Classification Report

BASEC Client	**Caleb Cable Industrial Limited**
Report No.	KCPR1138 Classification Issue 3
	Number of pages in this Report: 6
Issue Date	**5 June 2017**

Items Tested	1 sample of copper communication cable
Specification(s)	BS EN 13501-6:2014

Authorised by: I McGuinness Laboratory Manager

Issue Date: 5 June 2017

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BASEC Report No: KCPR1138 Classification Issue 3

Introduction

This classification report defines the classification assigned to the product, a copper communication cable, in accordance with the procedures given in BS EN 13501-6:2014

BASEC
BRITISH APPROVALS SERVICE FOR CABLES

CLASSIFICATION OF REACTION TO FIRE FOR ELECTRIC CABLES IN ACCORDANCE WITH BS EN 13501-6:2014

Sponsor:	**Caleb Cable Industrial Limited**
Prepared for:	**Caleb Cable Industrial Limited**
Place of Manufacture:	**107 Luyuan Road, Ke Yuan Cheng, Tangxia, Dongguan, China**
Prepared by:	British Approvals Service for Cables, Presley House, Presley Way, Crownhill Milton Keynes, MK8 0ES, United Kingdom
Notified Body No.	2661
Classification Report No.	**KCPR1138 Classification – Issue 3**
Issue number:	**3**
Date of issue:	**5 June 2017**

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Details of classified product

General

This classification report defines the classification for the copper communication cable in accordance with the procedures given in BS EN 13501-6:2014.

Product description

The copper communication cable is as described in Sample details below.

Traceability

The test samples submitted by the manufacturer and received on 14 November 2016.

Sample details

Parameter	**Details**
Test sponsor	Caleb Cable Industrial Limited
Manufacturer of sample	Caleb Cable Industrial Limited
Place of manufacture	107 Luyuan Road, Ke Yuan Cheng, Tangxia, Dongguan, China
Cable submitted for test	
S-FTP Cat 6a/Cat7/Cat7a LSZH Dual 23 AWG	2x (4 pairs of PE insulated copper conductors, individual pair shield, overall wire braid screen, LSZH jacket): 7.4mm x 15.2mm Product code CCSFTPCAT6a/Cat7/Cat7a8P

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Reports & results in support of this classification

Reports

Name of Laboratory	Name of test sponsor	Test reports Nos.	Test method/field of application rules
BASEC	Caleb Cable Industrial Limited	KCPR1138	BS EN 50399:2011 BS EN 60332-1-2:2004 + A1:2015
UL LLC		LCPR1313	BS-EN 60754-2:2014

Results

Test method & test number	Parameter	No. tests run	Results	
			Continuous parameter	Compliance with parameters
BS EN 50399:2011	FS	1	2.10m	>2.0m / D_{ca} Compliant
	THR_{1200s}		17.9MJ	≤ 30MJ/ C_{ca} Compliant
	Peak HRR		88.2kW	≤ 400W / D_{ca} Compliant
	FIGRA		331.5W/s	≤ 1300W/s / D_{ca} Compliant
	TSP_{1200s}	1	35.4m^2	≤ 50m^2 / s1 Compliant
	Peak SPR		0.11m^2/s	≤ 0.25m^2/s / s1 Compliant
	Flaming droplets/particles	1	>10s	flaming drips >10s / d2 compliant
BS EN 60332–1-2:2004 + A1:2015	H	1	133mm	≤ 425mm / Compliant
BS-EN 60754-2:2014	pH/conductivity	3	pH = 5.93* conductivity = 1.98µS/mm*	pH = >4.3 and < 2.5µS/mm = a1 compliant

* Weighted average of all components tested

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Classification and field of application

Reference of classification

This classification has been carried out in accordance with BS EN 13501-6:2014

Classification

The copper communication cable in relation to reaction to fire behaviour is classified:

D_{ca}

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**	
D_{ca}	**-**	**s**	**1**	**,**	**d**	**2**	**,**	**a**	**1**

Reaction to Fire Classification: D_{ca}-s1,d2,a1

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.

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Field of application

This classification is valid for the copper communication cable described in 'Sample details' and listed below

Cable Identification	Product Code	Reaction to Fire Classification
S-FTP Cat6a/Cat7/Cat7a LSZH Dual 23 AWG	CCSFTPCAT6a/Cat7/Cat7a8P	D_{ca}-s1,d2,a1

This classification is valid for all end-use applications

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 product description 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.

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