

# Classification Report



**BASEC Client** Caleb Cable Industrial Limited

**Report No.** KCPR1109-3 Classification Issue 2

Number of pages in this Report: 6

**Issue Date** 29 January 2018

**Items Tested** 2 samples of copper multicore screened cable

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

Authorised by: I McGuinness

Laboratory Manager

Issue Date: 29 January 2018

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Notified Body No. 2661

**Introduction**

This classification report defines the classification assigned to the product, Screened Pair Cable PE Insulation, PVC Jacket 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>Cable Family Name:</b>	<b>Screened Pair Cable PE Insulation, PVC/LSF Sheath</b>
<b>Classification Report No.</b>	<b>KCPR1109-3 Classification</b>
<b>Issue number:</b>	<b>2</b>
<b>Date of issue:</b>	<b>29 January 2018</b>

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## BASEC Report No: KCPR1109-3 Classification

### Details of classified product

#### General

This classification report defines the classification for the Screened Pair Cable PE Insulation, PVC Jacket cables in accordance with the procedures given in BS EN 13501-6:2014.

#### Product description

The Screened Pair Cable PE Insulation, PVC Jacket cables are 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
Cables submitted for test	
Screened Pair Cable PE Insulation, PVC Jacket 2x2x22AWG	<i>22 AWG copper conductor, PE insulation, laminated aluminium tape, PVC/LSF jacket: 4.3mm OD</i>
Screened Pair Cable PE Insulation, PVC Jacket 3x2x22AWG	<i>22 AWG copper conductor, PE insulation, laminated aluminium tape, PVC/LSF jacket: 6.9mm OD</i>

*Italicised text is information supplied by the sponsor*

## BASEC Report No: KCPR1109-3 Classification

### 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	KCPR1109	BS EN 60332-1-2:2004 + A1:2015

#### Results

Cable	Parameter	No. tests runs	Results	
			Continuous parameter	Compliance with parameters Criterion for Class Eca
Screened Pair Cable PE Insulation, PVC Jacket 2x2x22AWG	H	1	115mm	≤ 425mm / Compliant
Screened Pair Cable PE Insulation, PVC Jacket 3x2x22AWG	H	1	110mm	≤ 425mm / Compliant

## BASEC Report No: KCPR1109-3 Classification

### 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 multicore screened cables in relation to reaction to fire behaviour are classified:

E<sub>ca</sub>

The format of the reaction to fire classification for electric cables is:

Fire Behaviour		Smoke Production				Flaming Droplets			Acidity	
E <sub>ca</sub>	-	-	-	-	,	-	-	,	-	-

**Reaction to fire classification: E<sub>ca</sub>**

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.

## BASEC Report No: KCPR1109-3 Classification

### Field of application

This classification is valid for the copper multicore cables described in 'Sample details' and listed below

Cable Identification	Product Code	Reaction to Fire Classification
Screened Pair Cable PE Insulation, PVC Jacket 1x2x18AWG	CC87160PVC/LSF	E <sub>ca</sub>
Screened Pair Cable PE Insulation, PVC Jacket 1x2x20AWG	CC87162PVC/LSF	E <sub>ca</sub>
Screened Pair Cable PE Insulation, PVC Jacket 1x2x22AWG	CC87161PVC/LSF	E <sub>ca</sub>
Screened Pair Cable PE Insulation, PVC Jacket 2x2x22AWG	CC87123PVC/LSF	E <sub>ca</sub>
Screened Pair Cable PE Insulation, PVC Jacket 3x2x22AWG	CC87177PVC/LSF	E <sub>ca</sub>
Screened Pair Cable PE Insulation, PVC Jacket 1x2x17AWG	CAB-307 PVC	E <sub>ca</sub>
Screened Pair Cable PE Insulation, PVC Jacket 1x2x19AWG	CC1219SPVC/LSF	E <sub>ca</sub>
Screened Pair Cable PE Insulation, PVC Jacket 1x2x21AWG	CC1221SPVC/LSF	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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