

## Terminations for polymer cables

# GIS terminations for polymer cables

GIS terminations were developed for use in SF<sub>6</sub>-gas insulated switchgears (GIS). Made with a cast resin body, they are designed to fit perfectly into your GIS.

### Their main advantages are:

- Lightweight
- Easy to handle
- Classical tried and tested design with high tolerances for cables and applications
- Excellent track record in numerous countries and climate zones
- In service for more than 30 years at Brugg Cables with outstanding results

GIS terminations for polymer cables profit from the outstanding properties of the prefabricated, one-piece and pretested SiR slip-on stress cones.

All terminations are designed and tested according to international standards, such as IEC 62271-209 (GIS standard), IEC 60840 ( $\leq 170$  kV), IEC 60071 (insulation coordination) IEC 62067 ( $> 170$  kV) or IEEE Std 48-1996.

Profit from the advantages of our GIS terminations for polymer cables. All our GIS terminations are designed to be used independently of any type of polymer cable or cable manufacturer from 72.5 to 550 kV and up to a conductor cross-section of 2500 mm<sup>2</sup>.



### Technical data of GIS terminations for polymer cables

Operating voltage $U_{max}/kV$	$\varnothing$ over XLPE insulation mm	Max. conductor cross-section (Cu/Al) mm <sup>2</sup>	Max. $\varnothing$ of outer sheath mm	Type	Creepage distance mm
72.5	35 - 68	1000	115	TF 1.72-11	500
145	57 - 80	1000	150	TF 1.170-11	690
	80 - 108	2500	150	TF 1.170-12	710
170	80 - 108	2500	150	TF 1.170-12	690, 710
245	76 - 115	2500	150	TF 1.245-11	900
300	76 - 115	2500	150	TF 1.300-11	900
420	76 - 129	2500	170	TF 1.420-11	1385
550	90 - 129	2500	170	TF 1.550-11	1385