providing a trifurcate transition from existing PILC networks to polymeric cables required for connection to new switchgear.

- No aging of PILC cables
- Extending life span of cable networks

### Successfully tested

LoviSil® cable splices meet the highest quality standards in the field of electrical and mechanical loads. The cable splices have been tested in accordance with IEEE 404 and HD 629 (CENELEC). Moreover, the test was executed at a 29 psi water pressure.