

# Classification Report



**BASEC Client**    **Caleb Cable Industrial Limited**

**Report No.**    **KCPR1082 Classification Issue 2**

Number of pages in this Report: 6

**Issue Date**    **28 February 2017**

**Items Tested**    6 samples of co-axial cables

**Specification(s)**    BS EN 13501-6:2014

Authorised by:    I McGuinness

Laboratory Manager

Issue Date:    28 February 2017

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5950



Notified Body No. 2661

## BASEC Report No: KCPR1082 Classification Issue 2

### Introduction

This classification report defines the classification assigned to the product, co-axial cables, in accordance with the procedures given in BS EN 13501-6:2014



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

<b>Sponsor:</b>	<b>Caleb Cable Industrial Limited</b>
<b>Prepared for:</b>	<b>Caleb Cable Industrial Limited</b>
<b>Place of Manufacture:</b>	<b>107 Luyuan Road, Ke Yuan Cheng, Tangxia, Dongguan, China</b>
<b>Prepared by:</b>	British Approvals Service for Cables, Presley House, Presley Way, Crownhill Milton Keynes, MK8 0ES, United Kingdom
<b>Notified Body No.</b>	2661
<b>Classification Report No.</b>	<b>KCPR1082 Classification Issue 2</b>
<b>Issue number:</b>	<b>2</b>
<b>Date of issue:</b>	<b>28 February 2017</b>

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## BASEC Report No: KCPR1082 Classification Issue 2

### Details of classified product

#### General

This classification report defines the classification for the co-axial cables in accordance with the procedures given in BS EN 13501-6:2014.

#### Product description

The co-axial cables are as described in Sample details below.

#### Traceability

The test samples submitted by the manufacturer and received on 18 October 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
Cables submitted for test	
CC61/63/65 PVC/LSF	<i>22 AWG copper conductor, PE insulation, metallic foil, wire braid, PVC/LSF jacket: 4.5mm OD</i>
CC125 PVC/LSF	<i>16 AWG copper conductor, PE insulation, metallic foil, wire braid, PVC/LSF jacket: 7.9mm OD</i>
CC65 PVC/LSF Dual	<i>2x (22 AWG copper conductor, PE insulation, metallic foil, wire braid, PVC/LSF jacket): 9.5mm x 4.6mm OD</i>
CC100 PVC/LSF Dual	<i>2x (18 AWG copper conductor, PE insulation, metallic foil, wire braid, PVC/LSF jacket): 13.5mm x 6.6mm OD</i>
CC80 LSZH	<i>20 AWG copper conductor, PE insulation, metallic foil, wire braid, LSZH jacket: 5.0mm OD</i>
CC113 LSZH	<i>17 AWG copper conductor, PE insulation, metallic foil, wire braid, LSZH jacket: 6.8mm OD</i>

*Italicised text is information supplied by the sponsor*

## BASEC Report No: KCPR1082 Classification Issue 2

### 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	KCPR1082	BS EN 60332-1-2:2004 + A1:2015

#### Results

Cable	Parameter	No. tests runs	Results	
			Continuous parameter	Compliance with parameters Criterion for Class Eca
CC61/63/65 PVC/LSF	H	1	87mm	≤ 425mm / Compliant
CC125 PVC/LSF	H	1	92mm	≤ 425mm / Compliant
CC65 PVC/LSF Dual	H	1	156mm	≤ 425mm / Compliant
CC100 PVC/LSF Dual	H	1	225mm	≤ 425mm / Compliant
CC80 LSZH	H	1	108mm	≤ 425mm / Compliant
CC113 LSZH	H	1	106mm	≤ 425mm / Compliant

## BASEC Report No: KCPR1082 Classification Issue 2

### Classification and field of application

#### Reference of classification

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

#### Classification

The co-axial cables in relation to reaction to fire behaviour are 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.

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### Field of application

This classification is valid for the co-axial cables described in 'Sample details' and listed below

Cable Identification	Reaction to Fire Classification
CC61/63/65 PVC/LSF	E <sub>ca</sub>
CC80 PVC/LSF	E <sub>ca</sub>
CC100 (RG6) PVC/LSF	E <sub>ca</sub>
CC113 PVC/LSF	E <sub>ca</sub>
CC125 PVC/LSF	E <sub>ca</sub>
CC65 PVC/LSF Dual	E <sub>ca</sub>
CC100 PVC/LSF Dual	E <sub>ca</sub>
CC80 LSZH	E <sub>ca</sub>
CC100 (RG6) LSZH	E <sub>ca</sub>
CC113 LSZH	E <sub>ca</sub>

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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