

# Pluggable HV Joints for all Purposes

Pluggable Connections for all Cables

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Reliable, installation-friendly CONNEX joints for permanent and temporary HV connections are quick and easy to fit – thanks to their plug connection system and a high degree of pre-assembly. XLPE cables with various conductor materials and cross-sections can be connected to a joint; cable connections can be combined with IXOSIL outdoor cable terminations and CONNEX bushings.

## Cast Resin Joints for 72.5 to 170 kV

CONNEX cast resin joints are proven on land and at sea. They too can cover a range of cable cross-sections – with one compact joint. Reliable on any terrain, whether for permanent or temporary use: they can extend cable runs or form terminations with high electric strength for cable testing. In offshore facilities such as wind farms and platforms, they are used as connection components for submarine cables and internal cable sections.



### Benefits

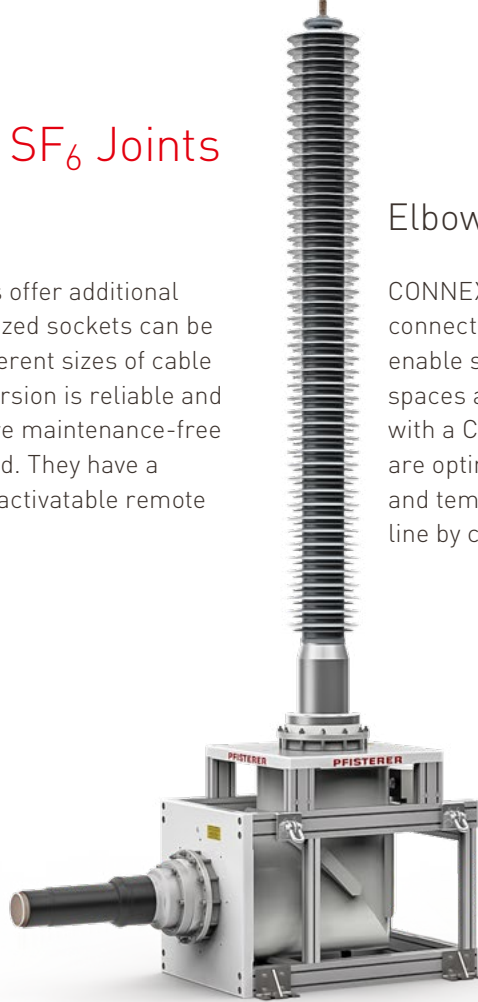
- Dry-type pluggable cable connections
- For temporary or permanent use
- Fast installation thanks to preassembly
- Combination of different conductor materials
- Connects a vast range of cable cross-sections
- Insulating media: Cast resin or SF<sub>6</sub> –gas

## Maintenance-free SF<sub>6</sub> Joints for 72.5 to 550 kV

SF<sub>6</sub> gas-insulated CONNEX joints offer additional flexibility: on request, different-sized sockets can be fitted in the joint body so that different sizes of cable plugs can be connected. Every version is reliable and safe in operation: all SF<sub>6</sub> joints are maintenance-free and 100% vacuum chamber tested. They have a built-in gas density monitor with activatable remote monitoring function.

### Elbow Joints 72.5 - 245 kV

CONNEX elbow joints are uniquely efficient: with two connection points arranged at right-angles, they enable space-saving cable routing in cramped spaces and across multiple levels. In combination with a CONNEX bushing plugged in vertically, they are optimally suited to electrical installation testing and temporarily supplying a facility via an overhead line by cable, e.g. during revision work.



### T-Joints 72.5 - 362 kV

CONNEX t-joints enable versatile branching connections: from one XLPE cable to two XLPE cables, or from an overhead line to two XLPE cables. If one connection point remains unused, it is simply sealed with a dummy plug of high electric strength.



### Connection Joints 72.5 - 550 kV

CONNEX connection joints are great all-rounders: they can extend cable runs or create terminations with high electric strength for cable testing. Combined with IXOSIL outdoor cable terminations, they can implement connections for supplying facilities via overhead power lines by cable.



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