

Classification Report



BASEC Client Caleb Cable Industrial Limited

Report No. LCPR1311-1 Classification Issue 5

Number of pages in this Report: 6

Issue Date 13 July 2017

Items Tested 3 samples of communication cable

Specification(s) BS EN 13501-6:2014

Authorised by: I McGuinness

Laboratory Manager

Issue Date: 13 July 2017

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5950



Notified Body No. 2661

Introduction

This classification report defines the classification assigned to the product, electric cable, 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
Product Name: UTP
Classification Report No. LCPR1311-1 Classification Issue 5
Issue number: 5
Date of issue: 13 July 2017

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Details of classified product

General

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

Product description

The communication cable is as described in Sample details below.

Traceability

The test samples submitted by the manufacturer and received on 5 April 2017.

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	
UTP Cat 5e/Cat 6 LSZH 26 AWG	4 pairs of HDPE insulated conductors, LSZH jacket: 4.2mm OD
UTP Cat 5e/Cat 6 LSZH 25 AWG	4 pairs of HDPE insulated conductors, filler, LSZH jacket: 4.8mm OD
UTP Cat 6/Cat 6a LSZH 23 AWG	4 pairs of HDPE insulated conductors, filler, LSZH jacket: 5.8mm OD

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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	KCPR1023	BS EN 60332-1-2:2004 + A1:2015
BASEC	Caleb Cable Industrial Limited	LCPR1311	BS EN 60332-1-2:2004 + A11:2016

Results

Cable	Parameter	No. tests runs	Results	
			Continuous parameter - mean <i>m</i>	Compliance with parameters Criterion for Class Eca
UTP Cat 5e/Cat 6 LSZH 26 AWG	H	1	88mm	≤ 425mm = Compliant
UTP Cat 5e/Cat 6 LSZH 25 AWG	H	1	96mm	≤ 425mm = Compliant
UTP Cat 6/Cat 6a LSZH 23 AWG	H	1	82mm	≤ 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 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 electric cable described in 'Cable Identification' and listed below

Cable Identification	Reaction to Fire Classification
UTP Cat 5e/Cat 6 LSZH 26 AWG	E _{ca}
UTP Cat 5e/Cat 6 LSZH 25 AWG	E _{ca}
UTP Cat 5e/Cat 6 LSZH 24 AWG	E _{ca}
UTP Cat 6/Cat 6a LSZH 23 AWG	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 ---