



**ELECTROTECHNICAL TESTING INSTITUTE**  
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**Notified Testing laboratory No. 1014**  
**No. of the Test Report: 701952-01/05**

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## TEST REPORT FOR REACTION TO FIRE

**Name of product:** Cables  
**Type of product:** H07V-U  
**Ratings:** H07V-U 1x1,5 mm<sup>2</sup> E<sub>ca</sub>  
H07V-U 1x2,5 mm<sup>2</sup> E<sub>ca</sub>  
H07V-U 1x4,0 mm<sup>2</sup> E<sub>ca</sub>  
H07V-U 1x6,0 mm<sup>2</sup> E<sub>ca</sub>  
**Part number:** -  
**Manufacturer:** SC Omnicable SRL, str. Principala 175B ,  
Ernei, Mures, Romania  
**Production site:** same as manufacturer  
**Ordering firm:** SC Omnicable SRL, str. Principala 175B ,  
Ernei, Mures, Romania  
**Number of tested samples:** 4  
**Samples submitted on:** 8. 6. 2017  
**Location of testing:** EZÚ  
**Tested from** 20. 6. 2017 **through** 20. 6. 2017  
**Other data:** -  
**The product was tested according to:** EN 60332-1-1:04+A1:15,  
EN 60332-1-2:04+A1:15+A11:16

Compiled by: **Břetislav Dušek**



Approved by: **Jan Tůma**  
Testing laboratory technical manager

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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When referring to services of EZÚ, s. p., as an accredited laboratory, the customer specified in this report must use the following formulation: "Tested by test laboratory no. 1056, accredited by CAI".

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Test	Prescribed			Observed
<b>Test on complete cable</b>				
<b>H07V-U 1x1,50 mm<sup>2</sup></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]		2,9
		[s]	60	60
	min.	[mm]	50	384
	max.	[mm]	540	482
	≤	[mm]	425	98

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: **H07V-U 1x1,50 mm<sup>2</sup>**

Cable producer: SC Omnicable SRL

date of test: 20. 6. 2017

Classification according to EN 13501-6:

E<sub>ca</sub>

**EN 60332-1-2**



**Before test**



**Course of the tests**



**After test**

Test	Prescribed			Observed
<b>Test on complete cable</b>				
<b>H07V-U 1x2,5 mm<sup>2</sup></b>				
Test for vertical flame propagation EN 60332-1-2, article 5 EN 60332-1-2, article 6				
- outer diameter		[mm]		3,6
- flame application time		[s]	60	60
- not damage area from lower edge of the top support	min.	[mm]	50	348
- damage area from lower edge of the top support	max.	[mm]	540	471
- flame spread H	≤	[mm]	425	123

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: **H07V-U 1x2,5 mm<sup>2</sup>**

Cable producer: SC Omnicable SRL

date of test: 20. 6. 2017

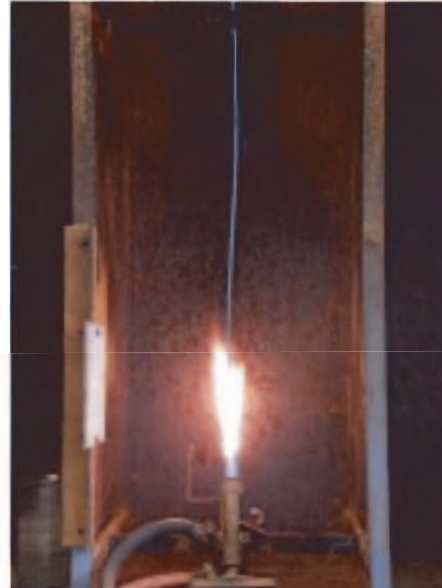
Classification according to EN 13501-6:

E<sub>ca</sub>

EN 60332-1-2



Before test



Course of the tests



After test

Test	Prescribed			Observed
<b>Test on complete cable</b>				
<b>H07V-U 1x4,0 mm<sup>2</sup></b>				
Test for vertical flame propagation EN 60332-1-2, article 5 EN 60332-1-2, article 6				
- outer diameter		[mm]		3,9
- flame application time		[s]	60	60
- not damage area from lower edge of the top support	min.	[mm]	50	352
- damage area from lower edge of the top support	max.	[mm]	540	476
- flame spread H	≤	[mm]	425	124

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: **H07V-U 1x4,0 mm<sup>2</sup>**

