



TEST REPORT FOR REACTION TO FIRE

Test Report No.: 802541-01/01

Issued: 18. 9. 2018

Notified Body No. 1014

Name of product: Optical Cables
Type of product: Masterlan DROPX
Ratings: E_{ca}
Serial number: --
Manufacturer: DISCOMP s.r.o., Dopravní 1218/2a, 318 00
Plzeň 3-Skvrňany , Czech Republic
Production site: same as manufacturer
Ordering firm: DISCOMP s.r.o., Dopravní 1218/2a, 318 00
Plzeň 3-Skvrňany , Czech Republic
Number of tested samples: 3
Samples submitted on: 31. 7. 2018
Location of testing: Elektrotechnický zkušební ústav, s. p.
Tests performed from 31. 7. 2018 through 31. 7. 2018
Other data: --
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

No. of pages: 4

No. of annexes: 0

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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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Test	Prescribed		Observed
Test on complete cable			
FDX 12 SMB M			
Test for vertical flame propagation EN 60332-1-2, article 5 EN 60332-1-2, article 6			
- outer diameter		[mm]	4,0
- flame application time		[s]	60
- not damage area from lower edge of the top support	min.	[mm]	50
- damage area from lower edge of the top support	max.	[mm]	540
- flame spread H	≤	[mm]	425
			137

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: **FDX 12 SMB M**

Cable producer: DISCOMP s.r.o.

date of test: 18. 9. 2018

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				
FDX 16 SMB M				
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]		4,0
		[s]	60	60
	min.	[mm]	50	344
	max.	[mm]	540	466
	≤	[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: **FDX 16 SMB M**

Cable producer: DISCOMP s.r.o.

date of test: 18. 9. 2018

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				
FDX 24 SMB M				
Test for vertical flame propagation EN 60332-1-2, article 5 EN 60332-1-2, article 6				
- outer diameter		[mm]		3,8
- flame application time		[s]	60	60
- not damage area from lower edge of the top support	min.	[mm]	50	230
- damage area from lower edge of the top support	max.	[mm]	540	469
- flame spread H	≤	[mm]	425	239

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: **FDX 24 SMB M**

Cable producer: DISCOMP s.r.o.

date of test: 18. 9. 2018

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: **Bretislav Dušek**

