

Classification Report



BASEC Client **Caleb Cable Industrial Limited**

Report No. KCPR1040-8 Classification
Number of pages in this Report: 6

Issue Date **16 December 2016**

Items Tested 2 samples of Alarm Cable

Specification(s) BS EN 13501-6:2014

Authorised by: I McGuinness

Laboratory Manager

Issue Date: 16 December 2016

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5950



Notified Body No. 2661

Introduction

This classification report defines the classification assigned to the product, Alarm 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**

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
Cable Family Name:	Alarm Cable LSZH Shielded
Classification Report No.	KCPR1040-8 Classification
Issue number:	1
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Details of classified product

General

This classification report defines the classification for the Alarm Cables in accordance with the procedures given in BS EN 13501-6:2014.

Product description

The Alarm Cables are as described in Sample details below.

Traceability

The test samples submitted by the manufacturer and received on 6 December 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	
Alarm Cable LSZH Shielded 2x0.22mm ²	<i>2x0.22mm² copper conductors, LSZH insulation, Al-Pet tape, rip cord, LSZH jacket: 3.1mm OD</i>
Alarm Cable LSZH Shielded 2x0.5mm ² +6x0.22mm ²	<i>2x0.5mm²+6x0.22mm² copper conductors, LSZH insulation, Al-Pet tape, rip cord, LSZH jacket: 5.2mm OD</i>

Italicised text is information supplied by the sponsor

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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	KCPR1040	BS EN 60332-1-2:2004 + A1:2015

Results

Cable	Parameter	No. tests runs	Results	
			Continuous parameter	Compliance with parameters Criterion for Class Eca
Alarm Cable LSZH Shielded 2x0.22mm ²	H	1	79mm	≤ 425mm / Compliant
Alarm Cable LSZH Shielded 2x0.5mm ² +6x0.22mm ²	H	1	86mm	≤ 425mm / Compliant

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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 Alarm 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 Alarm Cables described in 'Sample details' and listed below

Cable Identification	Product Code	Reaction to Fire Classification
Alarm Cable LSZH Shielded 2x0.22mm ²	Alarm Cable 2Cx0.22mm ² LSZH Shielded	E _{ca}
Alarm Cable LSZH Shielded 4x0.22mm ²	Alarm Cable 4Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 6x0.22mm ²	Alarm Cable 6Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 8x0.22mm ²	Alarm Cable 8Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 2x0.50mm ² +2x0.22mm ²	Alarm Cable 2Cx0.50mm ² +2Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 2x0.50mm ² +4x0.22mm ²	Alarm Cable 2Cx0.50mm ² +4Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 2x0.50mm ² +6x0.22mm ²	Alarm Cable 2Cx0.50mm ² +6Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 2x0.50mm ² +8x0.22mm ²	Alarm Cable 2Cx0.50mm ² +8Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 2x0.75mm ² +2x0.22mm ²	Alarm Cable 2Cx0.75mm ² +2Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 2x0.75mm ² +4x0.22mm ²	Alarm Cable 2Cx0.75mm ² +4Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 2x0.75mm ² +6x0.22mm ²	Alarm Cable 2Cx0.75mm ² +6Cx0.22mm ² LSZH Shielded	
Alarm Cable LSZH Shielded 2x0.75mm ² +8x0.22mm ²	Alarm Cable 2Cx0.75mm ² +8Cx0.22mm ² LSZH Shielded	

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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