centro de ensayos, innovación y servicios

CLASSIFICATION OF REACTION TO FIRE

FOR POWER CABLES IN ACCORDANCE WITH

UNE-EN 13501-6:2015

Sponsor:	S.C. ENERGOPLAST, S.A.
Prepared by:	CEIS S.L. Cr. Villaviciosa de Odón a Móstoles, km 1,5 – 28935 Móstoles Madrid
Place of Manufacture:	Cart.UNIREA complex Avi Cola hall no. 14 (Town BISTRITA) – Zip code : 420005 - ROMANIA
Notified Body No:	1722
Product name:	**CYABY-F 2-4**
Classification report No.:	CEL 993-8/17-1
Issue number:	1
Date of issue:	2017/07/11

This classification report consists of **5** pages and may only be used or reproduced in its entirety.

Approved:
Customer Manager

1. Introduction

This classification report defines the classification assigned to **CYABY-F 2-4** in accordance with the procedures given in EN 13501-6:2014

2. Details of classified product

2.1 General

The product, **CYABY-F 2-4**, is defined as **power cable** in accordance with the procedures given in EN 13501-6.

2.2 Product description

The **CYABY-F 2-4**, is as described in Sample details below.

Cable Identification	Product Code
CYABY-F 2-4	**CYABY-F 3x1,5**
	CYABY-F 3x2,5
	CYABY-F 3x4
	CYABY-F 3x6
	CYABY-F 4x1,5
	CYABY-F 4x2,5
	CYABY-F 4x4
	CYABY-F 4x6

Range of Nominal External Diameters: From 11,80 mm to 17,16 mm

2.2 Traceability

The test samples submitted by **S.C. ENERGOPLAST, S.A.** and received on **29/05/2017**

2.3 Sample details

Test sponsor: S.C. ENERGOPLAST, S.A.

Manufacturer of sample: S.C. ENERGOPLAST, S.A.

Place of manufacture: Cart.UNIREA complex Avi Cola hall no. 14 (Town BISTRITA) - Zip code : 420005 - ROMANIA

Cables Submited for test	Details
CYABY-F 3x1,5	Sample OD: 11,80 mm
CYABY-F 4x6	Sample OD:17,16 mm

3. Reports & results in support of this classification

3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method
CEIS	S.C. ENERGOPLAST, S.A.	CEL 877/17-1	▪ UNE-EN 60332-1-2:2005+A1:2016+A11:2016

3.2 Results

Sample	Parameter	Number of tests	Continuous parameter - mean m	Compliance with parameters
CYABY-F 3x1,5	Flame spread H [mm] ≤ 425	1	100	YES
CYABY-F 4x6	Flame spread H [mm] ≤ 425	1	100	YES

4. Classification and field of application

4.1 Reference of classification

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

4.2 Classification

The product, **CYABY-F 2-4**, in relation to its reaction to fire behaviour is classified:

E_{ca}

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

Fire behaviour		Smoke production			Flaming droplets			Acidity	
E_{ca}									

Reaction to Fire Classification: E_{ca}

The classification assigned to the products in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Regulation.

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 samples tested.

4.3 Field of application

This classification is valid for **the family power cable CYABY-F 2-4** described in "**Product description**" as determined in the extended applications process (Specific EXAP) according to CLC/TS 50576 technical specification and the *Best Practice for Extended field of application (EXAP) for reaction-to-fire Euro-classification of copper communication cables (CCC) NB-CPR/SH02-16/BP07 (Stand 07.11.2016) of Fire Sector Group of Notified Bodies for the Construction Products Regulation.*

This classification is valid for the family **power cables** described in "**Product description**" and listed below.

Cable Identification	Reaction to Fire Classification
CYABY-F 3x1,5	Eca
CYABY-F 3x2,5	Eca
CYABY-F 3x4	Eca
CYABY-F 3x6	Eca
CYABY-F 4x1,5	Eca
CYABY-F 4x2,5	Eca
CYABY-F 4x4	Eca
CYABY-F 4x6	Eca

This classification is valid for all end-use applications.

5. Limitations

This classification will be valid whilst;

- The test methods remain unchanged,
- The product standard or technical approval remains unchanged,
- Constructional or material modifications do not exceed limits of the field of application.

The manufacturer has made a declaration, which is held on file, which the product placed in the marketplace, named in **Details of classified product** section of this report and produced at the manufacturing plant listed therein, is exactly the same as the product that was tested.

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