

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10810-51 (1984): Methods of test for cables, Part 51:
Dripping test [ETD 9: Power Cables]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

METHODS OF TEST FOR CABLES

PART 51 DRIPPING TEST

1. Scope — Covers the method to determine the non-dripping properties of the compound used in lapped bedding and serving of paper insulated electric cables.

2. Significance — Compound used for bedding and serving should be of suitable viscosity and melting range to prevent any dripping during service. This test brings out the assessment of property of compound used in bedding and serving of cable in so far as its viscosity at the operating temperature is concerned.

3. Terminology

3.1 Dripping — Escape of the compound to the surrounding in droplet.

4. Apparatus — Thermostatically controlled oven, where the test temperature $65 \pm 1^\circ\text{C}$ can be maintained.

5. Material — No material other than the specimen is required for performing this test.

6. Test Specimen

6.1 The test specimen shall be taken from the finished stage of the cable and sealed at both ends without application of heat to prevent the cable impregnating compound from dripping. The lengths of this specimen shall be as follows :

<i>Test Method</i>	<i>Length</i>
Method A (see 8.1)	150 mm
Method B (see 8.2)	300 mm

6.2 Number of Specimens — One.

7. Conditioning — No conditioning is required for this test.

8. Procedure

8.1 Method A — Where the same type of compound is used for both bedding and serving, the test specimen of 150 mm length shall be suspended vertically in thermostatically controlled oven at $65 \pm 1^\circ\text{C}$ for 6 hours.

8.2 Method B — Where separate grades are used for bedding and serving, the test specimen of 300 mm length shall be supported horizontally on two supports 250 mm apart at $65 \pm 1^\circ\text{C}$ for 6 hours.

8.3 A suitable sheet of paper or metal shall be kept below the sample to collect the drippings, if any.

9. Tabulation of Observations

<i>Sample No.</i>	<i>Observation</i>
	Dripping/No Dripping

10. Calculation — No calculation is involved.

11. Report

11.1 Reference Specification _____

Sample No.	Observation	Specification Requirement
	Dripping/No Dripping	

11.2 Conclusion — The specimen meets/does not meet the requirement of the specification.