

Type

Voltage class

PDD-27-17-032

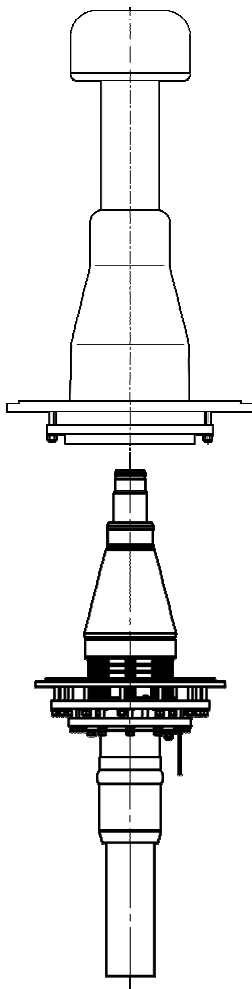
PRODUCT DESCRIPTION

This termination is designed to terminate an extruded XLPE high voltage cable 127/220 kV to a transformer. Maximum system voltage is 252 kV.

TECHNICAL FEATURES

- Dimensions and scope of delivery completely according to EN 50299:2002.
- Pre-tested and pre-assembled parts.
- Completely solid insulation (no gas or liquid insulating medium).
- Cable sheath electrically insulated from cable enclosure.

BASIC COMPONENTS



INSULATOR

- Composite type insulator from epoxy resin with threat inserts M12 and silver plated metal contact surface.
- Flange for installing insulator to a transformer.
- Length Q=960 mm according to EN 50299:2002.

CABLE END

- Pre-moulded and factory-tested stress cone.
- Silver plated conductor connection with contact elements.
- Branch pipe.
- Fasteners and sealing materials.
- Earthing angle with hole for M12 earthing connections.

ADDITIONAL OPTIONS

- Optical fiber output.

Type**Voltage class****PDD-27-17-032****TECHNICAL DATA**

Type of sealing end	MBBT 252
Area of applications	
XLPE cables with maximum system voltage 252 kV	Cu: 400-2500 mm ² Al: 400-500 mm ²
Maximum outer sheath diameter, mm	130
Maximum cable insulation diameter(prepared), mm	64-112
Characteristics of sealing end:	
AC voltage withstand test	318 kV for 30 min
Impulse withstand voltage (10+/10- impulses)	1050 kV
Partial discharge test	< 5 pC at 191 kV
Nominal operating current	Limited by cable specification
Short circuit current	Limited by cable specification
Stress cone electrical routine test demands:	
AC voltage withstand test	318 kV for 30 min
Partial discharge test	< 5 pC at 191 kV

MISCELLANEOUS

Standard dimensions and scope of supply of sealing end according to EN50299:2002.

MOUNTING

MBBT 252 must be mounted by trained/certified personnel. Mounting area must be protected from any dust or moisture. Temperature during installation should be in range from +10 to +40 C.



MBBT

252

ARKASIL

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TYPICAL DRAWING

MBBT 252

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