

## Study on Light Icing Performance of Composite Insulators at AC Voltage

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Keywords: Composite insulator, Light icing, AC voltage, Artificial climate laboratory

Because of the complexity and randomness, icing performances of insulators have been the difficulty and focus in the field of external insulation research. It was not yet conclusive to configure the ice external insulation at home and abroad, either heavy or light icing. The insulators with heavy contamination and light ice were also the research subjects in china. Experiments were carried out on composite insulators, which were engaged in AC voltages in the artificial climate chamber of UHV AC test base. Weight of ice played a more important role than the length of ice. And assessment of the ice status would be the first important issue of light icing. Experimental results of light icing would provide the reference for the design of transmission lines.