CE

EU DECLARATION OF CONFORMITY

IMPORTER: TOP ELECTRONIC COMPONENTS S.A.
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We hereby declare that the following described products comply with the appropriate basic safety and health requirements of the Low Voltage Directive 2014/35 EU Article 1. In case of the product not agreed by us this declaration will lose its validity.

PRODUCTS:
H05VV-F , H03VV-F (2X0,50.. 5X4 mm²)
H03VVH2-F ,H05VVH2-F (2X0,50.. 5X4 mm²)
H03V2V2-F , H05V2V2-F (2X0,50.. 5X4 mm²)

APPLICABLE DIRECTIVES :*2014/35/EU LOW VOLTAGE DIRECTIVE , ELECTRICAL EQUIPMENT DESIGNED FOR USE WITHIN CERTAIN VOLTAGE LIMITS*

STANDAR: **EN 50525-2-11**

Fire Test Laboratory

Notified Body
Nr: 2184

AB-0556-T
ERA-22-206
10-22

CLASSIFICATION OF REACTION TO FIRE

IN ACCORDANCE WITH

EN 13501-6:2018

Sponsor : **TOP ELECTRONIC COMPONENTS SA**
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Product name : H05VV-F – 3x2,5 mm^2 – 11,2 mm

Report no. : ERA – 22 – 206

Issue number : 1/2

Date of issue : 11.10.2022

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

1. INTRODUCTION

This classification report defines the classification assigned to *"H05VV-F – 3x2,5 mm² – 11,2 mm"* in accordance with the procedures given in EN 13501-6:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

H05VV-F – 3x2,5 mm² – 11,2 mm is defined as a "type of classified product". Its classification is valid for the following end use application:

EN 50575:2014/A1:2016 - Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements

2.2. Description:

H05VV-F – 3x2,5 mm² – 11,2 mm is fully described in the test reports in support of the classification listed in clause 3.1.

Tested product types:

Product Name	Rated voltage [V]	Overall external diameter [mm]	Cross section area [mm²]	Cable structure
H05VV-F	300/500	11,2	3x2,5	PVC outer sheath, PVC insulation, Stranded copper wire conductor (Class 5) Multicore sheathed (unarmoured) Power cable

3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
TOP ELECTRONIC COMPONENTS S.A.	FTST22839	EN 60332-1-2:2004 EN 60332-1-2:2004/A1:2015 EN 60332-1-2:2004/A11:2016

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean	Compliance parameters
EN 60332-1-2 Flame exposition: 60 s	H (mm)	1	86	(-)
(-): not applicable				

The table below shows the worst results of the classification parameters:

Test method	Parameter	Safety margin	Classification result	Compliance parameters
EN 60332-1-2	H (mm)	(-)	86	≤ 425 (E_{ca})
(-): not applicable				

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 9.3 of EN 13501-6:2018.

4.2. Classification

H05VV-F – 3x2,5 mm² – 11,2 mm in relation to its reaction to fire behaviour is classified:

E_{ca}

The additional classification in relation to smoke production is:

not classified

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

not classified

The additional classification in relation to acidity is:

not classified

The format of the reaction to fire classification for *H05VV-F – 3x2,5 mm² – 11,2 mm* is:

Fire behaviour		Smoke production			Flaming droplets			Acidity	
E_{ca}	-	s	not classified	,	d	not classified	,	a	not classified

Reaction to fire classification: E_{ca}

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	*H05VV-F – 3x2,5 mm²*
Cable family specified in CLC/TS 50576:2016	Multicore sheathed (unarmoured) Power cable
External diameter [mm]	11,2
Rated voltage [V]	300/500
Core	Stranded copper wire conductor (Class 5)
Insulation	PVC
Outer sheath	PVC
Colour	Indifferent
Shape	Circular
Flexibility	Flexible
Manufacturing plant	Article 2.2

The classification is valid for all end use applications.

5. LIMITATION

5.1. Restrictions

This classification report is valid provided that the technical specifications of product are within the limits in accordance with the field of application clause 4.3.

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 attestation of conformity and CE marking under the 305/2011/EU Construction Products Regulation.

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.