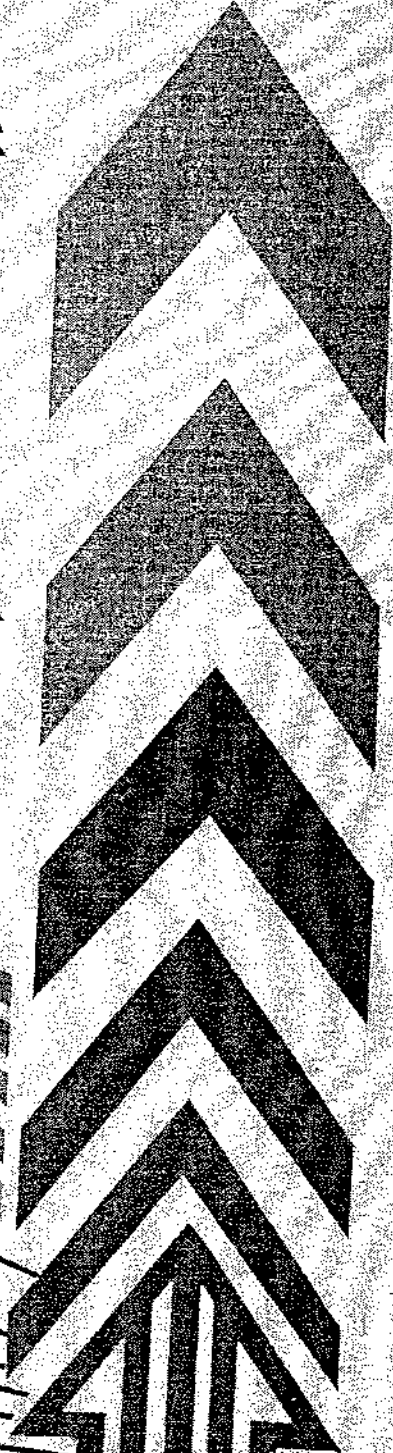
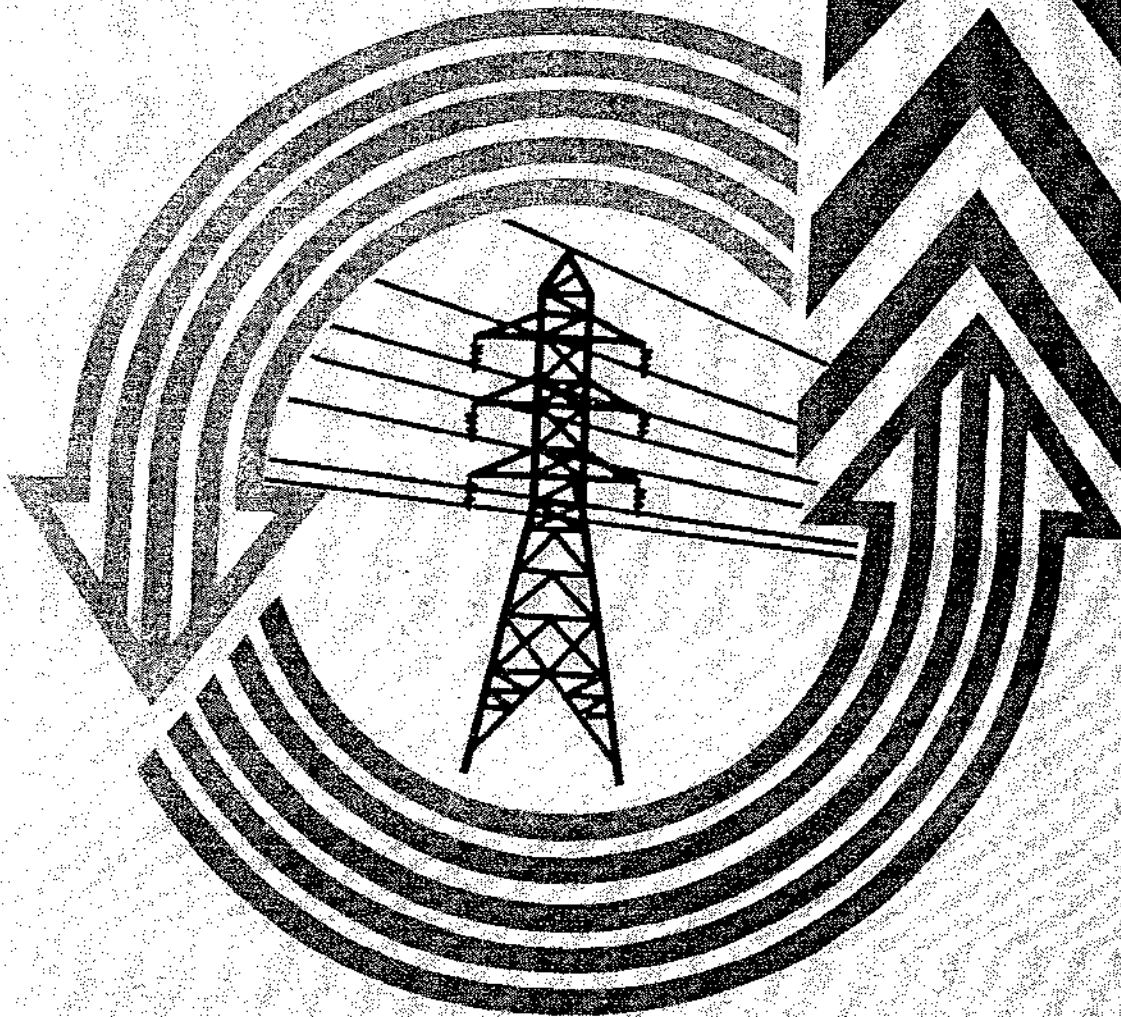


