



Grounding wire series manual instruction

JINPOWER

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PRODUCT SPECIFICATIONS

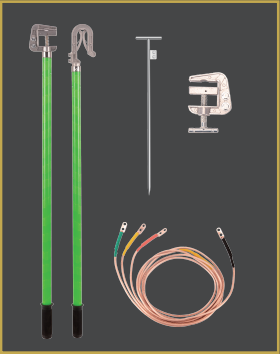
MODEL	TYPE	VOLTAGE RATING	COPPER CROSS-SECTION AREA	CABLE LENGTH	CONFIGURATION	APPLICATION
JN-JDX	Standard	0.4kV	25mm ²	4*1.5m+12m	0.5m insulating ground rod ground clamp	Substation
		10kV	25mm ²	3*1m+5m	1m insulating ground rod ground clamp	Substation
		35kV	25mm ²	3*2m+8m	1.5m insulating ground rod ground clamp	Substation
		110kV	35mm ²	3*6m+6m	2m 2 sections insulating ground rod ground clamp	Substation
		220kV	35mm ²	3*6m+6m	3m 2 sections insulating ground rod ground clamp	Substation
		500kV	50mm ²	3*15m	Duckbill type wire clamp ground clamp	Tower
		10kV	25mm ²	3*1.5+10.5m	1m insulating ground rod ground nail	Lines
		35kV	25mm ²	3*2+18m	1m insulating ground rod ground nail	Lines
		110kV	35mm ²	3*15m	uckbill type wire clamp ground clamp	Lines
		220kV	35mm ²	3*15m	Duckbill type wire clamp ground clamp	Lines
	Personal security wire	380V	16mm ²	3*1.5+3m	Tongs ground clamp	Crossarm/Lines
		380V	16mm ²	4*1.5+5m	Tongs	Crossarm/Lines
	Cable branch box grounding wire	10kV	25mm ²	3*1+1.5	0.5m rod, ground clamp	Cable branch box
	Grounding Set for Ring Main Unit	10kV	25mm ²	3*1+2m	Elbow Cable Connector	Ring Main Unit

PRODUCT USAGE

During the construction and maintenance of outdoor power lines and substations, the following three situations may occur:

- 1.Electrical backfeed in the line
- 2.Electrostatic induction occurs when approaching a charged body.
- 3.The line was energized due to an accidental switch-on by the operator.

The grounding wire series is designed to connect potentially energized lines to the earth, forming a closed circuit to ensure the personal safety of operators. For this reason, it is also referred to as a "safety return circuit."



INSTRUCTIONS FOR USE

1. When hanging the ground wire: first connect the grounding clamp, then connect the power clamp(phase clamp); when removing the ground wire, you must first remove the power clamp(phase clamp), then the grounding clamp according to the procedure.
2. Installation: Fix the crimped lugs on the phase-by-phase grounding soft copper wire to the corresponding position of the power clamp on the grounding rod (the power clamp has fixed and removable types), and fix the crimped lugs to the grounding clamp or ground pin to form a complete set of grounding wires.
3. Verify whether the voltage rating of the grounding rod matches that of the equipment being operated.

PRECAUTIONS

1. Before working, you must check the grounding wire. Check whether the soft copper wire is broken, whether the screw connection is loose, and whether the elastic force of the wire hook is normal. If it does not meet the requirements, it should be replaced or repaired in time before use.
2. Before hanging the ground wire, you must first test the electricity. Hanging the ground wire without testing the electricity is a common habitual violation of regulations. The ground wire conductor must not come into contact with the body when hanging.
3. Before using a portable short-circuit grounding wire, you should first check the power supply to confirm that the power is off, and then confirm that there is no voltage on the equipment.
4. The distance between the installed short-circuit grounding wire and the live equipment should be no less than the new value specified in the "Electricity Safety Work Regulations" taking into account the impact of the grounding wire swing.
5. Storage environment temperature -25°- 40°, humidity <85%, no corrosion, rain and bubble proof.