1. Introduction

This classification report defines the classification assigned to **SCTKXH-2C-5.0-B** in accordance with the procedures given in ČSN EN 13501-6:2014 (EN 13501-6:2014)

ezú elektrotechnický zkušební ústav

CLASSIFICATION OF REACTION TO FIRE

FOR ELECTRIC CABLES

IN ACCORDANCE WITH ČSN EN 13501-6:2014 (EN 13501-6:2014)

Sponsor:	**Finecom Technology Co., Ltd No.4 of Mulin Road, Chang´an Town, Dongguan City, 523860 Guangdong Province, People republic of China**
Prepared by:	**ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. Pod Lisem 129, 171 02, Prague 8 - Troja Czech Republic**
Notified Body No.:	**1014**
Product name	**SCTKXH-2C-5.0-B**
Classification report No.:	**800987-01/02 CLASS**
Issue number:	**1**
Date of issue:	**12.4.2018**

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 **SCTKXH-2C-5.0-B**, is defined as a **Nonmetal Temperature Sensing Optical Fiber Cable** according to ČSN EN 50575 (EN 50575)

2.2 Product description

The product, **SCTKXH-2C-5.0-B**, is described below

Standard:
Reference standard IEC 60794-1-2: 2003

Conductor:
Conductor material is optical fiber, Reference standard IEC 60793-1-40: 2001

Inner sheath:
The inner sheath material is PBT tube

Outer sheath:
The sheath is a low smoke halogen free flame retardant material

Reinforced component:
Strengthening part material for aramid yarn

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.	Finecom Technology Co., Ltd No.4 of Mulin Road, Chang´an Town, Dongguan City, 523860 Guangdong Province, People republic of China	800987-01/02	EN 60332-1-2 EN 60332-1-1

3.2 Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter - mean m	Compliance with parameters
ČSN EN 60332-1-2	Flame spread H ≤ 425 mm	1	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, **SCTKXH-2C-5.0-B**, 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 Nonmetal Temperature Sensing Optical Fiber Cable **SCTKXH-2C-5.0-B** described in section 2 and listed below as determined in the extended application process (**EXAP**) according to
ČSN CLC/TS 50576 (CLC/TS 50576).

Cable Identification	Diameter (mm)
SCTKXH-2C-5.0-B	5

Intended use of the product:
It is very suitable for DTS temperature measurement sites with strong electric field and strong magnetic field interference.

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

Vlastislav Filgas