



# TEST REPORT FOR REACTION TO FIRE

Test Report No.: 022738-01/01

Issued: 16. 12. 2020

Notified Body No. 1014

**Name of product:** Alarm(Security) cable  
**Type of product:** 4 x AWG24

**Ratings:** E<sub>ca</sub>  
**Serial number:** -  
**Manufacturer:** **Ningbo Exact Cables & Wire Co.,Ltd.**  
No.227 Yuncai Road,Yunlong Industrial Zone, Yinzhou  
District, Ningbo, 315040,People republic of China

**Production site:** same as manufacturer  
**Ordering firm:** **Ningbo Exact Cables & Wire Co.,Ltd.**  
No.227 Yuncai Road,Yunlong Industrial Zone, Yinzhou  
District, Ningbo, 315040,People republic of China

**Number of tested samples:** 1  
**Samples submitted on:** 9. 12. 2020  
**Location of testing:** Elektrotechnický zkušební ústav, s. p.  
**Tests performed** from 7. 12. 2020 through 9. 12. 2020  
**Other data:** -  
**Tested according to:** EN 60332-1-2:04+A1:15+A11:16,  
EN 60332-1-1:04+A1:15

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Approved by: Jan Tůma  
Testing laboratory technical manager

No. of pages: 3

No. of annexes: 0

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The test results stated in the test report apply only to the tested subject and unless specified otherwise in the test report, the tests were performed using the method and under the conditions determined in the test regulations, technical norm, instructions for use and information provided by the manufacturer on the tested subject and using accessories required by the manufacturer.

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Elektrotechnický zkušební ústav, s. p., Testing laboratory No. 1056 accredited by CAI according to ČSN EN ISO/IEC 17025:2018.

Test	Prescribed			Observed
<b>Test on complete cable</b>				
<b>4 x AWG24 white</b>				
Test for vertical flame propagation EN 60332-1-2, article 5 EN 60332-1-2, article 6 - outer diameter - flame application time - not damage area from lower edge of the top support - damage area from lower edge of the top support - flame spread H		[mm]		3,4
		[s]	60	60
	min.	[mm]	50	352
	max.	[mm]	540	490
	≤	[mm]	425	138

Test type: **Classification of electric cables according to reaction to fire**

Standard: EN 50575, EN 13501-6,  
 EN 60332-1-2, EN 60332-1-1

Test of vertical flame spread on a single cable

Cable type: 4 x AWG24 **white**

Cable producer: Ningbo Exact Cables & Wire Co.,Ltd.

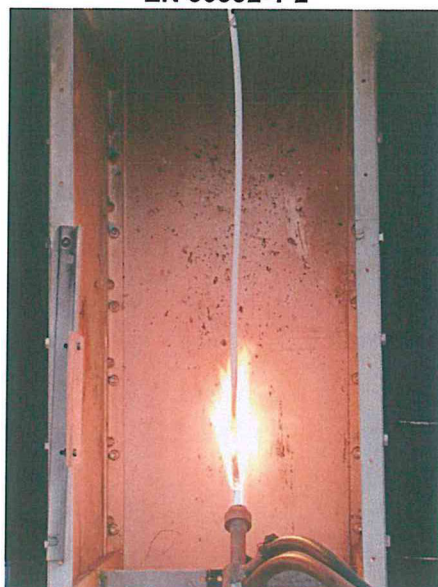
date of test: 9. 12. 2020

Classification according to EN 13501-6:  $E_{ca}$

**EN 60332-1-2**



**Before test**



**Course of the tests**



**After test**

Measuring and testing equipment

Using - mark.X	sort, type	registration number
X	Metter 100 cm	N 400013
X	Slide caliper	259
X	Table stopwatch	551705
X	Test under fire conditions	20 780

If an uncertainty of measurement is given, the expanded a measurement uncertainty is the product of the standard measurement uncertainty and coverage factor  $k = 2$ , which corresponds to a coverage probability of approximately 95% in a normal distribution.

Laboratory conditions during the test were in accordance with specifications of the standards listed on the first page of this test report.

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The end of the Test Report