सी पी आर आई
भारत

**CPRI
INDIA**

परीक्षण रिपोर्ट
TEST REPORT



CPRI

TEST REPORT



Central Power Research Institute

(A Govt. of India Society,
P.B. No. 8066, Sadashivanagar Post Office
Prof. Sir. C.V. Raman Road,
Bangalore - 560 080 (INDIA)



CPRI

TEST REPORT

Test Report Number : DCCD-10669 Dated: 19-11-2008

Name & Address of the Customer : M/s.Rallison Electricals Pvt. Ltd.,
 G/118, Mayapuri, Phase-II,
 New Delhi - 110 064.

Name & Address of the Manufacturer : M/s.Rallison Electricals Pvt. Ltd.,
 G/118, Mayapuri, Phase-II,
 New Delhi - 110 064.

Particulars of sample tested : 4C X 240 Sq.mm, A2XFY, 650 / 1100 Volts,
 Fire Survival Cable

Condition of the Sample on Receipt : New
 Type : Fire Survival Cable
 Designation : 4C X 240 Sq.mm, A2XFY, 650 / 1100 Volts,
 Fire Survival Cable

Serial Number : Nil
 Number of samples tested : Three
 Date(s) of Test(s) : 20.06.2008 to 24.06.2008
 CPRI sample code no : DCCDFRLS08S0083

Particulars of tests conducted : Fire Survival test (Resistance to Fire alone)

Test in accordance with standard/specification : BS 6387 / 1994, Category C

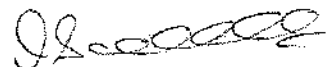
Sampling plan : Not applicable
 Customer's requirement : Nil
 Deviations if any : Nil

Name of the witnessing persons
 Customer's representatives : Shri. S.C.Batra, Chief Executive
 Shri.B.R.Rajmohan, A.G.M. (South)
 Other than Customer's representatives : None
 Test subcontracted with address of the laboratory : None

Documents constituting this report (in words)
 Number of Sheets : Four
 Number of oscillograms : Nil
 Number of graphs : Nil
 Number of photos : Nil
 Number of Test Circuit Diagrams : Nil
 Number of Drawings : Nil


