

Self-Supporting Dry Outdoor Composite Termination up to 145 kV

Dry PFISTERER outdoor cable terminations have been used worldwide for decades in substations and on high-voltage transmission towers. They connect cable systems to overhead lines and busbars with long-term reliability. For time-critical installation projects with the future in mind, PFISTERER now offers DOC – the first dry, self-supporting termination.

Ready to use on site: the preassembled DOC termination is shipped as a complete unit. That means the hollow insulator, stress grading device and base plate are the main unit that has to be simply pulled onto the prepared cable. It is no longer necessary to bond individual insulator sections.

Technical Characteristics:

- The insulation is made from silicone, which protects the environment as no insulating oils and gels are used.
- The stress grading device is implemented exclusively with silicone.
- Extremely reliable connection for standard conductors with the patented SICON stepless shear bolt technology and for single wire insulated conductors with the patented FrontCon technology. Compressed variants are available on request.

Picture may vary.



Advantages:

- Type-tested according to IEC 60840
- Proven material
- Proven technology
- No liquid handling on site
- Fast and reliable installation (horizontal or vertical)
- Integrated base plate
- Maintenance-free

Accessories:

- Splice box
- Arcing horn
- Corona ring

Technical Data

Article no.		DOC145-C45
Max. system voltage	U_m (kV)	145
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm²)	150 - 2000
Diameter over cable insulation - prepared	(mm)	51.0 - 91.0
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	4570
Min. arcing distance	(mm)	1415
Environment temperature	(°C)	-30 up to +55 °C
Rated power frequency withstand voltage 2.5 U₀	(kV)	190
PD at 1.5 U₀		<5pC
Routine test		IEC 60840 Chapter 9
Pollution class according to IEC 60815 / IEC 60815-3		IV, E