

Classification Report



BASEC Client **Anand International**

Report No. T1CPRT3454 Classification

Number of pages in this Report: 6

Issue Date **4 May 2022**

Items Tested 2 samples of Electric Cable

Specification(s) BS EN 13501-6:2014

Authorised by: I McGuinness

Laboratory Manager

Issue Date: 4 May 2022

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Approved Body No. 2661

BASEC Report No: T1CPRT3454 Classification

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: Anand International
Prepared for: Anand International A-35, Ichchhapore GIDC, Hazira Road, Surat - 394510, Gujarat, India
Place of Manufacture: Anand International A-35, Ichchhapore GIDC, Hazira Road, Surat - 394510, Gujarat, India
Prepared by: British Approvals Service for Cables, Presley House, Presley Way, Crownhill Milton Keynes, MK8 0ES, United Kingdom
Approved Body No. 2661
Cable Family Name: EN 50618, Single-Core x 4sqmm to 10sqmm, Electron Beam Crosslinked PV1-F Solar DC Cables
Classification Report No. T1CPRT3454 Classification
Issue Number: 1
Date of Issue: 4 May 2022

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BASEC Report No: T1CPRT3454 Classification

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 EN 50618, Single-Core x 4sqmm to 10sqmm, Electron Beam Crosslinked PV1-F Solar DC Cables is described in the 'Sample details' below.

Traceability

The test sample was submitted by the manufacturer and received on 26th April 2022.

Sample details

Parameter	Details
Test sponsor	Anand International
Manufacturer of sample	Anand International A-35, Ichchhapore GIDC, Hazira Road, Surat - 394510, Gujarat, India
Trade name	EN 50618, Single-Core x 4sqmm to 10sqmm, Electron Beam Crosslinked PV1-F Solar DC Cables
Sample description	Class 5, Flexible Annealed Tinned Copper Conductor, EBXL-XLPO 120°C Insulation, EBXL-XLPO 120°C Sheath.
Test sponsor's product data	
Generic type of product	Electric Cable
Measured sample data	
Overall diameter (mm)	1 x 4.0 mm ² OD = 5.5 mm 1 x 10.0 mm ² OD = 6.9 mm

BASEC Report No: T1CPRT3454 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	Anand International	T1CPRT3454	BS EN 60332-1-2:2004+A11:2016

Results

Test method	Parameter	No. tests runs	Results	
			Continuous parameter	Compliance parameters
BS EN 60332-1-2:2004 +A11:2016	H	1	1 x 4.0 mm ² = 56 mm 1 x 10.0 mm ² = 38 mm	≤ 425mm = Eca compliant

BASEC Report No: T1CPRT3454 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 EN 50618, Single-Core x 4sqmm to 10sqmm, Electron Beam Crosslinked PV1-F Solar DC Cables in relation to reaction to fire behaviour is classified:

E_{ca}

The additional classification in relation to smoke production is:

-

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

-

The additional classification in relation to acidity is:

-

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 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.

BASEC Report No: T1CPRT3454 Classification

Field of application

This classification is valid for the Electric Cable described in 'Sample details' and listed below as determined in the extended application process according to PD-CLC/TS 50576:2016.

Brand Name	Cable Identification	Core	Size Approved	Reaction to Fire Classification
Anand International	EN 50618, Single-Core x 4sqmm to 10sqmm, Electron Beam Crosslinked PV1-F Solar DC Cables	1	4sqmm to 10sqmm	E _{ca}

This classification is valid for cables for general applications 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, 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.

-- END OF REPORT --