

CPRI

TEST REPORT



Central Power Research Institute

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CENTRAL POWER RESEARCH INSTITUTE
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TEST REPORT

Test Report Number : 43/1/2012-HV/0316/GSF **Dated:** 31-07-2012

Name & address of the customer : M/s. Gala Shrink Fit.,
Plot No. 24, Vasi Taluka Industrial Co.op Society,
Gauraipada, Vasai - East, Thane – 401 208, India.
Ref: File No. 2/37/DCCD(Cab)/2 **Dated:** 28-05-2012

Name & address of the manufacturer : M/s. Gala Shrink Fit.,
Plot No. 24, Vasi Taluka Industrial Co.op Society,
Gouraipada, Vasai - East, Thane – 401 208, India.

Particulars of sample tested

Condition of the sample on receipt : New.

Type : CAB LINK Heat Shrinkable Outdoor terminations..

Designation : 3 X 185 sq.mm, Aluminium conductor, XLPE insulated,
PVC Sheathed, Galvanised Steel strip armoured 19/33 kV
Cable with "CAB LINK" Brand Heat Shrinkable Outdoor
terminations.

Serial Number : Nil.

Number of samples tested : One.

Date(s) of Test(s) : 16-06-2012 to 28-07-2012.

CPRI Sample Code Number : DCCDCAB12S0033.

Particulars of tests conducted : Salt Fog Test.

Test in accordance with standard/
specification. : As per IEC – 60502-4-2010 & Cenelec HD 629-1-1996.

Sampling plan : Not Applicable.

Customer's requirement : Nil.

Deviations if any : Nil.

Name of the witnessing persons

Customer's representatives : None.

Other than customer's representatives : None.

Test subcontracted with address
of the laboratory : None.

**Documents constituting this report
(in words)**

Number of sheets : Five.

Number of oscillogram/s : Nil.

Number of graph/s : Nil.

Number of photo/s : Two.

Number of test circuit diagram/s : One.

Number of drawing/s : Nil.

(Dr. N.VASUDEV)
Test Engineer


(Dr. R.S.SHIVAKUMARA ARADHYA) 11/8/12
Additional Director



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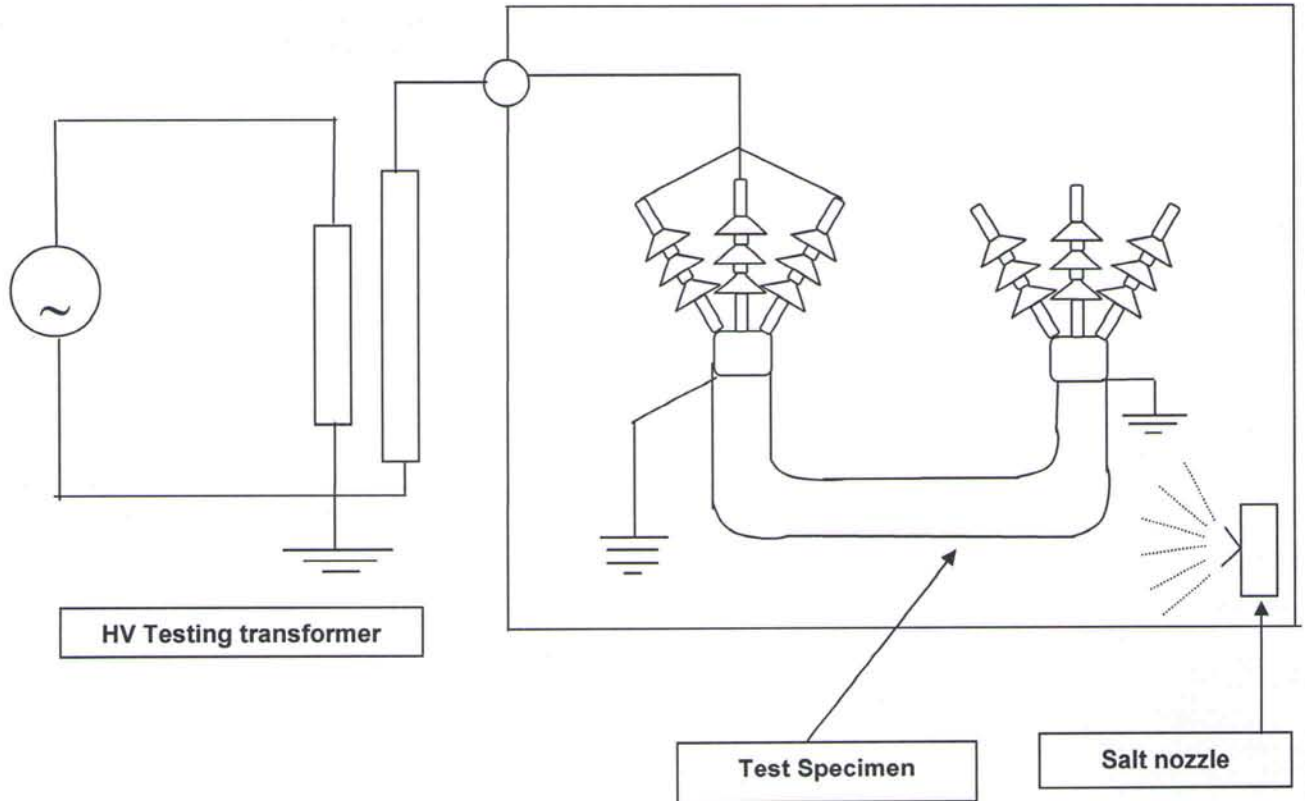