 (A.R. Srinivasan)
 Test Engineer




 (A. Sudhindra)
 Joint Director

CPRI LABORATORY





CPRI

Test Report No.: DCCD-10669

TEST REPORT

Date: 19-11-2008

TEST RESULTS

FIRE SURVIVAL TEST (RESISTANCE TO FIRE ALONE)

Reference Specification : BS 6387 / 1994 Category C
CPRI Code no. : DCCDFRLS08S0083
Description of material : 4C X 240 Sq.mm, A2XFY, 650 / 1100 Volts,
Fire Survival Cable
No. of specimen tested : One

Test Details

Sample length : 1.2 metres
Cable supporting system : The cable was supported, by metallic rings placed
300 mm apart and this assembly was supported by
metallic stand, all rigidly earthed.
Source of heat : Tubular Type Gas Burner as per BS 6387, Regulated
LPG & Air mixture to achieve a flame temperature of
950 °C ± 40 °C.
Continuity Checking Arrangement : During the test a current was passed through all cores of
the cable and this was provided by a three phase
star-connected transformer of sufficient capacity to
maintain the test voltage up to the maximum leakage
current allowable i.e 3 A.

At the opposite end of the cable, lamps were connected
to each core with a power rating such that each core
carries a current of approximately 0.25 A at the rated
voltage of the cable.


A.R. Srinivasan
Test Engineer



CPRI

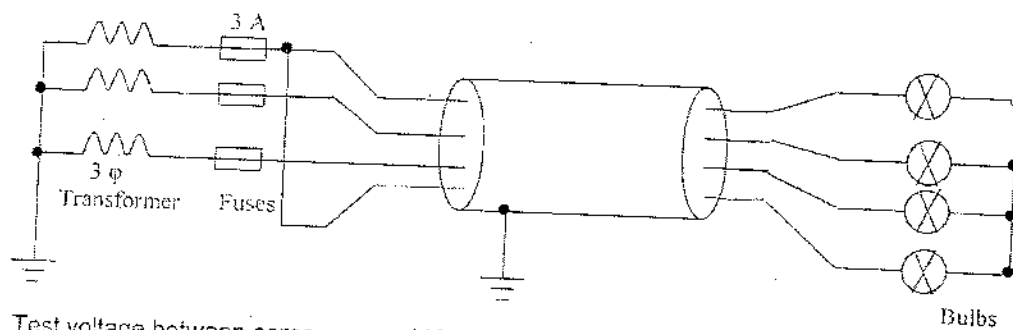
Test Report No.: DCCD-10669

TEST REPORT

Date: 19-11-2008

TEST RESULTS

Test Connection : The four cores of the cable are connected as shown in the diagram below



Test voltage between cores : 1100 V AC applied, between phase conductors and a load carrying a current of 0.25 A was connected.

Test Duration : 3 hours (Continuous)

Observation :

Withstood for 3 hrs both voltage and fire application with no fuse rupture.

Result :

The cable complies to the requirement of the standard.

(Signature)
(A.R. Srinivasan)
Test Engineer



CPRI

FRLS LABORATORY
DIAGNOSTIC, CABLES & CAPACITORS DIVISION
CENTRAL POWER RESEARCH INSTITUTE
P.B. No.8066, SADASIVANAGAR SUB P.O.
PROF. SIR C.V.RAMAN ROAD, BANGALORE - 560 080, INDIA.
Phone : +91 (0) 80-23604435, Fax : +91 (0) 80 - 23601213.

Sheet 4 of 4

Test Report No.: DCCD- 10669

Date: 19-11-2008

NOTE

- a) The test results relate only to the item(s) tested.
- b) Publication or reproduction of this test report in any form other than the complete set of the whole report and in the language written, is not permitted without the written consent of CPRI.
- c) Any Correction/erasure invalidates this test report.
- d) Any anomaly/discrepancy in this test report 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 checkings only wherever possible.


(A.R. Srinivasan)
Test Engineer