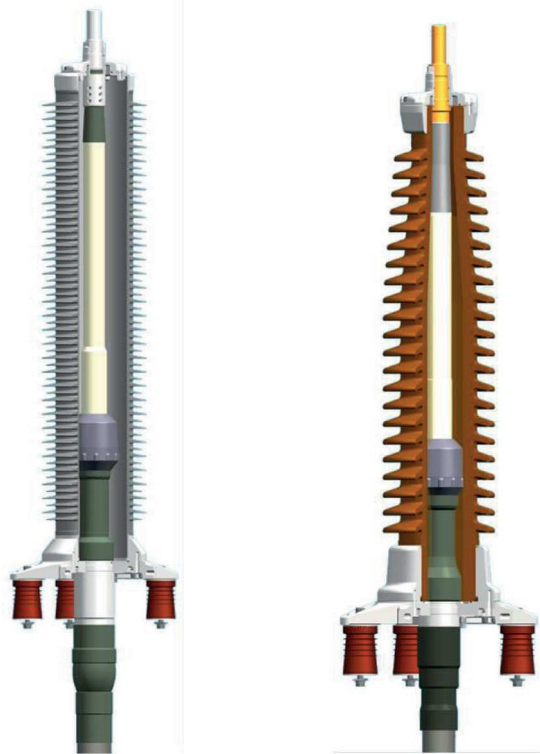


# Fluid-filled outdoor cable termination



## Design

- The different versions of the FEV outdoor termination are designed for operating voltages from 72.5 up to 550 kV.
- The complete termination consists of composite or porcelain insulator with metal head plate, metal base plate with supporting insulators and pre-moulded silicone stress cone with integrated stress control system and the silicon oil for insulator filling and the sealing cable gland.
- The conductor bolt is available as screw type or compression type. All metal parts are made of corrosion-resistant aluminum alloy or stainless steel.
- The insulators supplied fulfil IEC 60815 at standard pollution levels. The insulators have standard flashover distances.

## Key characteristics

- FEV-V**
  - Composite insulator
- FEV-P**
  - Porcelain insulator
- FEV-VD**
  - Composite insulator with plates
  - Explosion proof

## Application

Fluid-filled GIS/transformer termination suitable for XLPE- and EPR-insulated cables with Al or Cu conductor.

## Standards

- IEC 60840
- IEC 62067
- IEC 60815

## Note

- Optional kits:**
- Optical fibre kit
  - PD-measuring kit

## Tools:

- Push-on cone

## Technical details

Voltage	Type/ Designation	Max. cross section	Prepared cable insulation diameter	Max. oversheath diameter	Creepage distance	Length (approx.)	Weight (approx.)
kV		mm <sup>2</sup>	mm	mm	mm	mm	kg
72	FEV-V-P 72	1200	34.5 – 84.0	115	> 2250	1060	100
123	FEV-V-P 123	2500	34.5 – 108.0	115	> 3075	1510	120
145	FEV-V-P 145	2500	34.5 – 108.0	120	> 4495	1710	130
170	FEV-V-P/-VD 170	2500	34.5 – 108.0	120	> 5270	1940	160
245	FEV-V-P/-VD 245	2500	64.0 – 116.0	136	> 8355	2640	450
300	FEV-V-P 300	2500	64.0 – 116.0	136	> 10230	3120	520
420	FEV-V-P 420	2500	87.0 – 120.0	165	> 12600	4980	1600
550	FEV-V 550	2500	97.0 – 140.0	165	> 13200	4980	1850