

Classification Report



BASEC Client **Energya Power Cables**

Report No. P1CPRT2198-2 Classification

Number of pages in this Report: 6

Issue Date **30 November 2020**

Items Tested 2 samples of Electric Cable

Specification(s) BS EN 13501-6:2014

Authorised by: I McGuinness

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Issue Date: 30 November 2020

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Notified Body No. 2661

Introduction

This classification report defines the classification assigned to the product, Power 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:	Energya Power Cables
Places of Manufacture:	Energya Power Cables, 10th of Ramadan City, Industrial Zone, Area A1, Cairo, Egypt
Prepared by:	British Approvals Service for Cables, Presley House, Presley Way, Crownhill Milton Keynes, MK8 0ES, United Kingdom
Notified Body No.	2661
Cable Family Name:	BS 6622 – 6.35/11 (12) KV SWA
Classification Report No.	P1CPRT2198-2 Classification
Issue Number:	1
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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

Electric Cable family 'BS 6622 – 6.35/11 (12) KV SWA ' is described in the 'Sample details' below.

Traceability

The test samples were submitted by the manufacturer and received on 11 November 2020.

Sample details

Parameter	Details
Test sponsor	Energys Power Cables
Manufacturer of sample	Energys Power Cables
Places of manufacture	10th of Ramadan City, Industrial Zone, Area A1, Cairo, Egypt
Trade name	BS 6622 – 6.35/11 (12) KV SWA
Samples description	BS 6622 – 6.35/11 (12) KV SWA, three core Circular Class 2 copper Conductors, XLPE insulation, Steel Wire Armour, PVC sheath
Test sponsor's product data	
Generic type of product	Electric Cable
Cable sizes	3x95mm ² 3x300mm ²
Measured sample data	
Overall diameter (mm)	3x95mm ² = 59.5 3x300mm ² = 79.8

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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	Energys Power Cables	P1CPRT2198	BS EN 60332-1-2:2004+A11:2016

Results

Test method & test number	Parameter	No. tests run	Results	
			Continuous parameter	Compliance with parameters
BS EN 60332-1-2:2004 +A11:2016	H	1	3x95mm ² = 124 3x300mm ² = 126	≤425mm = Eca 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

Electric cable, BS 6622 – 6.35/11 (12) KV SWA in relation to reaction to fire behaviour are classified within the following range:

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

Brand Name	Number of cores	Conductor size	Reaction to Fire Classification
Energys Power Cables	3	95mm ² – 300mm ²	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.

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