



ELECTROTECHNICAL TESTING INSTITUTE
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Notified Testing laboratory No. 1014
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TEST REPORT FOR REACTION TO FIRE

Name of product: Cables
Type of product: H05VV-F
Ratings: H05VV-F 2x0,75 mm² E_{ca}
H05VV-F 5G2,5 mm² E_{ca}
H05VV-F 5G4,0 mm² E_{ca}
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: 3
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 Tuma**
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
Test on complete cable				
H05VV-F 2x0,75 mm²				
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]		6,2
		[s]	60	60
	min.	[mm]	50	130
	max.	[mm]	540	472
	≤	[mm]	425	342

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: **H05VV-F 2x0,75 mm²**

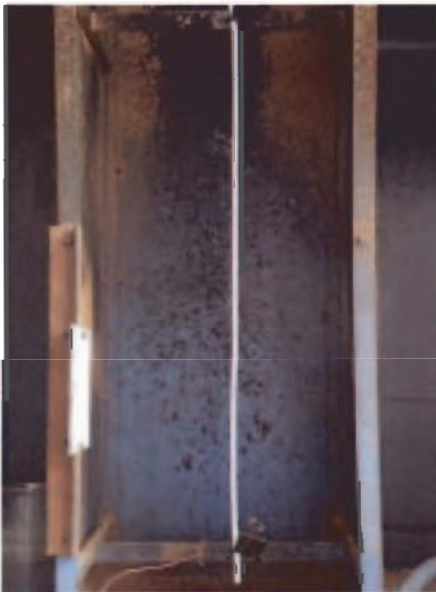
Cable producer: SC Omnicable SRL

date of test: 20. 6. 2017

Classification according to EN 13501-6:

E_{ca}

EN 60332-1-2



Before test



Course of the tests



After test

Test	Prescribed			Observed
Test on complete cable				
H05VV-F 5G2,5 mm²				
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]		12,1
		[s]	60	60
	min.	[mm]	50	328
	max.	[mm]	540	463
	≤	[mm]	425	135

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: **H05VV-F 5G2,5 mm²**

Cable producer: SC Omnicable SRL

date of test: 20. 6. 2017

Classification according to EN 13501-6:

E_{ca}

EN 60332-1-2



Before test



Course of the tests



After test

Test	Prescribed			Observed
Test on complete cable				
H05VV-F 5G4,0 mm²				
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]		14,0
		[s]	60	60
	min.	[mm]	50	350
	max.	[mm]	540	472
	≤	[mm]	425	122

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: **H05VV-F 5G4,0 mm²**

Cable producer: SC Omnicable SRL

date of test: 20. 6. 2017

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

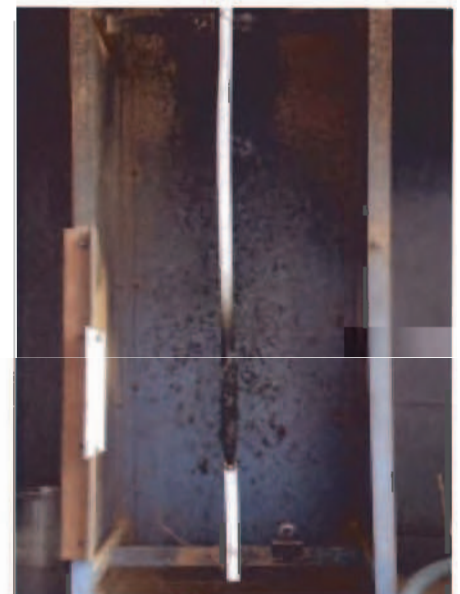
EN 60332-1-2



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**

