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CLASSIFICATION REPORT OF REACTION TO FIRE n° EFR-24-000704 F- Review 3

1. INTRODUCTION

This classification report defines the classification assigned to *a communication cable family in* accordance with the procedures given in NF EN 13501-6 : 2018.

CLASSIFICATION OF REACTION TO FIRE FOR ELECTRIC CABLES IN ACCORDANCE WITH NF EN 13501-6 : 2018

Sponsor :	Zhejiang Uniview Technologies Co., Ltd. No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China
Prepared by :	EFECTIS France ZI Les Nappes 149, route du Marc F-38630 LES AVENIERES VEYRINS-THUELLIN
Notified body Nr :	NB 1812
Product name :	UV-F/FTP6A-300-BC23AWG-DCA-R-O
Classification report Nr :	EFR-24-000704 F- review 3
Issue number :	3
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This report cancel and replace the report n° EFR-24-000704 F Review 2

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SUIVI DE RAPPORT / *DOCUMENT FOLLOW-UP*

Indice de Révision *Version*	Modification *Modification*	Commentaire *Comment*	Date *Date*		
0	Création du document *Document creation*	/	*27/02/2024*	Rédacteur *Editor*	G. LE GOFF
				Vérificateur *Verifier*	L. RODIER
				Approbateur *Approver*	L. RODIER
1	Modification de la référence *Modification of reference*	/	*29/02/2024*	Rédacteur *Editor*	G. LE GOFF
				Vérificateur *Verifier*	L. RODIER
				Approbateur *Approver*	L. RODIER
2	Modification dans l'annexe *Modification on annexe*	/	*27/03/2024*	Rédacteur *Editor*	G. LE GOFF
				Vérificateur *Verifier*	L. RODIER
				Approbateur *Approver*	L. RODIER
2	Déclassement du câble *Cable classification downgrade*	/	*26/11/2025*	Rédacteur *Editor*	D.FLAMMIER
				Vérificateur *Verifier*	L. RODIER
				Approbateur *Approver*	L. RODIER

2. DETAILS OF CLASSIFIED PRODUCT

2.1. GENERAL

The product, UV-F/FTP6A-300-BC23AWG-DCA-R-O is defined as a communication cable *(according to the applicable European technical specification EN 50575 : 2014 / A1 : 2016) and a cable family of type optical fiber (according to the extension application of classification CLC/TS 50576 : 2016)*.

2.2. PRODUCT DESCRIPTION

The product, UV-F/FTP6A-300-BC23AWG-DCA-R-O, is described below or is described in the reports provided in support of classification listed in 3.

Product description :	
Component :	4 pairs of PE insulated conductors, Al-mylar tape shield, Braid shield, Drain Wire, Nylon rip-cord, LSZH jacket
Cable shape :	Circular
Conductor size :	23 AWG

3. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1. REPORTS

Name of Laboratory	Name of sponsor of classification report	Report ref. no.	Test method and date/field of application rules and date
EFECTIS France	Zhejiang Uniview Technologies Co., Ltd	EFR-20-FS-001030 F	NF EN 60332-1-2 : 2005 + NF EN 60332-1-2/A1 : 2015 + NF EN 60332-1-2/A11 : 2017
UL LLC	Zhejiang Uniview Technologies Co., Ltd	4789467484CR	EN 50399 : 2011 + A1:2016
UL LLC	Zhejiang Uniview Technologies Co., Ltd	4789467484CR	EN 60754-2:2014 + A1:2020

3.2. RESULTS

Test method and test number	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
NF EN 60332-1-2 : 2005 + NF EN 60332-1-2/A1 : 2015 + NF EN 60332-1-2/A11 : 2017 EFR-20-FS-001030 F	H (mm)	1	60	-
BS EN 60754-2 : 2014 Report No 4789467484CR	pH	3	4.50	-
	Conductivity (µS/mm)		1.42	-
BS EN 50399 : 2011 + A1:2016 Report No 4789467484CR	HRR_{peak} (kW)	1	32.3	-
	SPR_{Peak} (m^2/s)		0.07	-
	THR (MJ)		6.5	-
	TSP (m^2)		17.7	-
	FIGRA		151.3	-
	FS (m)		1.19	-
	Flaming droplets/particles		> 10''	-

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with EN 13501-6 : 2018.

4.2. CLASSIFICATION

The product, UV-F/FTP6A-300-BC23AWG-DCA-R-O, in relation to its reaction to fire behavior is classed :

Dca*

The additional classification in relation to smoke production is :

s1

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

d2

The additional classification in relation to acidity is :

a1

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

Fire behaviour		Smoke production			Flaming droplets			Acidity	
Dca*	**-**	**s**	**1**	**,**	**d**	**2**	**,**	**a**	**1**

i.e. Dca-s1,d2,a1

*** As part of system 3, and in agreement with the applicant, the cable was downgraded to Dca.**

4.3. FIELD OF APPLICATION

This classification is valid for the following product parameters as determined in the extended application process according to *CLC/TS* 50576 : 2016 :

Cable family	*Communication cable*
Colors	*Indifferent*
Component	*4 pairs of PE insulated conductors, Al-mylar tape shield, Braid shield, Drain Wire, Nylon rip-cord, LSZH jacket*
Cable shape :	*Circular*
Conductor size :	*23 AWG*
External diameter :	*8.5 mm*
Manufacturing place	*Zhejiang Wanma Tianyi Communication Wire & Cable Co Ltd* *Chenjia Village Taihuyuan Town* *Lin'an, ZHEJIANG, 310007* *China*
List of classed cables	*See appendix A*

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 product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 of AVCP and CE marking under the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

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.

SIGNED
signature of person undertaking classification

01/12/2025

X Damien FLAMMIER

Project Leader
Signé par : Damien FLAMMIER

APPROUVED
Signature of person authorizing this report

01/12/2025

X Lise RODIER

Reaction to fire test supervisor
Signé par : Lise RODIER

APPENDIX A – REFERENCE OF CLASSED CABLES

DESIGNATION	REFERENCES
UV-F/FTP6A-300-BC23AWG-DCA-R-O	**23AWG x 4 pairs**