

We connect your power


LOVINK
ENERTECH



LoviSil[®]

Crossbonding straight through joints

Lovink Enertech delivers solutions that guarantee a continuous supply of electricity. Our day-to-day activities involve developing reliable and easy-to-assemble cable joints. One of our main challenges is to create smart solutions for customer-specific projects.



Preventing cable losses

Within the universal LoviSil® concept a simple yet effective method has been devised for the reduction of cable losses caused by compensating currents.

Ohmic losses can occur in the earthing plate of cables as a result of compensating currents. After all, the core will induce voltages. The losses are caused by the current that will start to pass through the earthing plates as a result of these voltage differences. At high voltages a crossbonding method is used for this. Hereby the electrical section is divided into three equal parts and after each part the earthing plates are cross-connected to each other. Using this method the Ohmic losses are kept to a minimum.

Lovink Enertech has developed an underground solution – the special LoviSil® crossbonding joint.

Effective solution

Using a special yet simple method the LoviSil® straight through joint is fitted with a flexible crossbonding cable. First of all the cable is finished with stress control tape and copper mesh tape. A clamp is then used to connect the bundled earthing plate to a flexible crossbonding cable, with a twisted copper core which is the same as that of the earthing plate (usually 50 mm²). At both sides, these flexible cables are brought to the outside by means of swivels fitted in the upper shell. The configuration has been successfully tested in accordance with HD629.

Universal concept

The crossbonding joint can be used up to 36 kV, for single core polymeric cables with a maximum cable diameter of 115 mm. It goes without saying that this LoviSil® solution generates considerable savings when cable losses are prevented by it's installation.



Experiences in the market

"It was the intention to achieve crossbonding in the current LoviSil®-concept. This means that jointers work with a universal joint and do not have to switch."

Gerard Geist, Sr. Advisor Asset Management – Cogas (NL)

"People in product development and commercial were very involved during implementation."

Erwin Kolman, Operational Manager – Cogas (NL)



Lovink Enertech B.V.
Lovinkweg 3
PO-box 111
7060 AC Terborg, The Netherlands
T +31 (0)315 33 56 00
I www.lovink-enertech.com
E info.le@lovink.com

We connect your power

