

Classification Report



BASEC Client Caleb Cable Industrial Limited

Report No. KCPR1109-5 Classification Issue 4

Number of pages in this Report: 6

Issue Date 29 January 2018

Items Tested 2 samples of copper communication 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, copper communication 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:	Screened Pair Cable PE Insulation, LSZH Jacket
Classification Report No.	KCPR1109-5 Classification Issue 4
Issue number:	4
Date of issue:	29 January 2018

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Details of classified product

General

The product Screened Pair Cable PE Insulation, LSZH Jacket is classified in accordance with the procedures given in BS EN 13501-6:2014 and is defined as a copper communication cable according to BS EN 50575:2014+A1:2016.

Product description

The Screened Pair Cable PE Insulation, LSZH Jacket are as described in Sample details below.

Traceability

The test samples were 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>Screened Pair Cable PE Insulation, LSZH Jacket 1x2x16AWG</i>	<i>1 Pair copper communication cable. 1 pair of 16AWG copper conductors, PE insulation, laminated aluminium tape, LSZH jacket. OD = 8.0mm</i>
<i>Screened Pair Cable PE Insulation, LSZH Jacket 2x2x22AWG</i>	<i>2 Pair copper communication cable. 2 pairs of 22AWG copper conductors, PE insulation, laminated aluminium tape, LSZH jacket. OD = 4.3mm</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 report Nos.	Test method/field of application rules
BASEC	Caleb Cable Industrial Limited	KCPR1109	BS EN 60332-1-2:2004+A11:2016

Results

Cable	Parameter	No. tests runs	Results	
			Continuous parameter	Compliance parameters
Screened Pair Cable PE Insulation, LSZH Jacket 1x2x16AWG	H	1	112mm	≤425mm = E _{ca} Compliant
Screened Pair Cable PE Insulation, LSZH Jacket 2x2x22AWG	H	1	86mm	≤425mm = E _{ca} 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 communication 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 power cables described in 'Sample details' and listed below as determined in the extended application process according to PD CLC/TS 50576:2016.

Cable Identification	Number of Pairs	Conductor Size	Product Code	Reaction to Fire Classification
Screened Pair Cable PE Insulation, LSZH Jacket	1	16AWG	CC87119LSZH	E _{ca}
	1	17AWG	CC1217SLSZH	
	1	18AWG	CC87160LSZH	
	1	19AWG	CC1219SLSZH	
	1	20AWG	CC87162LSZH	
	1	21AWG	CC1221SLSZH	
	1	22AWG	CC87161LSZH	
	1	24AWG	CC1224SLSZH	
	2	16AWG	CC2216SLSZH	
	2	17AWG	CC2217SLSZH	
	2	18AWG	CC2218SLSZH	
	2	19AWG	CC2219SLSZH	
	2	20AWG	90Y06 ZH	
	2	21AWG	CC2221SLSZH	
	2	22AWG	CC87123LSZH	
	3	22AWG	CC87177LSZH	

This classification is valid for cables for general application in construction works subject to reaction to fire requirements.

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, that the product placed in the marketplace, named in the 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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