Fig.1 – Schematic diagram of the test set-up / test lay-out

(Handwritten Signature)
(Dr. N.VASUDEV)
Test Engineer



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Salt Fog Test

Test Connection: The 19/33 kV Cable with "CAB LINK" Brand Heat Shrinkable Outdoor terminations of the UG cable was subjected to Salt-Fog test. High voltage was applied to all the three cores of the UG cable. The screen and the armour were earthed as shown in the test setup. The voltage applied was $(1.25 \times U_0 = 1.25 \times 19\text{kV} = 23.75\text{kV-rms} \approx 24\text{kV-rms})$.

Sl. No.	Date	Applied Voltage (kV-rms)	Conductivity @ 20°C (milli Semens/cm)
1	16-06-2012	24	16.0
2	20-06-2012	24	16.0
3	24-06-2012	24	16.0
4	28-06-2012	24	16.3
5	02-07-2012	24	16.0
6	06-07-2012	24	16.2
7	10-07-2012	24	16.0
8	14-07-2012	24	16.2
9	18-07-2012	24	16.0
10	22-07-2012	24	16.3
11	26-07-2012	24	16.2
12	30-07-2012	24	16.2

Remarks: Outdoor heat shrink cable terminations has Withstood the 1000 hours Salt-fog test as per the standard. No over current trip out, No tracking on the surface, No pin-hole discharges, the core is not visible.


(Dr. N.VASUDEV)
Test Engineer



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Photographs showing the sample Outdoor terminations
Before 1000 hours Salt-Fog test.



Photographs showing the sample Outdoor terminations
After 1000 hours Salt-Fog test.


(Dr. N.VASUDEV)
Test Engineer



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NOTE

- a) The test results relate only to the item(s) tested.
- b) Publication or reproduction of this test report/certificate in any form other than by complete set of the whole report and in the language written is not permitted without the written consent of CPRI.
- c) Any corrections/erasure invalidates this test report/certificate.
- d) Any anomaly/discrepancy in this test report/certificate should be brought to our notice within 45 days from the date of issue.
- e) The verification of the sample drawings by CPRI is limited to dimensional checks only wherever possible.


(Dr. N.VASUDEV)
Test Engineer