

Classification Report



BASEC Client **Zhejiang Zhaolong Interconnect Technology Co. Ltd.**

Report No. T1CPRT789-13 Issue 2 Classification

Number of pages in this Report: 6

Issue Date **29 July 2022**

Items Tested 1 sample of Communications Cable

Specification(s) BS EN 13501-6:2014

Authorised by: I McGuinness

Laboratory Manager

Issue Date: 29 July 2022

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Approved Body No. 2661

BASEC Report No: T1CPRT789-13 Issue 2 Classification

Introduction

This classification report defines the classification assigned to the product, Communications Cable , in accordance with the procedures given in BS EN 13501-6:2014.



CLASSIFICATION OF REACTION TO FIRE FOR ELECTRIC CABLE S IN ACCORDANCE WITH BS EN 13501-6:2014

Sponsor: Zhejiang Zhaolong Interconnect Technology Co. Ltd.
Prepared for: Zhejiang Zhaolong Interconnect Technology Co. Ltd., Shilin Industrial Zone, Xinshi Town, Deqing County, Zhejiang, China
Prepared by: British Approvals Service for Cables, Presley House, Presley Way, Crownhill Milton Keynes, MK8 0ES, United Kingdom
Product Name: S/FTP CAT6A 4P 23AWG LSZH, S/FTP CAT7 4P 23AWG LSZH, S/FTP CAT7A 4P 23AWG LSZH
Approved Body No. 2661
Classification Report No. T1CPRT789-13 Classification
Issue number: 2
Date of issue: 29 July 2022

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Details of classified product

General

The cable S/FTP CAT6A 4P 23AWG LSZH, S/FTP CAT7 4P 23AWG LSZH, S/FTP CAT7A 4P 23AWG LSZH is classified in accordance with the procedures given in BS EN 13501-6:2014 and is defined as a Communications Cable according to BS EN 50575:2014+A1:2016

Product description

The Communications Cable is described in Sample details below.

Traceability

The test samples were submitted by the manufacturer.

Sample details

Parameter	Details
Test sponsor	Zhejiang Zhaolong Interconnect Technology Co. Ltd.
Manufacturer of sample	Zhejiang Zhaolong Interconnect Technology Co. Ltd. Shilin Industrial Zone, Xinshi Town, Deqing County, Zhejiang, China
Trade Name	S/FTP CAT6A 4P 23AWG LSZH, S/FTP CAT7 4P 23AWG LSZH, S/FTP CAT7A 4P 23AWG LSZH
Cables submitted for test	
S/FTP CAT6A 4P 23AWG LSZH	<i>23 AWG, Solid Bare Copper Conductor, Skin-foam-skin Insulation, Al/Mylar Tape, Drain Wire Inner Screen, Tinned Copper or Aluminium-magnesium Braid, Ripcord, LSZH Sheath.</i> OD = 7.4 mm

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
DELTA	Zhejiang Zhaolong Interconnect Technology Co. Ltd.	DK0199-EC-2017720 T729443-23	BS EN 50399:2011+A1:2016 BS EN 60332-1-2:2004+A11:2016 BS EN 60754-2:2014

Results

Test method	Parameter	No. tests runs	Results	
			Continuous parameter	Compliance parameters
BS EN 50399:2011 +A1:2016	FS	1	1.1m	≤1.5m = B2ca Compliant
	THR _{1200s}		5.7MJ	≤ 15MJ = B2ca Compliant
	Peak HRR		26.2kW	≤ 30kW = B2ca Compliant
	FIGRA		152.5W/s	≤ 300W/s = Cca Compliant
BS EN 60332-1-2:2004 +A11:2016	TSP _{1200s}	1	9.8m ²	≤ 50m ² = s1 compliant
	Peak SPR		0.08m ² /s	≤ 0.25m ² /s = s1 compliant
	Flaming droplets/particles		≤10s	= d1 Compliant
BS EN 60754-2:2014	Weighted pH/ conductivity	3	pH = 6.88 conductivity =0.52μS/mm	pH > 4.3 + conductivity < 2.5μs/mm = a1 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 F/UTP CAT6 4P 23AWG LSZH, F/UTP CAT6A 4P 23AWG LSZH, U/UTP-DF CAT6A 4P 23AWG LSZH in relation to reaction to fire behaviour are classified:

D_{ca}

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets / particles is:

d2

The additional classification in relation to acidity is:

a1

The format of the reaction to fire classification for Fibre optic cables is:

Fire Behaviour		Smoke Production			Flaming Droplets			Acidity	
D _{ca}	-	s	2	,	d	2	,	a	1

Reaction to fire classification: D_{ca}-s2,d2,a1

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 UKCA marking under the Construction Products Regulation, as amended by the construction Products (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/465)

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 Communications Cables described in 'Sample details' and listed below as determined in the extended application process according to PD-CLC/TS 50576-2016.

Brand Name	Identification	Product code	AWG	Reaction to Fire Classification
Zhejiang Zhaolong Interconnect Technology Co. Ltd.	S/FTP CAT6 4P 23AWG LSZH	G2408-035	23	D _{ca} -s2,d2,a1
	S/FTP CAT6A 4P 23AWG LSZH	G2505-195		
	S/FTP CAT7 4P 23AWG LSZH	G2602-163		
	S/FTP CAT7A 4P 23AWG LSZH	G2701-090		

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 --