hvGrid’s terminations are based upon a proven design with over 50 years of service around the world in operating voltages from 69 kV up to 345 kV. They are designed for paper insulated single conductors, up to 4000 kcmil, to withstand nominal operating pressures of 100 psig (690 kPa) and maximum transient pressures of up to 150 psig (1035 kPa).

Stress control within the termination is achieved by utilizing either a stress cone with lip flare, a stress cone with insulated stress ring or capacitance type condenser cone.

All terminations are designed in accordance to IEEE Standard 48 for class 1 terminations.

Low-pressure fluid-filled outdoor terminations are available in operating voltages from 69 kV up to 345 kV. The termination utilizes a porcelain bushing with a minimum pollution creepage distance of medium level, as classified by IEC 815. Available optional items include 4-hole NEMA pad or universal type aerial lugs, and cast epoxy or porcelain mounting insulators.

Low-pressure fluid-filled oil-immersed (cubicle) terminations are available in operating voltages from 138 kV up to 345 kV. The termination utilizes a porcelain bushing specifically designed to be mounted within a metal cubicle filled with dielectric oil, typically inside transformers. The mounting plate of the termination can be custom designed to suit the specific requirements of the cubicle or transformer interface.

Low-pressure fluid-filled gas-insulated switchgear (SF6) terminations are available in operating voltages from 138 kV up to 230 kV. The termination utilizes a cast epoxy bushing specifically designed to be mounted within a metal clad switchgear. The termination interface and components are designed in accordance to IEC 60859.

hvGrid custom designs and supplies terminations that match a variety of mounting arrangements. This allows our terminations to be a compatible replacement for any brand or manufacturer.

For more information please contact us:

hvGrid-tech Inc. • 23 Cardico Drive, Unit #2 • Gormley, Ontario • L0H 1G0 • Canada
Tel: (905) 888-7771 • Fax: (905) 888-7772 • www.hvgrid-tech.com