



# EHV cable accessories

The complete range for all 300-550 kV high-voltage cables

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The new range of high-voltage cable accessories includes dry, pluggable cable connections for transformers and gas-insulated substations (GIS), cable terminations, cable joints and pluggable cable joints. The type-tested accessories can be used for all XLPE cables and are adapted individually to the cable used. Therefore, for the first time ever, cable lengths can be constructed with accessories from a single source. The field control units under high load during operation are individually tested before delivery according to IEC 62067. This ensures the highest operational safety for decades.

## EHV-CONNEX dry, pluggable cable connector



In the EHV version, the type tested connector system for XLPE cables contains copper or aluminum cables with conductor cross sections up to 3,000 mm<sup>2</sup>. An integrated cable bracing system reliably protects the contact system from mechanical load through the cable and simplifies the cable management.

- Nominal current up to  $I_N = 4,000$  A
- Maximum operating voltage  $U_m = 300-550$  kV
- Cu or Al cable up to 3,000 mm<sup>2</sup>
- Diameter over insulation for 300/362 kV: 131 mm
- Diameter over insulation for 420/550 kV: 144 mm
- Tested according to IEC 62067
- Touch proof, waterproof and maintenance-free
- Suitable for offshore use, salt-water resistant

## EHV-CONNEX socket for transformers and GIS



The EHV version of the CONNEX sockets offer all advantages of the CONNEX system. There are designs for transformers in accordance with EN 50299 and IEC 62271-209 for GIS. If the terminal compartment does not need to be designed according to the standard, the standard design for the sockets allows for an extremely compact construction.

- Nominal current up to  $I_N = 4,000$  A
- Maximum operating voltage  $U_m = 300-550$  kV
- Tested according to IEC 62067
- No gas or oil work during installation
- More compact than conventional systems in accordance with EN 50299/IEC 62271-209 / IEC 62271-209

## IXOSIL ESS cable termination



The supporting cable terminations, ESS model, offer the highest mechanical stability due to the fiber glass reinforced hollow insulator with a water-repellent shield made of silicon. A porcelain version is also available on request. The head armature is equipped with patented SICON bolted technique. These bolts allow the most varied conductor cable cross sections to be connected with the optimum contact force and without special tools.

- Maximum nominal current limited only through the high-voltage cable
- Maximum operating voltage  $U_m = 300-550$  kV
- Cu or Al cable up to  $2,500$  mm<sup>2</sup>
- Tested according to IEC 62067
- Pollution class (65 mm/kV) according to IEC 60815
- Highest mechanical stability thanks to the fiber glass reinforced hollow insulator
- Silicon shielding for ideal water-repellent behavior
- Simple assembly of the head armature
- Maintenance free

## IXOSIL MSA slip-on joint



The time tested interface technology of the IXOSIL joints ensure simple installation and the waterproof, external housing provide maximum operational safety. Using the patented SICON bolted connector allows the conductor to be connected with optimal contact force and without special tools. The cable shielding is adapted individually for cable type and customer needs.

- Maximum nominal current limited only through the high-voltage cable
- Maximum operating voltage  $U_m = 300-550$  kV
- Cu or Al cable up to  $2,500$  mm<sup>2</sup>
- Tested according to IEC 62067

## EHV-CONNEX dry, pluggable, gas-insulated joint



Cables of the most varied designs and sizes can be connected stably using the pluggable cable sockets. Furthermore, they are also used for testing devices and cable systems for separable connection to the high voltage.

- Connection of the most varied cable cross sections and cable types
- Nominal current up to  $I_N = 4,000$  A
- Maximum operating voltage  $U_m = 300-550$  kV
- Cu or Al cable up to  $3,000$  mm<sup>2</sup>
- Tested according to IEC 62067
- Compact construction for space-saving connections
- Pre-tested in the factory
- SF<sub>6</sub> gas insulation with integrated fill-pressure monitoring

## EHV accessories from experts

PFISTERER is an independent manufacturer of cable accessories for all types of medium and high-voltage cables. In addition to cable accessories, the world's broadest product range also offers comprehensive solutions for special applications, as well as a full range of installation and testing accessories. Experienced experts teach the installation of the accessories at the company's training center or directly at the customer site. In addition, the worldwide cable installations, project planning and turn-key creation of complete cable systems also belong to the scope of service.

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In 1921, Karl Pfisterer founded his factory in Stuttgart for special electrical products with the aim of improving the world of power transmission. The PFISTERER Group has pursued this goal of quality and technological leadership for more than 100 years. Today, PFISTERER is one of the world's leading specialists and system suppliers for energy infrastructure – with a complete range of cable accessories, overhead line technology and components along the entire transmission chain from power generation to consumption. With state-of-the-art manufacturing processes and 1,200 employees at 18 international locations, PFISTERER not only connects the power grids of today and tomorrow, but also makes an important contribution to a sustainable and secure energy supply.