Cable producer: SC Omnicable SRL

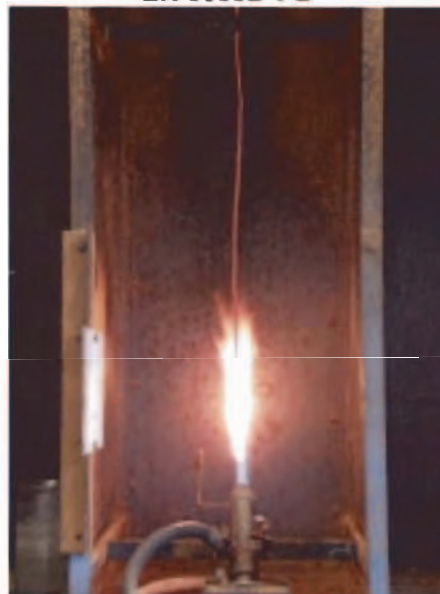
date of test: 20. 6. 2017

Classification according to EN 13501-6: E<sub>ca</sub>

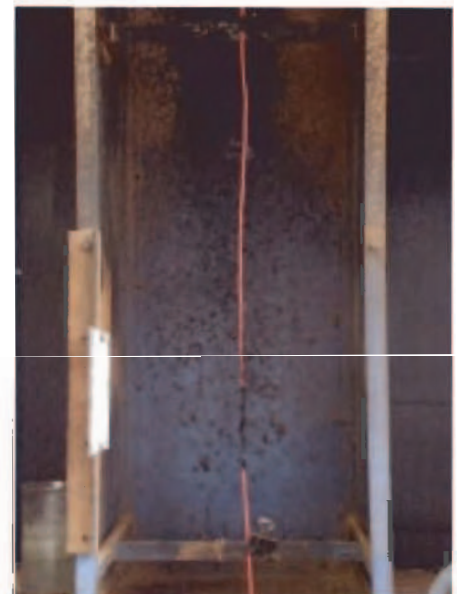
**EN 60332-1-2**



**Before test**



**Course of the tests**



**After test**

Test	Prescribed			Observed
<b>Test on complete cable</b>				
<b>H07V-U 1x6,0 mm<sup>2</sup></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]		4,8
		[s]	60	60
	min.	[mm]	50	376
	max.	[mm]	540	467
	≤	[mm]	425	91

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: **H07V-U 1x6,0 mm<sup>2</sup>**

Cable producer: SC Omnicable SRL

date of test: 20. 6. 2017

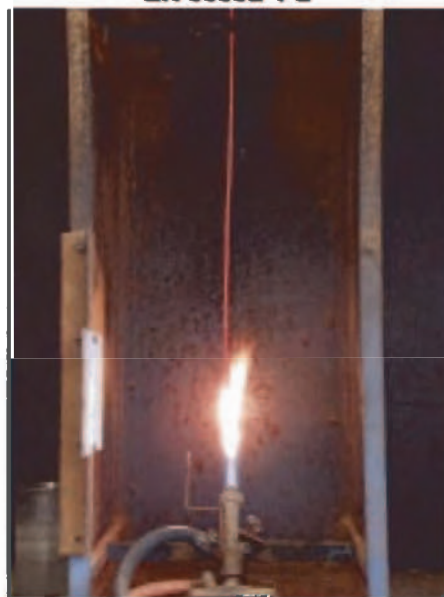
Classification according to EN 13501-6:

E<sub>ca</sub>

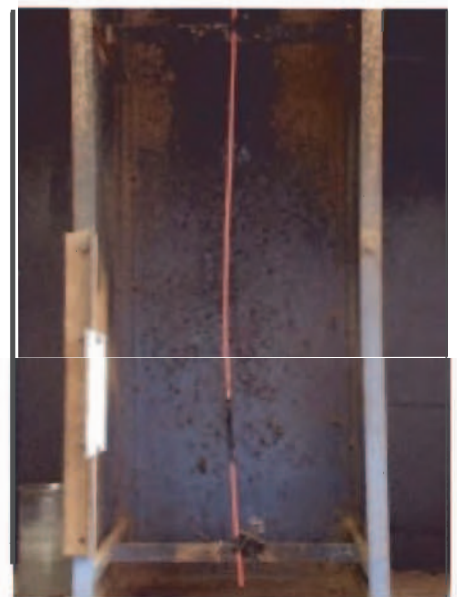
**EN 60332-1-2**



**Before test**



**Course of the tests**



**After test**

**Measuring and testing equipment**

Used	Prescribed	Observed
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.

Compiled by: **Břetislav Dušek**

