REPORT 0402 – CPR – 7P04047-1

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Reference
7P04047-1

Testing

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Reaction to fire classification report for electric cables

1 Introduction

This classification report defines the classification assigned to the cable "SUPRA SKYFLEX FRHF" in accordance with the procedure given in EN 13501-6:2014.

2 Details of classified product

2.1 General

The product "SUPRA SKYFLEX FRHF" is defined as a copper communication and control cable.

According to the owner of this classification report, this product complies with the European product specification EN 50575:2014+A1:2016.

2.2 Product description

The cable "SUPRA SKYFLEX FRHF" is fully described in the test report provided in support of classification listed in clause 3.1.

3 Reports and test results in support of classification

3.1 Reports

Table 1. Test report and field of application rules forming the basis for this classification.

Name of laboratory	Name of sponsor	Test report reference no	Accredited test methods and date/ field of application rules and date
RISE	Jenving Technology AB	7P04047	EN 50399:2011 and EN 60332-1-2:2004/ A1:2015/A11:2016

3.2 Results

Table 2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean *m*	Compliance with parameters
EN 60332-1-2		1		
	H ≤ 425 mm		(-)	Compliant
EN 50399		1		
	FS (m)		2.18	Compliant
	FIGRA (W/s)		76	Compliant
	THR_{1200s}, (MJ)		19.4	Compliant
	Peak HRR (kW)		29	Compliant
	TSP_{1200s}, (m^2)		40	Compliant
	Peak SPR (m^2/s)		< 0.1	Compliant
	Flaming droplets/particles		(-)	Yes, flaming droplets/particles.
	Flaming droplets/particles > 10 s		(-)	No flaming droplets/particles.

(-) : not applicable

4 Classification and field of application

4.1 Reference and direct field of application

This classification has been carried out in accordance with EN 13501-6:2014.

4.2 Classification

The product called ”SUPRA SKYFLEX FRHF” in relation to its reaction to fire behaviour is classified:

D_{ca}

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets/particles is:

d1

The format of the reaction to fire classification for electrical cables is:

Fire behaviour		Smoke production			Flaming droplets	
D_{ca}	-	s	1	,	d	1

Reaction to fire classification: D_{ca}-s1,d1

4.3 Field of application

The classification is valid for all end use applications.

5 Limitations

This classification document does not represent type approval or certification of the product.

The classification assigned to the cable family in this report is appropriate to the declaration of performance by the manufacturer within the context of system 3 of assessment and verification of constancy of performance and CE marking under Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR). The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested."

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