



राष्ट्रीय परीक्षण शाला
National Test House

GOVERNMENT OF INDIA
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00554

TEST CERTIFICATE

Test Certificate

No: BTH/E/2008/093

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022501

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 Rabbit Conductor, (7/3.15 mm), 55 Sq.mm²
Drum No. AR-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

Jokan

Prd. Rajmudhar

Usha Bhaktar



राष्ट्रीय परीक्षण शाला
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#22501

One sample of Aluminium Alloy Stranded Conductor, 7/3.15

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:

Construction:

The Aluminium Alloy Stranded Conductor consists of 7 nos. of wires each of dia. 3.15 mm stranded together.

Description of Test	Specified requirements	Test values/ Observation/s
Test on Stranded Conductor		
Resistance corrected to 20°C, Ω/km	0.6210 Max.	0.6013
Breaking Load, kN	16.03 Approx.	17.06
Lay Ratio	10 -14	13
Test on Individual wires		
Visual Examination	The wires shall be free from any imperfections.	Satisfactory
Overall Diameter, mm	3.12 - 3.18	3.15
Breaking Load, kN	2.29 Min.	2.58
Elongation at break, %	4 Min.	5.0
Resistance corrected to 20°C, Ω/km	4.290 Max.	4.186

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.

by : K. Mohanan
Technical Officer (Electrical)

Checked by : Md. Najmuddin
Scientist SC(Electrical)

Approved by : Uma Bhakta
Scientist SD (Electrical)

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