

We connect your power

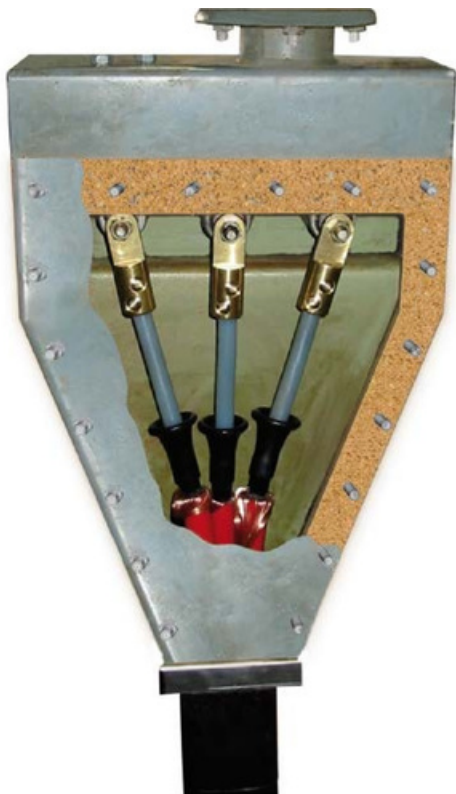
  
LOVINK  
ENERTECH



**LoviSil®**

Insulating compound and  
termination servicing kit





LoviSil® insulating compound is an excellent material for servicing and maintaining terminations thanks to its high-quality electrical and insulating properties. This extends the systems' service life and improves quality. Polymeric cables can also be fitted directly onto terminations suitable for paper-insulated lead cables.

### Extending service life

LoviSil® insulating compound application involves replacing the grease orbitumen in existing terminations. Grease and bitumen are first removed from the termination, which is then filled with LoviSil® insulating compound. This increases the insulating capacity, prevents the paper from drying out and significantly increases the termination's service life.

### No refilling

Oil is added regularly to oil-filled terminations. This is not necessary with LoviSil® insulating compound as the top skin of the layer of silicone dries out. This forms a sealant whereby the insulating material is not drawn from the termination.

### No transition joint needed

Many existing terminations are based on paper-insulated lead cables while new networks are built using polymeric cables. The choice is often made to make a transition joint so that paper-insulated lead cables can still be fitted into the termination. Thanks to the LoviSil® insulating compound, polymeric cables however can be fitted directly.

### Complete kit

For this application, Lovink Enertech provides a servicing kit consisting of silicone compound and some stress cones for the field grading. Earthing material can be added to these kits at the customer's request.

### Electrical properties

The silicone compound's dielectric constant is greater than or equal to that of the cable material thus producing intrinsic field grading properties. The medium remains fluid and minimizes the chance of partial discharge by air inclusion or the drying out of paper layers. The higher level of breakdown strength of LoviSil® compound compared with mineral or synthetic oil significantly reduces the chances of breakdown.

### Perfect encapsulation

The surface tension of fluid silicone is much lower than that of water or synthetic oils. The material therefore spreads easily over the surface of various materials and ensures a perfect encapsulation. The fluid therefore offers the best possible electrical protection. The fluid properties of the insulating medium improve tracking resistance on the interface.

### Insensitive to temperature

The electrical properties of silicone compound, such as tracking resistance and dielectric strength are very stable as regards temperature fluctuations. The material can therefore be applied in all circumstances.



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