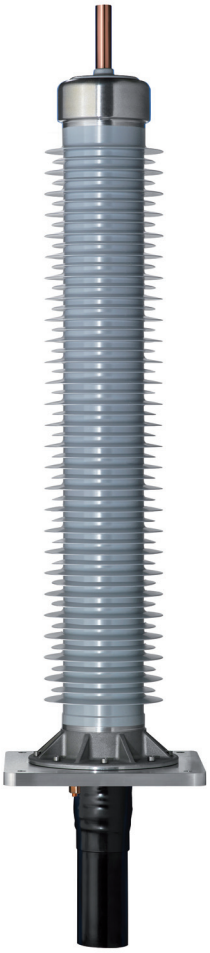
Outdoor terminations with composite insulator for polymer cables

Composite insulators have been in growing demand over the past decades.

Their main advantages are:

- Lightweight
- Easy to handle
- Resistant against ultraviolet (UV) radiation
- Excellent hydrophobic behaviour
- Shorter delivery period than porcelain
- Earthquake-resistant
- Excellent track record in numerous countries and climate zones
- In service for more than 25 years at Brugg Cables with outstanding results

Terminations with composite insulators for polymer cables profit from the outstanding properties of the prefabricated, one-piece and pretested SiR slip-on stress cones.
The creepage distance of the insulators can be determined according to the application, the specifications of the customer or the necessities of different climate zones.
All terminations are designed and tested according to international standards, such as IEC 60840 (≤ 170 kV), IEC 62067 (> 170 kV), IEC 60071 (insulation coordination) or IEEE Std 48-1996.
Profit from the advantages of our outdoor terminations with composite insulators. All our terminations with composite insulators 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 mm².



Technical data of outdoor terminations with composite insulators for polymer cables

Operating voltage	Ø over XLPE insulation	Max. conductor cross-section (Cu/Al)	Max. Ø of outer sheath	Type	Creepage distance
U_{max}/kV	mm	mm²	mm		mm
72.5	35 - 68	1000	115	FR 1.72-01	2400
145	57 - 80	1000	115	FR 1.145-01	4790
	80 - 110	2500	150	FR 1.145-02	3827, 5580
170	57 - 110	2500	150	FR 1.170-01	3827, 5580
245	76 - 115	2500	150	FR 1.245-01	5330, 7820
300	76 - 115	2500	150	FR 1.300-01	6570, 9800
420	76 - 129	2500	170	FR 1.420-01	15800
550	90 - 129	2500	170	FR 1.550-01	15800, 18700

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BRUGG CABLES Well connected.
HIGH VOLTAGE ACCESSORIES
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