

Classification Report



BASEC Client **Caleb Cable Industrial Limited**

Report No. KCPR1109-2 Classification
Number of pages in this Report: 6

Issue Date **19 December 2016**

Items Tested 2 samples of copper multicore cable

Specification(s) BS EN 13501-6:2014

Authorised by: I McGuinness

Laboratory Manager

Issue Date: 19 December 2016

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5950



Notified Body No. 2661

Introduction

This classification report defines the classification assigned to the product, Unscreened Pair Cable LSZH 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:	Unscreened Pair Cable LSZH
Classification Report No.	KCPR1109-2 Classification
Issue number:	1
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Details of classified product

General

This classification report defines the classification for the Unscreened Pair Cable LSZH cables in accordance with the procedures given in BS EN 13501-6:2014.

Product description

The Unscreened Pair Cable LSZH 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	
<i>Unscreened Pair Cable LSZH 1x2x22AWG</i>	<i>22 AWG copper conductor, LSZH insulation, LSZH jacket: 4.3mm OD</i>
<i>Unscreened Pair Cable PVC 1x2x16AWG</i>	<i>16 AWG copper conductor, LSZH insulation, LSZH jacket: 7.0mm 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	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
Unscreened Pair Cable LSZH 1x2x22AWG	H	1	84mm	≤ 425mm / Compliant
Unscreened Pair Cable LSZH 1x2x16AWG	H	1	91mm	≤ 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 copper multicore 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 copper multicore cables described in 'Sample details' and listed below

Cable Identification	Product Code	Reaction to Fire Classification
Unscreened Pair Cable LSZH 1x2x22AWG	CC84142LSZH	E _{ca}
Unscreened Pair Cable LSZH 1x2x20AWG	CC82105LSZH	E _{ca}
Unscreened Pair Cable LSZH 1x2x16AWG	CC84171LSZH	E _{ca}

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.

-- END OF REPORT --