

Type

Maximum system voltage

PDD-27-14-004

PRODUCT DESCRIPTION

High-voltage cable termination MKB 252 is designed to terminate XLPE 127/220 kV high-voltage cable in outdoor conditions or indoor conditions.

BASIC COMPONENTS

INSULATOR



- composite type of insulator with glass fiber epoxy tube and sheds made of silicone rubber with different creepage distances.
- shed color: light grey.
- top and bottom flanges glued and sealed.

CABLE END



- pre-molded and factory-tested stress cone.
- solid rod top connector.
- base plate.
- branch pipe.
- support insulators.
- seals and fixing materials.
- insulating compound.
- earth angle with hole for earth connections.

Type **Maximum system voltage****PDD-27-14-004****AREA OF APPLICATION**

Type	MKB 252
Maximum system voltage, kV	252
Cable conductor cross section, mm ²	400 ÷ 2500
Maximum outer sheath diameter, mm	130
Maximum cable insulation diameter(prepared), mm	108

TECHNICAL DATA

Type	MKB 252				
Electrical data:					
AC voltage withstand test	318 kV for 30 min				
Impulse withstand voltage (10+/10- impulses)	1050 kV				
Partial discharge test	< 5 pC at 190 kV				
Climatic data:					
Min/Max temperature for outdoor conditions	- 45°C/ + 50°C				
Minimal creepage distance, mm	7636	8058	8903	9959	10382
Insulator length, mm	2500	2624	2872	3182	3306
Pollution level IEC 815	III	IV			
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 190 kV				
Support insulator withstand voltages:					
AC voltage, kV	10				
DC voltage, kV	20				
Mechanical data:					
Approximate weight, kg	120				
Maximum allowed force on top connector, N	5000 (horizontal)				

* - in conform with terms GOST 10693-81.

ALL TYPE TEST ACCORDING TO REQUIRMENTS

IEC 62067

MOUNTING

MKB 252 must be mounted by trained/certified personnel. Mounting area must be protected from dust and moisture. Temperature of mounting should be from +10 to +40 C.

MKB

252

ARKASIL

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TYPICAL DRAWING

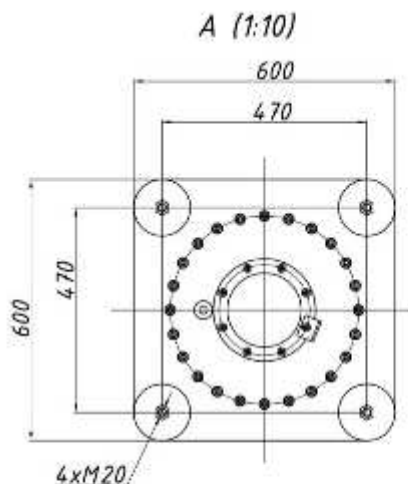
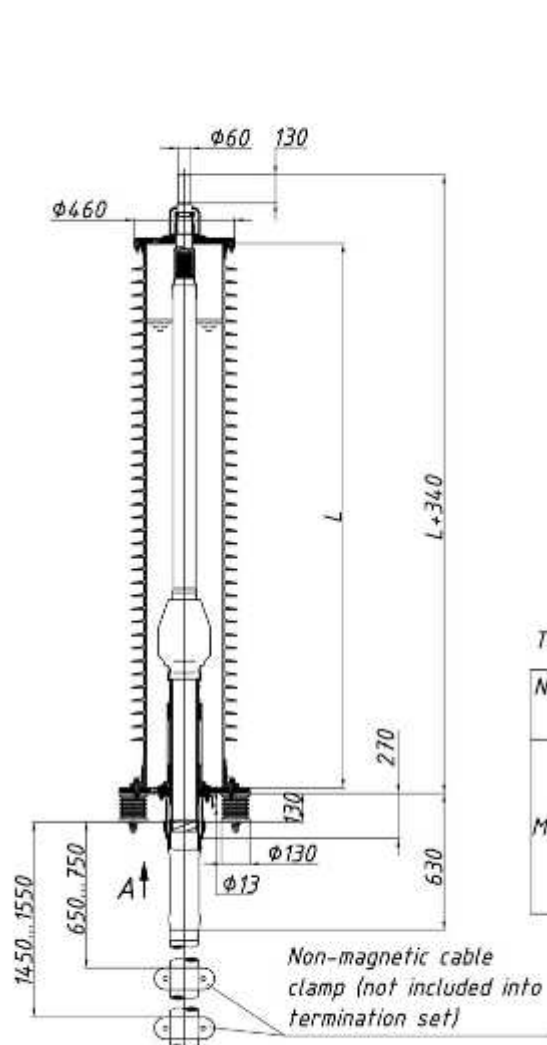


Таблица 1

Name	Pollution level IEC 815	Minimal creepage distance, mm	L, mm
MKB 252	-	III	7636
	8058	IV	8058
	8903	IV	8903
	9959	IV	9959
	10382	IV	10382

Table 2

Screen section of cable, mm ²	ØA
up to 185 included	Ø13
over 185 and more	Ø17