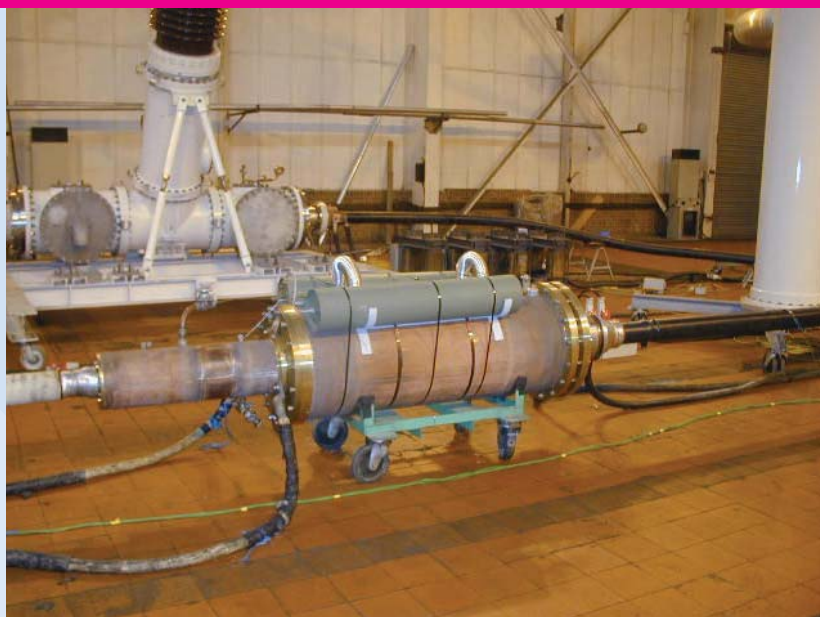


275 & 400kV Transition Joints

HV SYSTEMS

General Technical Features

- > Fluid filled side incorporates existing stop joint design
- > XLPE side is "dry" type design
- > Solid barrier between fluid filled and XLPE sides
- > XLPE side has a plug-in feature
- > 2 separate designs for 275kV and 400kV
- > Standard operating pressure 5 bar
- > Designs available up to 33 bar
- > Re - enterable
- > Fully Type tested



	275kV	System Voltage	400kV
Fluid Filled Cable Min conductor size Max conductor size Conductor details Metallic sheath	500 sqmm 2500 sqmm Cu or Al, Stranded or Milliken Lead or Aluminium		500 sqmm 2500 sqmm Cu or Al, Stranded or Milliken Lead or Aluminium
XLPE Cable Min conductor size Max conductor size Conductor details Metallic sheath	500 sqmm 2500 sqmm Cu or Al, Stranded or Milliken Copper wires/lead, longitudinally welded aluminium or foil laminate		630 sqmm 2500 sqmm Cu or Al, Stranded or Milliken Copper wires/lead, longitudinally welded aluminium or foil laminate
Technical Data Um BIL Length approx Diameter approx	300 kV 1050 kVp 2.8m 0.65m		420 kV 1425 kVp 3.0m 0.65m

As the worlds leading manufacturer of high voltage cables and systems, Prysmian has used its extensive knowledge and experience to develop single core fluid filled to single core XLPE transition joints capable of operating at up to 420kV.

Designed and developed at its in house high voltage laboratory, the range of extra high voltage transition joints uses Prysmians jointing technology to deliver a state of the art product that has been proven and tested to the highest standards.

- > Ancilliary components also available e.g Oil Tanks, Gauge cabinets
- > Technical services such as hydraulic calculations & system design available
- > Developed in conjunction with Prysmian R & D facilities in Milan