

Test Report

No. 2008-B-0206/03

1. Issue

Client: G + H Isolierung GmbH
Leuschnerstraße 2
D-97084 Würzburg

Order of: 17th January 2008

Incoming Date : 17th January 2008

Content of Order: Execution of a fire test with function receipt basing to IEC 60331-11 and IEC 60331-21 of the cable NYY-J 4 x 16. The cable was mounted in a cable-channel with bandage „G + H Pyroment® KVB 2000 / W“

Test material: NYY-J 4 x 16 in a cable-channel with bandage „G + H Pyroment® KVB 2000 / W“

Sampling: MPA Dresden GmbH was not involved in any selection or sampling procedure.

This test report contains 3 pages.



Publications of test reports also in the form of extracts and references to tests for advertising need in every case the written agreement of the test institute. Every page of these test report is stamped with the official seal of the test institute.

MPA Dresden GmbH
Fuchsmühlenweg 6F
D-09599 Freiberg
Tel.: +49(0)3731-2 03 93-0
Fax: +49(0)3731-2 03 93-110

Geschäftsführer: Thomas Hübler
Steuernummer: 220/114/03011
Amtsgericht Chemnitz HR B 21581
Internet: www.mpa-dresden.de
E-Mail: info@mpa-dresden.de

Kreissparkasse Freiberg
Poststraße 1a
D-09599 Freiberg
Kto.: 3115024672
BLZ: 870 520 00

USt-IdNr.: DE234220069
IBAN DE68 8705 2000 3115 0246 72
BIC WELADED1FGX

1 Kind of test

Function receipt based on IEC 60331-11 and/or IEC 60331-21

2 Description of test sample

By the client were delivered approx. 20 m of the test cable NYY-J 4 x 16 and cable channel with bandage „G + H Pyroment® KVB 2000 / W“ to the MPA Dresden GmbH.

3 Test procedure

Purpose of the examination was it to determine under flame effect the function receipt of the cable.

There to in each case the cable in the cable channel was mounted into the test equipment which is described in the IEC 60331-11 and connected the core according to IEC 60331-21. Between the conductors was a tension of 400 V. The function receipt was examined by 4 lights. The test cable was stressed during one period by 120 minutes (and/or up to the short-circuit) with a burner according to IEC 60331-11. The examination is considered as existed, if under the test conditions and on the assumption that the intensity of the test flame is sufficient, in order to destroy organic materials, none of the safety devices precipitates itself both in the demand time of 120 minutes.

The test cable was inserted into a testing set after IEC 60331-11 and flamed with an ignition source from the underside.

The arrangement and size of the flame likewise corresponded to above-mentioned standard.

The testing set stands no-draught in a hall.

All further defaults of the above-mentioned test standard were kept likewise.

The flame effected up to the short- circuit and/or maximally 90 minutes on the test cable.

The test was carried out at 05th March 2008.

4 Evaluation

Test No.	Test material	Short-circuit after 120 minutes	Function receipt yes/no
1	NY Y-J 4x16 in a cable channel, all wrapped together with bandage „G+H Pyroment® KVB 2000 / W“	no	yes
2	Only NY Y-J 4x16 wrapped with bandage „G+H Pyroment® KVB 2000 / W“ in cable channel	Short-circuit after 81:00	no

The cable NY Y-J 4 x 16 mounted in a cable channel, all wrapped together with bandage „G+H Pyroment® KVB 2000 / W“ fulfils the requirements of the examination basing to IEC 60331-11 and/or IEC 60331-21, since during the 120 minutes of the examination neither the safety devices nor lights failed.




5 Special Comments

This test report is only valid for the described cable (see clause 2). All designations were given by the manufacturer.

This test report is valid up to the **30th of March 2011**. The validity can be prolonged by application.

Freiberg, 31st March 2008



Dipl.-Ing. Hübler
Qualified Engineer
Manager of the field of fire prevention



Dipl.-Ing. Neubert
Test Engineer