Classification Report

BASEC Client	**Shenzhen IDX Communication Technology Co., Ltd.**
Report No.	LCPR1570 Classification Number of pages in this Report: 6
Issue Date	**5 September 2017**

Items Tested	1 sample of Optical Fibre Cable
Specification(s)	BS EN 13501-6:2014

Authorised by: I McGuinness Laboratory Manager

Issue Date: 5 September 2017

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BASEC Report No: LCPR1570 Classification

Introduction

This classification report defines the classification assigned to the product, optical fibre cable, in accordance with the procedures given in BS EN 13501-6:2014

BASEC
BRITISH APPROVALS SERVICE FOR CABLES

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

Sponsor:	**Shenzhen IDX Communication Technology Co., Ltd.**
Prepared for:	**Shenzhen IDX Communication Technology Co., Ltd.**
Places of Manufacture:	**Shenzhen IDX Communication Technology Co., Ltd., 2F Building 2, Anda Electronic Industrial Zone, Heping Community, Fuyong Ave, Bao'an District, Shenzhen City, Guangdong, China**
Prepared by:	British Approvals Service for Cables, Presley House, Presley Way, Crownhill Milton Keynes, MK8 0ES, United Kingdom
Notified Body No.	2661
Cable Name:	**GJFH Round mini optical fibre cable LSZH Double Jacket**
Classification Report No.	**LCPR1570 Classification**
Issue Number:	**1**
Date of Issue:	**5 September 2017**

This classification report consists of 6 pages and may only be used or reproduced in its entirety.

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Details of classified product

General

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

Product description

The optical fibre cable is described in 'Sample details' below.

Traceability

The test samples were submitted by the manufacturer and received on 15 August 2017

Sample details

Parameter	Details
Test sponsor	Shenzhen IDX Communication Technology Co., Ltd.
Manufacturer of sample	Shenzhen IDX Communication Technology Co., Ltd.
Place of manufacture	2F Building 2, Anda Electronic Industrial Zone, Heping Community, Fuyong Ave, Bao'an District, Shenzhen City, Guangdong, China
Trade name	GJFH 3.5mm 8F Double Jacket Round Mini Cable
Sample description	8 coated fibre optical fibre. 8 off 245µm silica glass & resin coated fibre, LSZH inner jacket, Aramid yarn, LSZH jacket. OD = 3.5mm

BASEC Report No: LCPR1570 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	Shenzhen IDX Communication Technology Co., Ltd.	LCPR1570	BS EN 50399:2011+A1:2016 BS EN 60332-1-2:2004+A11:2016

Results

Test method & test number	Parameter	No. tests runs	Results	
			Continuous parameter	Compliance with parameters
BS EN 50399:2011 +A1:2016	FS THR_{1200s} Peak HRR FIGRA	1	1.59m 17.3MJ 30.4kW 89.0W/s	≤ 2.0m = Cca Compliant ≤ 30MJ = Cca Compliant ≤ 60kW = Cca Compliant ≤ 150W/s = B2ca Compliant
	TSP_{1200s} Peak SPR	1	28.0m^2 0.06m^2/s	< 50m^2 = s1 Compliant ≤ 0.25m^2/s = s1 Compliant
	Flaming droplets/particles	1	None	No flaming drops = d0 Compliant
BS EN 60332-1-2:2004 +A11:2016	H	1	55mm	≤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 optical fibre cables in relation to reaction to fire behaviour are classified within the following range:

C_{ca}

The additional classification in relation to smoke production is:

s1

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

d0

The additional classification in relation to acidity was not tested

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

Fire Behaviour		Smoke Production			Flaming Droplets			Acidity	
C_{ca}	-	**s**	**1**	,	**d**	**0**	,	**-**	**-**

Reaction to fire classification: C_{ca}-s1,d0

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 optical fibre cables described in 'Sample details' and listed below.

Brand Name	Cable Identification	Number of fibres	Reaction to Fire Classification
Shenzhen IDX Communication Technology Co., Ltd.	GJFH Double Jacket Round Mini Cable	8	C_{ca}-s1,d0

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 plants 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.

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. In this context, the Declaration shall be limited to Class Dca.

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