

# Test Report

ID No: PL 9000

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## Determination of

PH value and conductivity

**Test object :**

**Instrument Cable**

**Technical specifications :**

6×2x1.5mm<sup>2</sup> ,300/500V,Cu/MGT/XLPE/ISCR/OSCR/LSZH  
/SWA/LSZH

**Manufacture:**

**Tak Cable Co.**

**Lot No. / Order No. :**

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**Date of test :**

93.10.6

**Customer:**

**Name: Tak cable co.**

**Address:Tehran.**

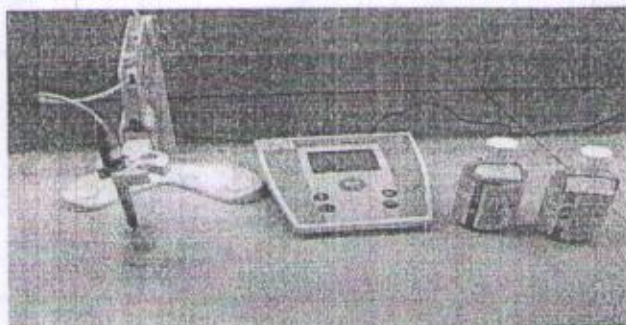
### 1. Place of Test:

The test was carried out in the Low voltage test field (L.V) of Abhar Cable in Abhar.

### 2. Test Procedure:

The temperature shall be measured by a thermocouple suitably protected against corrosion and placed inside the quartz glass tube. The heating system shall be adjusted such that the temperature at the designated position for the boat shall be not less than 935 °C and not more than 965 °C. The temperature at a position 300 mm from the designated position in the direction of the air flow shall be not less than 900 °C.

The boat containing the test specimen shall be quickly inserted into the heating zone of the tube to the designated position determined by the thermocouple measurement and the timer shall be started. The combustion boat shall be placed in such a way that the distance between the boat and the exit end of the effective heating zone is at least 300 mm. The effective heating zone is that zone where a temperature of not less than 900 °C has been determined by the thermocouple measurement.



Seal

Date of Issue

93.10.6

Tester

Name and signature

Approved by (LE1)

Technical Manager  
B. Nejadi

Representative

Name and signature

Moradi

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This report applies only to the object tested.

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### 3. Test Conditions:

Reference Standard(s): EN 50288 , IEC 60754-2,2005-03  
Temperature: 23±2 °c  
humidity: 50±5 %

### 4. Environmental Conditions:

Ambient Temperature: 26 °C  
Humidity: 35 %

### 5. Requirements/determined:

The weighted PH value should not be less than 4.3  
The weighted value of conductivity should not exceed 10µs/mm

### 6. Test result:

$\lambda = 1.73 \mu\text{s}/\text{mm}$   
pH= 5.31

### 7. Conclusion:

Results are accordance with requirements.

The test was **passed**.

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