



Cert. No. T-0205
NABL ACCREDITED
LABORATORY



राष्ट्रीय परीक्षण शाला
National Test House

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TEST CERTIFICATE

022500

Test Certificate

No: BTH/E/2008/092

Date of Issue: 12/06/2008

Code No.

Page 1 No. of 2 Pages

1. Issued to : M/s. DIAMOND POWER INFRASTRUCTURE LTD.
(Name and address of the organisation) Phase -II, Village Vadadala, Tal.-Savli,
Dist.-Vadodara, INDIA
2. Party's Ref. No. : Nil dtd. 24-04-2008
3. Description of the test item : AAAC Weasel Conductor, 7/2.50 mm, 34 Sq.mm²
Drum No. AW-001
4. Identification of the test item : —
5. Date of receipt of test Item : 25-04-2008
6. Identification of Test Method : IS:398(Part-4): 1994
7. Sampling Procedure where relevant : N/A

J. J. J.

M. J. J.

U. J. J.

222500



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One sample of Aluminium Alloy Stranded Conductor, 7/2.50

As desired the sample was subjected to the following examination, measurements and tests in accordance with IS:398(Part 4): 1994, with the results noted below:

Instruction:

The Aluminium Alloy Stranded Conductor consists of 7 nos. of wires each of dia. 2.50 mm stranded together.

Description of Test	Specified requirements	Test values/ Observation/s
Test on Stranded Conductor		
Resistance corrected to 20°C, Ω/km	0.9900 Max.	0.9321
Breaking Load, kN	10.11 Approx.	11.32
Lay Ratio	10 -14	13
Test on Individual wires		
Visual Examination	The wires shall be free from any imperfections.	Satisfactory
Overall Diameter, mm	2.47 - 2.53	2.50
Breaking Load, kN	1.44 Min.	1.87
Elongation at break, %	4 Min.	4.5
Resistance corrected to 20°C, Ω/km	6.845 Max.	6.476

The average ambient conditions of the laboratory during the period of the test was:
Temperature, °C : 29 Relative humidity, % : 64

Remarks:- The sample complies with the requirement of the specification IS:398(Part-4)-1994 in respect of tests carried out.

Prepared by : K. Mohanan
Technical Officer (Electrical)

Checked by : Md. Najmuddin
Scientist SC(Electrical)

Approved by : Uma Bhakta
Scientist SD (Electrical)

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