REPORT

issued by an Accredited Testing Laboratory

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NEK Kabel AS
Postboks 186
NO-1471 LØRENSKOG
Norge

Test for vertical flame propagation for a single insulated wire or cable according to EN 60332-1-2

(1 appendix)

Introduction

RISE Safety has by request of NEK Kabel AS performed a fire test according to EN 60332-1-2:2004/A1:2015/A11:2016. The purpose of the test is to form a basis for technical fire classification.

Product

According to the client:

Type:	Copper communication and control cable
Family name:	PFSK
Product name:	PFSK 36x0.50mm^2
Nominal diameter (mm):	16.1
Insulation:	PVC
Braided screen:	Cu
Sheath:	Grey PVC

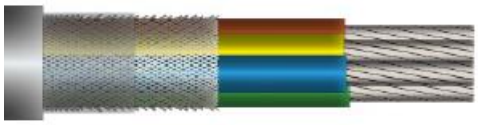


Figure 1

Manufacturer

NEK Kabel AS, Lørenskog, Norge.

Sampling

The sample was delivered by the client. It is not known to RISE Safety – Fire Research if the cable received is representative of the mean production characteristics. The sample was received May 15, 2017 at RISE Safety – Fire Research.

Test results

The test results are given in appendix 1.

The test results relate only to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

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Testing
ISO/IEC 17025

Note

The accreditation referred to is valid for EN 60332-1-2:2004/A1:2015/A11:2016.

RISE Research Institutes of Sweden AB
Safety - Fire Research, Fire Dynamics

Performed by

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Appendix

1. Test results EN 60332-1-2:2004/A1:2015/A11:2016

Appendix 1

Test results EN 60332-1-2:2004/A1:2015/A11:2016

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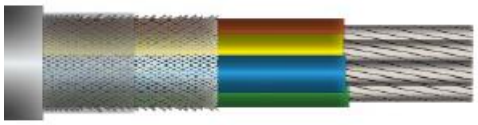


Figure 1

Test results

Length of test sample: 600 mm.

Observations during fire test

The gas flame was applied, s	0
The gas flame was removed, s	60
After flame time, s	15

Observations after fire test

Unaffected length of cable measured from the lower edge of the top support, mm	395
Total damaged length of cable, mm	105

Measured data

Diameter: 15.9 mm.
Weight per 600 mm: 254 g.

Conditioning

Temperature: (23 ± 5) °C.
Relative humidity: (50 ± 20) %.

Date of test

May 24, 2017.