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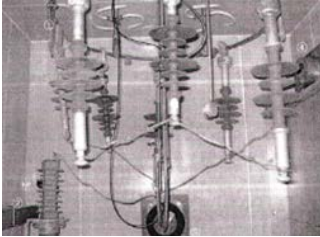
Chapter 6

Composite Insulator Testing

6.2 Tracking and erosion test

By Orient Power

Tracking and erosion test



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Tracking and erosion test:

Test specimens:

Select three sample composite insulators at least for this test and an additional identical reference insulator.

Test procedures:

- ✧ The test circuit shall be configured such that no more than a maximum voltage drop of 5% occurs when the circuit is loaded with a resistive current of 250mA (r.m.s.) on the high voltage side.
- ✧ Test the three sample insulators using one of the two methods listed on the standard IEC62217. The manufacturer shall select the test method.
- ✧ For either test method, the test may be interrupted for maintenance for a period of up to 8 hours with the cycle remaining valid. Maintenance time shall not be included in the cumulative test time.

Test evaluation:

Each aged sample insulator is acceptable if there is no tracking or erosion to the core and no shed or housing puncture.

Immediately after the tracking wheel test, each aged sample insulator and the reference insulator shall be tested and evaluated to the following tests, which must be completed within 48 hours. The sample insulators shall be rinsed in de-ionized water prior to the following tests. The tests shall be performed in the order listed.

Tracking and erosion test is the most important test to check the silicone rubber ability of anti-climate.

More composite insulator test information, welcome to visit Orient website.