Outdoor terminations with porcelain insulator for polymer cables

Porcelain insulators have the longest tradition.

Their main advantages are:

- Excellent resistance against ultraviolet (UV) radiation
- Resistant against bird-picking
- Excellent track record in numerous countries and climate zones
- In service for more than 40 years at Brugg Cables with outstanding results

Terminations with porcelain insulators for polymer cables profit from the outstanding properties of our 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 60815 (insulators), IEC 60071 (insulation coordination) or IEEE Std 48-1996.
Profit from the advantages of our outdoor terminations with porcelain insulators. All our terminations with porcelain 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 porcelain insulators for polymer cables

Operating voltage U_{max}/kV	Ø over XLPE insulation mm	Max. conductor cross-section (Cu/Al) mm²	Max. Ø of outer sheath mm	Type	Creepage distance mm
72.5	35 - 94	2500	115	TE 1.72-01	2900
145	57 - 110	2500	150	TE 1.145-01	4700, 5950, 7290
170	57 - 110	2500	150	TE 1.170-01	5950, 7290
245	76 - 115	2500	150	TE 1.245-01	8800, 10000
300	76 - 115	2500	150	TE 1.300-01	8800, 10000
420	76 - 129	2500	170	TE 1.420-01	13020, 17500, 21000
550	90 - 129	2500	170	TE 1.550-01	17500, 21000

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BRUGG CABLES Well connected.
HIGH VOLTAGE ACCESSORIES
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