

Terminations for polymer cables

Dry type plug-in terminations for polymer cables

Dry type plug-in terminations have been in growing demand over the past years. Free of any insulating oil, they are with a cast resin body and designed to fit perfectly into your GIS.

Their main advantages are:

- Lightweight
- Easy to handle
- Can be plugged into the GIS without need of additional work at the GIS itself (such as evacuation work at the GIS)
- Cable and termination can be installed independently of the erecting of the GIS

For dry type plug-in terminations, stress cones are very important for field grading, much more than for the traditional terminations. High quality stress cones are therefore vital if long-term reliability of the termination is to be achieved. The dry type plug-in terminations profit from the outstanding properties of the prefabricated, one-piece and pretested SiR slip-on stress cones of Brugg Cables.

A special feature of the dry type plug-in termination of Brugg Cables is their design, which allows them to fit into every type of GIS, independent of whether these were constructed according to the old- or new GIS standards. This gives you, our customer, even more flexibility in your application with our terminations.

All terminations are designed and tested according to international standards, such as IEC 62270-209 (GIS standard), IEC 60840 (≤ 170 kV), IEC 62067 (> 170 kV), IEC 60071 (insulation coordination) or IEEE Std 48-1996.

Profit from the advantages of our terminations for polymer cables. All our dry type plug-in GIS terminations are designed to be used independently of any type of polymer cable or cable manufacturer from 72.5 to 170 kV and up to a conductor cross-section of 2500 mm².



Technical data of dry type plug-in GIS terminations for polymer cables

Operating voltage	Ø over XLPE insulation	Max. conductor cross-section (Cu/Al)	Max. Ø of outer sheath	Type	Application
U_{max}/kV	mm	mm ²	mm		
170	43 - 100	2500	150	TFD 1.170-11	GIS
245	74 - 126	2500	150	TFD 1.245-11	GIS
170	43 - 100	2500	150	TTD 1.170-11	Transformer
245	74 - 126	2500	150	TTD 1.245-11	Transformer