

Classification Report



BASEC Client **Caleb Cable Industrial Limited**

Report No. KCPR1023 Classification

Number of pages in this Report: 6

Issue Date **22 September 2016**

Items Tested 13 samples of copper communication cables

Specification(s) BS EN 13501-6:2014

Authorised by: I McGuinness

Laboratory Manager

Issue Date: 22 September 2016

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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 Yan 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
Classification report No.	KCPR1023 Classification
Issue number:	1
Date of issue:	22 September 2016

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BASEC Report No: K1CPR763 Classification

Details of classified product

General

This classification report defines the classification for the copper communication cables in accordance with the procedures given in BS EN 13501-6:2014.

Product description

The copper communication cables as described in Sample details below.

Traceability

The test samples submitted by the manufacture and received on 22 August 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 Yan Cheng, Tangxia, Dongguan, China
Cables submitted for test	
UTP Cat 6 LSZH 23 AWG	4 pairs of insulated conductors, filler, jacket: 5.8mm OD
UTP Cat 6 LSZH 25 AWG	4 pairs of insulated conductors, filler, jacket: 4.8mm OD
S-FTP Cat 6a/Cat 7/Cat 7a LSZH 23 AWG	4 pairs of insulated conductors, shield, braid, jacket: 7.6mm OD
S-FTP Cat 6a/Cat 7/Cat 7a LSZH 22 AWG	4 pairs of insulated conductors, shield, braid, jacket: 8.4mm OD
S-FTP Cat 7 LSZH Dual 23 AWG	2 x (4 pairs of insulated conductors, shield, braid, jacket): 7.6mm x 16.2mm
S-FTP Cat 7 LSZH Dual 22 AWG	2 x (4 pairs of insulated conductors, shield, braid, jacket): 7.7mm x 16.3mm
U-FTP Cat 6A LSZH 23AWG	4 pairs of foil taped insulated conductors, drain wire, jacket: 7.1mm OD
U-FTP Cat 6A LSZH Dual 23AWG	2 (4 pairs of foil taped insulated conductors, drain wire, jacket): 7.1mm x 15mm
F-UTP Cat 6 LSZH 23AWG	4 pairs of insulated conductors, over binder tape, drain wire, shield, jacket: 7.1mm OD
F-UTP Cat 6 LSZH Dual 23AWG	2 x (4 pairs of insulated conductors, over binder tape, drain wire, shield, jacket): 7.2mm x 15.0mm
F-FTP Cat 6A/Cat 7 LSZH 23AWG	4 pairs of foil taped insulated conductors, drain wire, shield, jacket: 7.3mm OD
F-FTP Cat 6A/Cat 7 LSZH Dual 23AWG	2 x (4 pairs of foil taped insulated conductors, drain wire, shield, jacket): 7.2mm x 15.4mm
CC100	Conductor, insulation, shield, braid, jacket: 6.6mm OD

BASEC Report No: K1CPR763 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	KCPR1023	BS EN 60332-1-2:2004 + A1:2015

Results

Cable	Parameter	No. tests runs	Results	
			Continuous parameter - mean <i>m</i>	Compliance with parameters Criterion for Class Eca
UTP Cat 6 LSZH 23 AWG	H	1	85mm	≤ 425mm / Compliant
UTP Cat 6 LSZH 25 AWG	H	1	158mm	≤ 425mm / Compliant
S-FTP Cat 6a/Cat 7/Cat 7a LSZH 23 AWG	H	1	148mm	≤ 425mm / Compliant
S-FTP Cat 6a/Cat 7/Cat 7a LSZH 22 AWG	H	1	186mm	≤ 425mm / Compliant
S-FTP Cat 7 LSZH Dual 23 AWG	H	1	98mm	≤ 425mm / Compliant
S-FTP Cat 7 LSZH Dual 22 AWG	H	1	165mm	≤ 425mm / Compliant
U-FTP Cat 6A LSZH 23AWG	H	1	87mm	≤ 425mm / Compliant
U-FTP Cat 6A LSZH Dual 23AWG	H	1	126mm	≤ 425mm / Compliant
F-UTP Cat 6 LSZH 23AWG	H	1	79mm	≤ 425mm / Compliant
F-UTP Cat 6 LSZH Dual 23AWG	H	1	139mm	≤ 425mm / Compliant
F-FTP Cat 6A/Cat 7 LSZH 23AWG	H	1	118mm	≤ 425mm / Compliant

BASEC Report No: K1CPR763 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 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	
B2_{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.

BASEC Report No: K1CPR763 Classification

Field of application

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

Cable Identification	Reaction to Fire Classification
UTP Cat 6 LSZH 23 AWG	E _{ca}
UTP Cat 6 LSZH 25 AWG	E _{ca}
S-FTP Cat 6a/Cat 7/Cat 7a LSZH 23 AWG	E _{ca}
S-FTP Cat 6a/Cat 7/Cat 7a LSZH 22 AWG	E _{ca}
S-FTP Cat 7 LSZH Dual 23 AWG	E _{ca}
S-FTP Cat 7 LSZH Dual 22 AWG	E _{ca}
U-FTP Cat 6A LSZH 23AWG	E _{ca}
U-FTP Cat 6A LSZH Dual 23AWG	E _{ca}
F-UTP Cat 6 LSZH 23AWG	E _{ca}
F-UTP Cat 6 LSZH Dual 23AWG	E _{ca}
F-FTP Cat 6A/Cat 7 LSZH 23AWG	E _{ca}
F-FTP Cat 6A/Cat 7 LSZH Dual 23AWG	E _{ca}
CC100	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 --