



SHAHIN MAFSAL

High Voltage Laboratory

REPORT OF PERFORMANCE
HEAT SHRINKABLE JOINT (24 KV)

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1. General Information

1.1 test operators Information

Test operator: Mr. Alireza Soleymanifar

Test manager: Ms. Samin Sarraf

Test date: fall 2016

1.2 laboratory Information

Laboratory name: High Voltage Laboratory of Shahin Mafsal Co.

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1.3 Test and Samples Information

Standard No: IEC 60502

Test procedure: According to the standard

Sample Description: The samples produce by Shahin Mafsal Company, and choose randomly from products.

2. Summary of test result

	Test Name	Result of Study of Document & Test
1	AC voltage test	Pass
2	DC voltage test	pass
3	Impulse voltage test	pass

3. Installation

Accessories assembled in the manner specified by the Shahin Mafsal's Instructions, with the grade and quantity of materials supplied. Accessories shall be dry and clean, but neither the cables nor the accessories shall be subjected to any form of conditioning which might modify the electrical or thermal or mechanical performance of the test assemblies.

4. Summary of test procedure and test results

4.1 Impulse voltage test

Impulses shall be applied to each phase in turn with the other phases, neutral and screen earthed. A series of 10 positive and 10 negative impulses shall be applied at each conductor.

Confirmation criterion:

The joint must tolerate a series of 10 positive and 10 negative impulses would be applied.

Results:

The joint tolerate a series of 10 positive and 10 negative impulses which applied.

4.2 AC voltage test

An AC voltage of 108 kV shall be applied for 5 minute between each phase conductor.

Confirmation criterion:

The conductor must tolerate an AC voltage of 108 kV for 5 minute.

Results:

The conductor tolerated an AC voltage of 108 kV for 5 minute.

4.3 DC voltage test

A DC voltage of 96 kV shall be applied for 15 minute between each phase conductor.

Confirmation criterion:

The conductor must tolerate a DC voltage of 96 kV for 15 minute.

Results:

The conductor tolerated a DC voltage of 96 kV for 15 minute.