



Classification Report No.: 222151-01/02 CLASS

1. Introduction

This classification report defines the classification assigned to **CYKY-J(O) 450/750V** in accordance with the procedures given in ČSN EN 13501-6: ed.2:2019 (EN 13501-6:2018)



**CLASSIFICATION OF REACTION TO FIRE
FOR ELECTRIC CABLES
IN ACCORDANCE WITH ČSN EN 13501-6: ed.2:2019 (EN 13501-6:2018)**

Sponsor:	GAL-KAT ALC. Koniushynna str. 20, Lviv, 79040, Ukraine
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Notified Body No.:	1014
Product name:	CYKY-J(O) 450/750V
Classification report No.:	222151-01/02 CLASS
Issue number:	1
Date of issue:	22.11.2022

This classification report consists of **6** pages and may only be used or reproduced in its entirety.

2. Details of classified product

2.1 General

The product **CYKY-J(O) 450/750V** is defined as Flat PVC cable for fixed indoors and outdoors installation according to ČSN EN 50575 (EN 50575)

2.2 Product description

The product **CYKY-J(O) 450/750V** is described below

Standard:

ČSN 34 7411

Rated voltage:

U0/U (Um) 450/750 V

Conductor:

Copper solid conductor class1 RE, according to EN 60228

Insulation:

The insulation material is PVC and correspond to EN 50363-3, type TI 1

Core identification:

According to EN 50334

Inner covering:

Halogen-free, flame retardant cable filler

Outer sheath:

The sheathing material is PVC and correspond to EN 50363-4-1, type TM 1

3. Reports and results in support of this classification

3.1 Reports

Enter details of report here as applicable

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date/field of application rules and date
ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p.	GAL-KAT ALC. Koniushynna str. 20, Lviv, 79040, Ukraine	222151-01/02	EN 60332-1-2

3.2 Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter - mean m	Compliance with parameters
EN 60332-1-2	Flame spread $H \leq 425$ mm	2	N/A	P
N/A – not applicable, P – Pass, F – Fail				

4. Classification and field of application

4.1 Reference of classification

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

4.2 Classification

The product **CYKY-J(O) 450/750V** 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}	-	-	-	-	,	-	-	,	-	-

i.e. **E_{ca}**

Reaction to fire classification: E_{ca}

4.3 Field of application

This classification is valid for the family of Flat PVC cable for fixed indoors and outdoors installation **CYKY-J(O) 450/750V** described in section 2 and listed below as determined in the extended application process (**EXAP**) according to CLC/TS 50576:2016

Cable Identification	Reaction to Fire Classification	Diameter Ø mm
CYKY-O 2x1,5mm ² 450/750V	Eca	8,24
CYKY-J 5x10mm ² 450/750V	Eca	19,57

Intended use of the product:

Round PVC cable for fixed indoors and outdoors installation, under plaster, to the installation tubes, in the ground and in concrete. The cable is resistant to UV radiation. Installation of the product should only be carried out by personnel trained and qualified for electrical works. The product is designed according to recognized standards. Applicable rules of installation must be applied at all times.

Building Installations

5. Limitations

This classification will be valid until:

- The test method remains unchanged
- Product standard or technical approval remains unchanged
- Constructional or material modifications do not exceed limits of the field of application defined in section 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 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 the samples tested.

SIGNED

signature of person undertaking classification

Josef Malý

APPROVED

signature of person authorizing this report

Miroslav Sedláček

