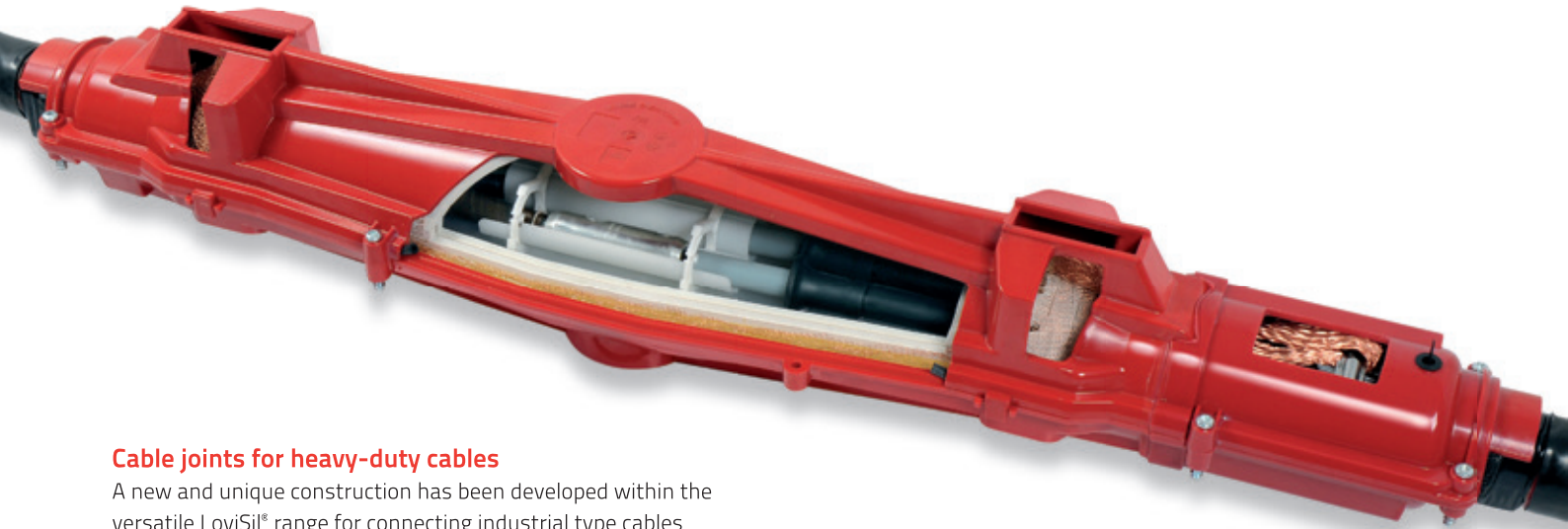


Lovink Enertech delivers solutions that guarantee a continuous supply of electricity. Our day-to-day activities involve developing reliable and easy-to-assemble cable joints. One of our main challenges is to create smart solutions for customer-specific projects.



Cable joints for heavy-duty cables

A new and unique construction has been developed within the versatile LoviSil® range for connecting industrial type cables of larger outer diameters. These cables may have increased components such as double armour (DWA) or lead sheath as well as copper tape screens. Not only does this variation cater for larger OD's, it also provides addition length to accommodate the necessary bonding of each component. Catering for these less common cables does not require a completely different joint, as is the case for some other technologies, just selecting the alternative outer shell and cable module.

Effective solution

These benefits are achieved by increasing the entry to 120 mm diameter and extending the outer shell by 160 mm which creates a generous space for all aspects of equipotential and fault current earth bonding. Finally, and importantly, the extension increases core and sheath surface area within the resin area enhancing the already excellent moisture sealing of the joint.

Universal concept

The extended cable joints can be applied as transition, straight through and branch joints up to 36 kV, and for cables with a maximum diameter of 120 mm whether single or three core. Either one end or both sides of the cable joints can be extended, maintaining the universal capability of LoviSil® cable joints.

Testing

The mechanical and electrical protection are tested in accordance with HD629. In addition, supplementary structural testing was successfully completed.



Successful applications

The extended outer shells were engineered for Western Power Distribution, one of the largest UK network providers. The joints are being used in areas where three core polymeric cables have been laid in the past, including cables with a collective copper wire screen and armoured cables with a copper tape screen.



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