

इंटरनेट

मानक

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“पुराने को छोड़ नये के तरफ”

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IS 10810-39 (1984): Methods of test for cables, Part 39:
Winding test on galvanized steel strips for armouring [ETD
9: Power Cables]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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*Indian Standard***METHODS OF TEST FOR CABLES****PART 39 WINDING TEST ON GALVANIZED STEEL STRIPS FOR
ARMOURING**

1. Scope — Covers method for the winding test on galvanized steel strips for armouring of cables.

2. Significance — This test is done to ensure that the zinc coating is sufficiently adherent to the basic material.

3. Terminology — See IS : 3975-1979 'Specification for mild steel wires, strips and tapes for armouring of cables. (first revision)'.

4. Apparatus — Two mandrels of diameter 15 times the nominal thickness of strip of ± 0.5 mm.

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

6. Test Specimen

6.1 The test specimen shall be a piece of strip 200 mm long cut from the outer end of the coil after discarding a minimum length of 300 mm. It shall be free from scratches, dents and other external irregularities or damages.

6.2 Number of Specimens — One.

7. Conditioning — No conditioning of test specimen is required.

8. Procedure

8.1 The test specimen shall be cleaned to remove extraneous coatings, if any, without damaging the zinc coating.

8.2 The test specimen shall be wound in a close helix (minimum three turns) around a cylindrical mandrel having a diameter 15 times the nominal thickness of the strip, keeping the vaulted side of strip outside.

8.3 The zinc coating shall be examined for visible cracks and the particles detached by rubbing with bare finger.

9. Tabulation of Observations

Sample No.	Nominal Dimensions of Strip mm	Mandrel Diameter mm	Whether Cracks Visible	Whether Particles Detached by Rubbing with Bare Finger
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10. Calculation — Nil**11. Report****11.1 Winding Test on Galvanized Steel Strip for Armouring**

Coil No./Lot No.

Nominal Dimensions of Strip : mm

Adopted 14 March 1984

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Gr 1

11.2 Results

Reference Specification _____

Mandrel diameter:

Cracks in zinc coating visible: Yes/No

Particles of zinc coating detached: Yes/No
by rubbing with bare finger

11.3 Conclusion — Specimen meets/does not meet the requirements of the specification.